



# N-07B

INSTRUCTION MANUAL '10.5

docomo SMART series

# DOCOMO W-CDMA and GSM/GPRS Systems

**Thank you for choosing "docomo SMART series N-07B".**

Before use, be sure to thoroughly read this manual to ensure that you use N-07B correctly.

## How to use N-07B

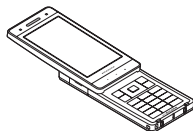
The operations of N-07B are also described in "Instruction Manual (Detailed version)" (Japanese) (PDF file) other than this manual.

- **"INSTRUCTION MANUAL" (this manual):** Provides information about screens and basic operations.
- **"使いかたガイド" (Guide) (available in this FOMA terminal):** Provides information about the outline of frequently-used functions and of operations. On the N-07B standby screen,  ► "Tool" ► "Guide"  
\* This function is available in Japanese mode only.
- **"Instruction Manual (Detailed version)" (Japanese):** Provides detailed information about all functions and operations.  
From PC: Download from NTT DOCOMO'S website  
<http://www.nttdocomo.co.jp/support/trouble/manual/download/index.html>

\* The URL and content may change without prior notice.

## Basic package

### ■ Basic package



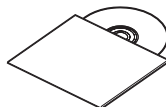
N-07B (including written warranty and Back Cover N47)



N-07B  
INSTRUCTION MANUAL



Battery Pack N24



CD-ROM for N-07B

■ Options and accessories compatible with this FOMA terminal → p.87

## Before using this manual

- Note that "N-07B" is referred to as "FOMA terminal" in this manual.
- This manual uses the default settings and screen shots for "amadana white" (icon pattern "standard" for battery level icons and signal strength icons) to describe operations. To read a screen easily, "Stand-by display" is set to "OFF", and the font color is black while the background color is white.
- The screens shown as examples in this manual are displayed when "English" is set for "Select language". Set "English" for "Select language" in advance. (→ p.19)
- The images or illustration used in this manual are examples. They may differ from the actual displays.
- Unauthorized copying of all or part of this manual is prohibited.

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# FOMA Terminal

- FOMA terminals use wireless communications and cannot be used in tunnels, underground areas, buildings, and other areas without reception; in outdoor locations with weak reception; or outside the service area. Reception may also be weak in even some unobstructed upper floors of high-rise buildings and apartments. Please be aware that calls or communications may be disconnected even under optimal conditions when reception is strong and all three antenna icons are displayed, and when in a stationary position.
- Please be careful not to disturb people around you when using your FOMA terminal in public places, crowded areas, or quiet locations.
- A third party may be able to use special equipment to listen in on your calls, as FOMA terminals use radio waves. However, W-CDMA and GSM/GPRS systems automatically support privacy protection with a scrambling function for all calls to make conversations incomprehensible to third parties.
- FOMA terminals convert voice into digital signals for wireless communications, and therefore if you are in an area where radio reception is weak, these digital signals may not be properly restored and this may result in distortion of the actual caller's voice.
- The user hereby agrees that the user shall be solely responsible for the result of the use of SSL/TLS. Neither DOCOMO nor the certifier as listed herein makes any representation or warranty as for security in the use of SSL/TLS. In the event that the user shall sustain damage or loss due to the use of SSL/TLS, neither DOCOMO nor the certifier shall be responsible for any damage or loss. Certifier: VeriSign Japan K.K., Cybertrust Japan Co., Ltd., GlobalSign K.K., RSA Security Japan Ltd., SECOM Trust Systems Co., Ltd., Comodo CA Ltd., and Entrust, Inc.
- This FOMA terminal is available for use in the FOMA Plus-Area and FOMA HIGH-SPEED area.
- The FOMA communication for the FOMA terminal can be used only via the FOMA network provided by DOCOMO and DOCOMO's roaming area.
- Please keep a separate record of the information (Phonebook, Schedule, Note, Record message, Voice memo or Videophone message) you have registered in your FOMA terminal. Please be aware that DOCOMO bears no obligation or responsibility in the event that data is altered or lost.
- It is recommended that you back up important data to a microSD card. If you own a PC, you can also transfer and save data, such as Phonebook, Mail or Schedule, to your PC using DOCOMO keitai datalink.

# What You Can Do with N-07B

## 使いかたガイド (Guide)

p.19

This is a handy guide that you can check the necessary functions on your FOMA terminal. You can operate the FOMA terminal without the manual. This function is available in Japanese mode only.



▶ "Tool"

▶ "Guide"

## Touch sensor/Motion Access

p.25

Touch sensor or Motion Access enables you to operate the menus of camera, 1Seg and music while keeping the FOMA terminal closed.

Furthermore, just open the FOMA terminal and you can answer a call or confirm a missed caller as well as a new mail content.



## Lock function

p.36

Various lock functions are available for using FOMA terminal safely.



## International roaming

p.48

While staying overseas, you can use the same FOMA terminal, phone number and mail address as those used in Japan (GSM/3G areas are supported).



## Camera

p.60

You can shoot large image in 5 M size (2,560 x 1,920 dots) whose effective pixels are approximately 5.1 million CMOS one after another in Quick Shot. Modes such as Art photo mode for taking photos simply and finely are installed.



## i-concier

p.73

It is a convenient service that a character on the standby screen (Machi-chara) provides useful information and you can download schedules (i-schedule) from sites. This service is only available in Japanese.



"ひつじのしつじくん"  
(Butler sheep)  
©NTT DOCOMO

# Part Names and Functions

## Charge lamp/Illumination/ Recording indicator

### Multi-function keys

- : Up/Down key
  - Adjust the earpiece volume during a call.
  - Move the cursor or contents etc. upward or downward.
  - Display the i-Widget/Search phonebook menu screen.
- : Left/Right key
  - Move the cursor to the left or right.
  - Display the Received call history/Redial.
- : OK key
  - Perform the function displayed on this key.

**MENU key**  
Display the main menu.

**key**  
Display the mail menu.

**Start key**  
Make calls.

**Dial keys**  
Enter phone numbers or characters.

**/Public mode (Drive mode) key**  
Set Public mode (Drive mode).

**Illuminance sensor**  
Detect brightness. Do not cover with hand or put sticker on it.

**Earpiece/Speaker**  
Hear other party's voice from here.

**Display**

**Touch sensor**

**key**  
Start the Camera.

**key**  
Display the iMenu screen.

**CLR Back (Clear)/i-Channel key**

- Return to the previous step or delete the entered characters.
- Display i-Channel.

**Power/End/Hold key**

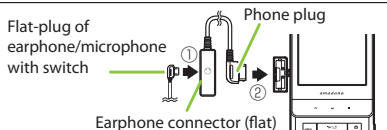
**/Manner key**

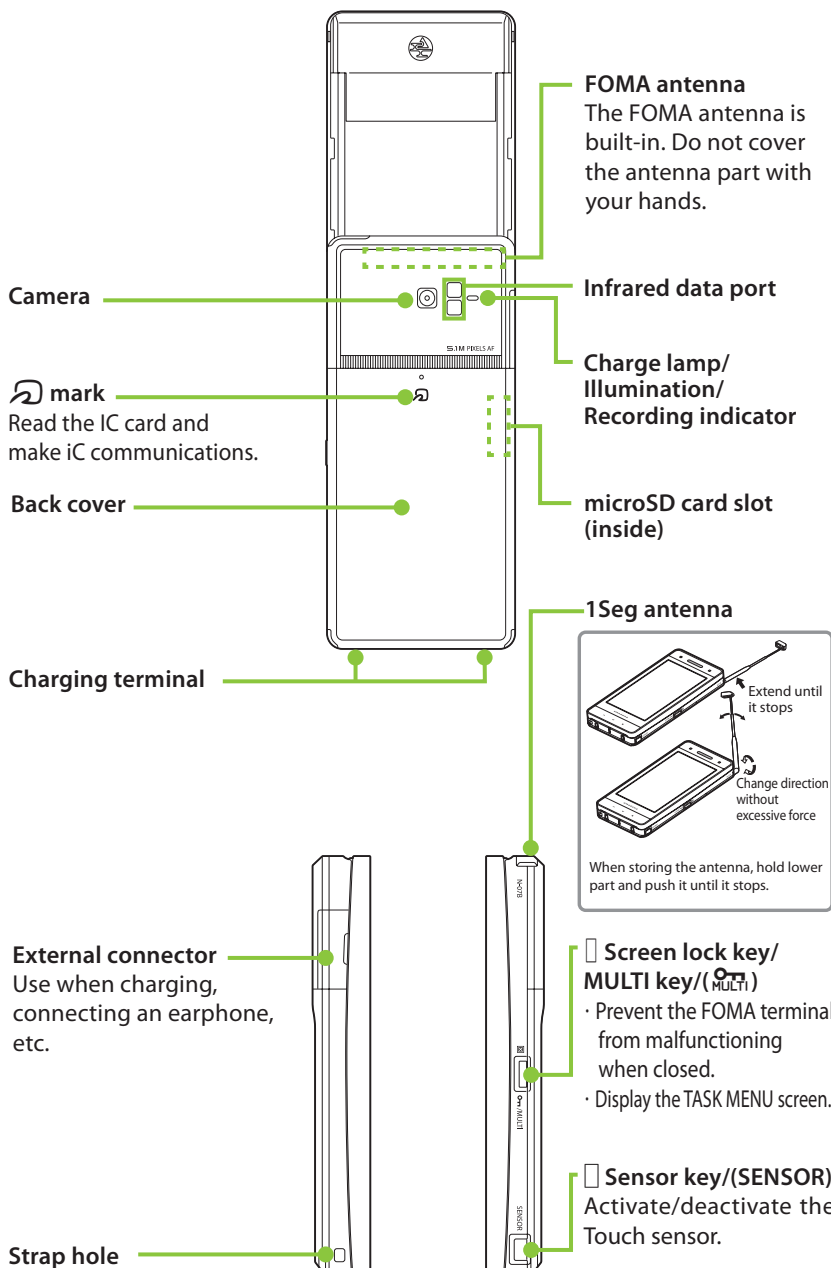
**Mouthpiece/Microphone**

## <Using Earphone>

Connect an external-connector-compatible earphone (optional). To use an incompatible earphone, connect an adapter converter (optional).

### Flat-plug earphone/microphone with switch (optional) connection example





# Precautions (Always follow these directions)

- To ensure that you use your FOMA terminal correctly, read "Precautions" carefully before use. Keep this manual after reading for future reference.
- The precautions must be observed at all times since they contain information intended to prevent the bodily injury or damage to property.
- The following symbols indicate the different degrees of injury and damage that may occur if the information provided is not observed and the FOMA terminal is used incorrectly:

|                                                                                                     |                                                                                                      |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <br><b>DANGER</b>  | Indicates that death or serious bodily injury may result directly and immediately from improper use. |
| <br><b>WARNING</b> | Indicates that death or serious bodily injury may result from improper use.                          |
| <br><b>CAUTION</b> | Indicates that bodily injury and/or damage to the property may result from improper use.             |

- The following symbols indicate specific directions:

|                                                                                                       |                                                                                                 |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <br>Don't           | Indicates that it is prohibited.                                                                |
| <br>No disassembly | Indicates that it must not be disassembled.                                                     |
| <br>No wet hands   | Indicates that you must not touch it with wet hands.                                            |
| <br>No liquids     | Indicates that it must not be used near water, which means that you must not let it become wet. |

|                                                                                             |                                                                               |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <br>Do     | Indicates that it is an instruction-based compulsory conduct (must be acted). |
| <br>Unplug | Indicates that you must unplug the power cord from the outlet.                |

- Safety precautions are explained in the following categories:

1. Precautions for the FOMA terminal, Battery Pack, Adapter and UIM (FOMA card) (Common) ... p.6
2. Precautions for the FOMA terminal ... p.7
3. Precautions for the Battery Pack ... p.9
4. Precautions for the Adapter ... p.10
5. Precautions for the UIM (FOMA card) ... p.11
6. Precautions for Use Near Electronic Medical Devices ... p.11

## 1. Precautions for the FOMA terminal, Battery Pack, Adapter and UIM (FOMA card) (Common)

-  **DANGER**
-  Don't Do not use, keep or leave the devices in locations subject to high temperatures, such as near fire, indirect sunlight or inside a car on a hot day. Doing so may cause fire, burns, or injury.
-  Don't Do not put the devices in a microwave oven or pressurized container. Doing so may cause fire, burns, injury or electric shock.
-  No disassembly Do not disassemble or modify the equipment. Doing so may cause fire, burns, injury or electric shock.
-  No liquids Do not allow the devices to become wet with liquids, such as water, drinking water or pet urine. Doing so may cause fire, burns, injury or electric shock.



**Use the battery pack and adapter specified by NTT DOCOMO for the FOMA terminal.**

Failure to observe this precaution may cause fire, burns, injury or electric shock.



### **WARNING**



**Do not throw the FOMA terminal or expose it to strong shocks.**

Doing so may cause fire, burns, injury or electric shock.



**Do not place electrically conductive objects (wires, pencil leads, etc.) in contact with the charging terminals or external jacks. Do not insert those materials inside the terminal.**

Doing so may cause fire, burns, injury or electric shock.



**Do not cover or wrap the devices with bedding, etc. while in use or charging.**

Doing so may cause fire or burns.



**Make sure to turn off the FOMA terminal and stop charging before you get close to the places like a gas station where a flammable gas is generated.**

Doing so may cause the gas to ignite.

Turn off the power, when you use Osaifu-keitai at a gas station (if the IC card lock is set, turn the power off after the lock is released).



**If something unusual happens, such as unusual odor, overheating, discoloration or deformation during use, charge or storage, be sure to:**

- Unplug the power cord from the power outlet or the cigar lighter socket.
- Turn off the power.
- Remove the battery pack from the FOMA terminal.

Failure to observe these precautions may cause fire, burns, injury or electric shock.



### **CAUTION**



**Do not leave the devices on a slope or unstable surface.**

The devices may fall and cause injury.



**Do not leave the devices in humid, dusty or hot places.**

Doing so may cause fire, burns or electric shock.



**If your child uses the FOMA terminal, instruct him/her on how to use it. Check if he/she always uses the FOMA terminal correctly as you instruct.**

Improper usage could result in bodily injury.



**Keep the FOMA terminal out of young children's reach.**

A young child may try to swallow it or suffer injury.



**Pay special attention when you use the FOMA terminal connected to the adapter for a long period.**

If you use i-appli or videophone or watch 1Seg programs for a long time while charging, the temperature of the FOMA terminal, battery pack or adapter may rise.

If you touch the warm part of these devices for a long period of time, it may cause redness, itch, skin irritation or low temperature burns depending on your constitution or physical condition.

## **2. Precautions for the FOMA terminal**



### **WARNING**



**Do not direct the infrared data port towards your or another person's eyes.**

Doing so may cause eye injury.



**Do not direct the infrared data port towards consumer equipment with infrared devices during infrared communication.**

Doing so may cause malfunction of the infrared devices and result in an accident.



Don't

**Do not put fluids such as water or substances such as pieces of metal or flammable materials into the UIM (FOMA card) slot or microSD card slot inside of the FOMA terminal.**

Doing so may cause fire, burns, injury or electric shock.



Do

**Please turn off your FOMA terminal when inside an airplane, hospital, or other area where use is prohibited.**

The terminal may adversely affect electronic or medical equipment. If the Auto power function is set, make sure to disable the function before turning off the power.

Follow the instructions provided by the medical facility for the use of mobile phones.

Use of the phone in an airplane is prohibited, and be punished by law.



Do

**Make sure to hold the FOMA terminal at a safe distance from your ear when you use the handsfree mode or the ring tone sounds. Also, when you play games or music with an earphone/microphone connected to the FOMA terminal, adjust the volume properly.**

Too large a volume may lead to defective hearing. Also, hearing difficulties may cause an accident.



Do

**If you have a weak heart, take precautions when setting the Vibrator or Ring volume.**

Failure to observe this precaution may affect your heart.



Do

**If you are wearing electronic medical devices, ask the manufacturer or sales agent whether the devices can be affected by radio waves before using your FOMA terminal.**

The terminal may adversely affect electronic medical devices.



Do

**Please turn off the power near electronic equipment that contains high-precision mechanisms or handles delicate signals.**

The terminal may interfere with the operation of sensitive electronic equipment.

\* Electronic equipment to watch out for:

Hearing aids, implanted cardiac pacemakers, ICDs and other electronic medical devices; fire alarms, automatic doors, and other automatically controlled apparatus.

Users of implanted cardiac pacemakers, ICDs, and other electronic medical devices are advised to ask the manufacturer or sales agent whether or not these devices can be affected by radio waves.



Do

**If the display or camera lens is broken, be careful with the broken glass and any exposed FOMA terminal parts.**

A protective film is used for the display, and a plastic panel is used for the camera lens surfaces to avoid glass scattering. However, touching broken or exposed parts may cause injury.

**CAUTION**

Don't

**The display has a protective film on its surface. It helps you ensure safety even when the display gets damaged due to a fall or shock (shatter-proofness of hardened glass). Do not scrape or scratch the protective film.**

If you use the FOMA terminal with the protective film removed, the display may be damaged and you may get hurt.



Don't

**Do not swing the FOMA terminal by its antenna, strap or other parts.**

The terminal may strike you or others around you, resulting bodily injury.



Don't

**Do not use the damaged FOMA terminal.**

Doing so may cause fire, burns, injury or electric shock.



Don't

**When using motion control, make sure you are in a safe place, hold the FOMA terminal securely, and do not shake it more than necessary.**

Failure to observe this precaution may cause injury.



Don't

**If the display is broken and the liquid crystal leaks, do not touch it with your face, hands, etc.**

Failure to observe this precaution may cause loss of eyesight or damage to your skin. If the liquid crystal comes into your eyes or mouth, immediately rinse with clean water and see a doctor. If the liquid crystal adheres to your skin or clothing, immediately wipe it off with alcohol and wash with soap and water.



Do

**Before using your FOMA terminal in a vehicle, ask the manufacturer or sales agent whether the operation of the vehicle can be affected by radio waves.**

In some types of vehicle, using the FOMA terminal may interfere with the operation of the vehicle's electronic equipment. In this case, stop using the FOMA terminal immediately.



Do

**There may be cases where the customer's physical condition or predisposition leads to itchiness, rashes, or sores. If this occurs, immediately stop using the FOMA terminal and see a doctor.**

→ "Material list" (p.12)



Do

**Take care not to pinch your fingers or the strap when opening/closing the display of the FOMA terminal.**

Such pinching may cause injury.



Do

**When viewing the display, keep a proper distance between your eyes and it in a bright place.**

Failure to observe this precaution may impair your vision.

### 3. Precautions for the Battery Pack

- Refer to the information shown on the battery pack label to check the type of battery pack.

| Display  | Battery type |
|----------|--------------|
| Li-ion00 | Lithium-ion  |

**DANGER**

Don't

**Do not place metal items such as wires in contact with the charging terminals. Also, do not carry or store the battery with metal items such as necklaces.**

Doing so may cause the battery pack to ignite, explode, overheat or leak.



Don't

**Check the orientation of the battery pack before attaching it. If you have difficulty attaching it to the FOMA terminal, do not put excessive pressure on the battery.**

Failure to observe this precaution may cause the battery pack to ignite, explode, overheat or leak.



Don't

**Do not throw the battery pack into fire.**

Doing so may cause the battery pack to ignite, explode, overheat or leak.



Don't

**Do not puncture the battery pack, hit it with a hammer or step on it.**

Doing so may cause the battery pack to ignite, explode, overheat or leak.



Do

**If battery fluid comes into contact with your eyes, do not rub your eyes but immediately rinse your eyes with clean water and see a doctor.**

Failure to observe this precaution may result in loss of eyesight.

**WARNING**

Don't

**Never use the battery pack if it has fallen to have something abnormal such as deformation and damage.**

Failure to observe this precaution may cause the battery pack to ignite, explode, overheat or leak.



**If the battery pack leaks or emits an unusual odor, stop using it immediately and move it away from any flame or fire.**

The battery fluid is flammable and could ignite, causing a fire or explosion.



**Keep your pets away from the battery pack as they may accidentally bite it.**

Failure to observe this precaution may cause the battery pack to ignite, explode, overheat or leak.



### CAUTION



**Do not dispose of used battery packs with ordinary garbage.**

Doing so may cause fire and create an environmental hazard. Put insulation tape on the terminals of used battery pack and return it to a docomo Shop or Service Counter, or dispose of the battery pack in accordance with your local regulations.



**Do not use or charge the wet battery pack.**

Doing so may cause the battery pack to ignite, explode, overheat or leak.



**If the battery pack leaks, do not touch battery fluid with your face, hands, etc.**

Failure to observe this precaution may cause loss of eyesight or damage to your skin. If the battery fluid comes into your eyes or mouth or it adheres to your skin or clothing, immediately rinse with clean water. In the case that it comes into contact with your eyes or mouth, see a doctor immediately after rinsing.



**The DC adapter must be used only in vehicles with a negative ground. Do not use the adapter in vehicles with a positive ground.**

Doing so may cause fire, burns or electric shock.



**Do not touch the adapter when you see lightning or hear thunder.**

Doing so may cause electric shock.



**Do not short-circuit the charging terminals when the adapter is plugged into the power outlet or cigarette lighter socket. Also, do not let the charging terminals contact with your body (hand, finger, etc.).**

Doing so may cause fire, burns or electric shock.



**Do not put heavy objects on the power cord of the adapter.**

Doing so may cause fire, burns or electric shock.



**When plugging/unplugging the AC adapter into/from the power outlet, make sure that no metallic straps or other metallic objects are caught between the plug and the socket.**

Metallic objects may cause fire, burns or electric shock.



**Do not touch the power cord of the adapter or the power outlet with wet hands.**

Doing so may cause fire, burns or electric shock.



**Use the specified voltage and current. Use the AC Adapter for Global use to charge the battery overseas.**

Using the adapters with incorrect voltage may cause fire, burns or electric shock.

AC Adapter : AC 100V

DC Adapter : DC 12V/24V

(specific to vehicle with negative ground)

AC Adapter for Global Use :

AC 100V to 240V (household AC outlet only)

## 4. Precautions for the Adapter



### WARNING



**Do not use the adapter if its power code is damaged.**

Doing so may cause fire, burns or electric shock.



**Do not use the AC adapter or desktop holder in humid locations such as a bathroom.**

Doing so may cause fire, burns or electric shock.



**If the fuse in the DC adapter blows, always replace it with the specified type of fuse.**

Failure to observe this precaution may cause fire, burns or electric shock. Refer to the respective manuals for the information on the specified fuse.

**Wipe off any dust on the plug.**

Failure to observe this precaution may cause fire, burns or electric shock.

**When plugging the AC adapter into the power outlet, make sure to insert it firmly.**

Failure to observe this precaution may cause fire, burns or electric shock.

**Always grasp the plug when unplugging the adapter from the power outlet or cigarette lighter socket. Do not pull the cord itself.**

Failure to observe this precaution may cause fire, burns or electric shock.

**Unplug the adapter from the power outlet or cigarette lighter socket when the adapter will be left unused for a long period.**

Failure to observe this precaution may cause fire, burns or electric shock.

**If water or other liquid gets into the adapter, immediately unplug it from the power outlet or cigarette lighter socket.**

Failure to observe this precaution may cause fire, burns or electric shock.

**Unplug the adapter from the power outlet or cigarette lighter socket before cleaning it.**

Failure to observe this precaution may cause fire, burns or electric shock.

## 5. Precautions for the UIM (FOMA card)

**CAUTION****Be careful with sharp edges when removing the UIM (FOMA card).**

Sharp edges may cause injury.

## 6. Precautions for Use Near Electronic Medical Devices

- According to the Guidelines on the Use of Radiocommunication

Equipment such as Cellular Telephones - Safeguards for Electronic Medical Equipment established by the Electromagnetic Compatibility Conference Japan.

**WARNING****Take care of the following inside hospitals.**

- Do not take your FOMA terminal into an operating room, intensive care unit (ICU), or coronary care unit (CCU).
- Turn off the power inside hospital wards.
- Turn off the power even in hospital lobbies, waiting rooms, and corridors if electronic medical devices may be in use near you.
- For use inside medical institutions, please follow the instructions given at individual locations.
- If the Auto power function is set, make sure to disable the function before turning off the power.

**Turn off the power in crowded places such as peak-hour trains if implanted electronic medical devices may be in use near you.**

Radio waves emitted by the FOMA terminal may adversely affect implanted pacemakers and ICDs when used in close proximity.

**A person with an implantable cardiac pacemaker or defibrillator should use or carry the FOMA terminal at a distance more than 22 cm from the site of implantation.**

Radio waves emitted by the FOMA terminal may adversely affect implanted pacemakers and ICDs when used in close proximity.

**Electronic medical devices other than implanted pacemakers and ICDs may also be used outside hospitals. Users of electronic medical devices are advised to ask the manufacturer whether these instruments can be affected by radio waves.**

Radio waves from the FOMA terminal can adversely affect electronic medical devices.

## Material list

| Parts                             |                                  | Material/Coating                                                                                                                               |
|-----------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| External chassis                  | Side of display unit             | Polycarbonate resin/Tin deposition, UV coating <sup>*1</sup>                                                                                   |
|                                   | Rear of display unit             | Polycarbonate resin/UV coating <sup>*2</sup>                                                                                                   |
|                                   | Rear of display unit (logo part) | Stainless alloy/Painting                                                                                                                       |
|                                   | Side of key unit                 | Polycarbonate resin/UV coating                                                                                                                 |
|                                   | Rear of key unit                 | Nylon resin/UV coating <sup>*3</sup>                                                                                                           |
|                                   | Back cover                       | Nylon resin/Tin deposition, UV coating <sup>*4</sup>                                                                                           |
|                                   | Sliding spring                   | Nylon resin/UV coating                                                                                                                         |
| Display panel                     |                                  | ABS resin/UV coating                                                                                                                           |
| Earpiece/Speaker panel            |                                  | Stainless alloy/Nickel plating                                                                                                                 |
| Touch sensor panel                |                                  | Hardened glass/Shatter-proof film                                                                                                              |
| Camera panel                      |                                  | Acrylic resin/Hard coating                                                                                                                     |
| Decorated part under camera panel |                                  | Polycarbonate resin/Tin deposition, UV coating                                                                                                 |
| Key                               | OK key                           | Polycarbonate resin/Aluminum deposition, UV coating                                                                                            |
|                                   | Sidekey (MULTI)                  | Polycarbonate resin/UV coating <sup>*3</sup>                                                                                                   |
|                                   |                                  | Polycarbonate resin/Aluminum deposition, UV coating <sup>*4</sup>                                                                              |
|                                   | Sidekey (SENSOR)                 | Polycarbonate resin/UV coating <sup>*3</sup><br>Polycarbonate resin/Tin deposition, UV coating <sup>*4</sup>                                   |
| Other keys                        |                                  | Polycarbonate resin/UV coating                                                                                                                 |
| Key enclosing sheet               |                                  | Polycarbonate resin/Hard coating                                                                                                               |
| External connector cap            |                                  | PET resin/UV coating                                                                                                                           |
| Charging terminal                 |                                  | Polycarbonate resin, Elastomer resin/UV coating <sup>*3</sup><br>Polycarbonate resin, Elastomer resin/Tin deposition, UV coating <sup>*4</sup> |
| 1Seg antenna                      | Top                              | Phosphor bronze/Gold plating                                                                                                                   |
|                                   | Middle                           | Titanium-nickel alloy                                                                                                                          |
|                                   | Bottom                           | Stainless alloy                                                                                                                                |
|                                   | Base hinge                       |                                                                                                                                                |
|                                   | Tip cap                          | ABS resin                                                                                                                                      |
| Battery pack storage              | Storage                          | Metal parts: Stainless alloy/Nickel plating<br>Resin: Nylon resin                                                                              |
|                                   | Inner frame                      | Polycarbonate resin                                                                                                                            |
|                                   | UIM (FOMA card) tray             | Polyacetal resin                                                                                                                               |
|                                   | Screw                            | Iron/Zinc plating (chromating)                                                                                                                 |
| Battery terminal                  | Battery terminal connector       | Nylon resin                                                                                                                                    |
|                                   | Terminal                         | Titanium copper/Gold plating                                                                                                                   |
| Battery pack                      | Battery pack                     | Resin: Polycarbonate resin<br>Label: PET resin                                                                                                 |
|                                   | Terminal                         | Glass epoxy resin/Gold plating                                                                                                                 |

\*1: Used for "amadana black", "amadana gold" and "amadana brown"

\*2: Used for "amadana white"

\*3: Used for "amadana black", "amadana white" and "amadana gold"

\*4: Used for "amadana brown"

## Handling precautions

### General Notes

- **Do not allow the devices to become wet.**

The FOMA terminal, battery pack, adapter and the UIM (FOMA card) are not waterproof. Do not use them in humid locations such as bathrooms, and avoid exposing them to rain. If you carry the FOMA terminal close to your skin, sweat may cause internal components to corrode and result in malfunction. The FOMA terminal cannot be repaired in the following cases: the water exposure detection sticker shows water exposure; tests determine that corrosion has occurred due to water exposure, condensation, or perspiration. These cases are not covered by the warranty, and any repairs that may be possible will be carried out at the subscriber's expense.

- **Wipe with a soft, dry cloth (such as a cloth designed for glasses).**

- Rubbing the LCD of the FOMA terminal with a dry cloth may scratch the LCD surface.
- The LCD surface may be stained if moisture or dirt is left on it for a long period.
- Never use chemicals such as alcohol, thinners, benzene or detergents as these agents may erase the printing on the FOMA terminal or cause discoloration.

- **Occasionally clean the connection terminals with a dry cotton bud, etc.**

Soiled connectors may result in poor connections, loss of power, or incomplete charging. Wipe with dry cloth or cotton swab. When cleaning, take care not to damage connectors.

- **Do not place the FOMA terminal near an air conditioning vent.**

Condensation may form due to rapid changes in temperature, and this may cause internal corrosion and malfunction.

- **Do not put excessive pressure on the FOMA terminal or battery.**

Do not put the FOMA terminal in a bag filled with many objects or sit down with it in a hip pocket. Excessive pressure may result in malfunction or damage to the LCD, internal circuit or the battery pack. Also, if an external device is connected to the external connector (earphone/microphone terminal), excessive pressure may cause connector breakage or malfunction.

- **Read the separate manuals supplied with the FOMA terminal, adapter and desktop holder carefully.**

- **Do not scratch the display with metallic objects.**

Doing so may cause scratches, malfunction or damage.

### Handling the FOMA Terminal

- **Do not press the surface of the Touch sensor firmly or operate it with sharp edge objects, such as fingernails, ballpoint pens, pins, etc.** Doing so may cause damage to the Touch sensor.
- **Avoid using the FOMA terminal in extremely high or low temperatures.** The ambient temperature of the room should be 5°C to 35°C with humidity of 45% to 85%.
- **Reception may be affected if you use your FOMA terminal near a landline phone, television, or radio in use. Use the FOMA terminal away from such devices.**
- **Please keep a separate record of the information you have registered in your FOMA terminal.** Please be aware that DOCOMO bears no obligation or responsibility in the event that data is altered or lost.
- **Do not drop the FOMA terminal or expose it to strong shocks.** Doing so may cause malfunction or damage.
- **When connecting an external device to the external connector (earphone/microphone terminal), do not insert at an angle or pull the cord.** Doing so may cause malfunction or damage.
- **Do not close the FOMA terminal with the strap pinched between the closing parts.** Doing so may cause malfunction or damage.
- **It is normal for the FOMA terminal to become warm while being used or charged. This is not a malfunction. Keep using it.**
- **Do not leave the camera exposed to direct sunlight.** Doing so may discolor or burn the components of the camera.
- **Keep the external connector (earphone/microphone terminal) cap closed when not in use.** Doing so may cause malfunction due to dust or water getting in.
- **Do not use FOMA terminal with the back cover removed.** Doing so may cause the battery pack to fall out, or cause malfunction or damage.
- **Do not put any sharp or hard objects into the earpiece/speaker.** Doing so may cause the FOMA terminal to malfunction or be damaged.
- **Do not put fluid such as water or substances such as pieces of metal or**

flammable materials into the small clearance created at the back of the display when the FOMA terminal is opened.

Doing so may cause fire, electronic shock or malfunction.

- **Do not put an extremely-thick sticker, etc. on the display, keys or keypads.**

Doing so may cause malfunction.

- **Do not put a label or sticker on the back of the FOMA terminal display.**

The label or sticker may interfere when the FOMA terminal is opened/closed, and cause malfunction or damage.

- **Do not remove the microSD card or turn off the power while in use.**

Doing so may cause data loss or malfunction.

- **Do not let magnetic cards, etc. come close to or be sandwiched between FOMA terminal parts.**

The magnetic data in cash cards, credit cards, telephone cards, floppy disks, etc. may be erased.

- **Do not let strong magnetic objects come close to the FOMA terminal parts.**

Strong magnetic objects may cause misoperation.

## Handling the Battery Pack

- **The battery pack is consumable.**

Battery life varies depending on usage conditions, etc., but it is time to change battery packs when the usage time has become extremely short even though the battery pack has been fully recharged. In this case, please purchase a new battery pack.

- **The ambient temperature of the room should be 5°C to 35°C.**

- **The available operating time of the battery pack depends on the conditions of usage and battery pack.**

- Depending on the usage condition, the battery pack may inflate slightly when the battery life is almost over. This is not a malfunction.

- **Do not store the battery pack in the following cases:**

- The battery is fully charged (immediately after the charging is complete)
- The battery has run out (the phone cannot power on)

The performance and life of the battery pack may deteriorate.

It is recommended that you store the battery pack with two battery marks displayed.

## Handling the Adapter

- The ambient temperature of the room should be 5°C to 35°C.

- **Do not charge the battery pack:**

- In a humid, dusty or unstable place
- Near a landline phone, TV or radio

- **It is normal that the adapter become warm while charging. Keep using it.**

- **Do not use the DC adapter to charge the battery when the car engine is not running.** Doing so may drain the car battery.

- **If you use an electrical outlet with an unplugging-protection mechanism, follow the instructions of the manual for the outlet.**

- **Do not expose the adapter to strong shocks. Do not deform the charging terminal.**

Doing so may cause malfunction.

## Handling the UIM (FOMA card)

- **Do not apply excessive force to the UIM (FOMA card) when attaching/removing it.**

- Note that the warranty does not cover damage caused by inserting the UIM (FOMA card) into another type of IC card reader or writer.

- Always keep the IC part clean.

- Wipe with a soft, dry cloth (such as eyeglass cloth).

- **Please keep a separate record of the information you have registered in your UIM (FOMA card).**

Please be aware that DOCOMO bears no obligation or responsibility in the event that data is altered or lost.

- **To preserve the environment, bring discarded UIM (FOMA card) to a docomo Shop or Service Counter.**

- **Do not damage, scratch, unnecessarily touch, or short circuit the IC.**

Doing so may cause data loss or malfunction.

- **Do not drop the UIM (FOMA card) or expose it to strong shocks.**

Doing so may cause malfunction.

- **Do not bend the UIM (FOMA card) or place a heavy object on it.**

Doing so may cause malfunction.

- **Do not put a label or sticker on the UIM (FOMA card) when attaching it to the FOMA terminal.** Doing so may cause malfunction.

## Using the Bluetooth® Function

- To secure the Bluetooth communication security, the FOMA terminal supports the security function compliant with Bluetooth standards, but the security may not be sufficient depending on the setting. Concern about the communication using the Bluetooth function.
- Please be aware that DOCOMO is not responsible for data leak when making data communications using Bluetooth.
- You can use a headset, handsfree, audio, dial-up communications, object push and serial port on the FOMA terminal. The audio/video remote control may be available for audio. (Only on compatible Bluetooth devices)
- **Frequency band**

The following are frequency bands that the FOMA terminal's Bluetooth function uses:

|     |    |   |
|-----|----|---|
| 2.4 | FH | 1 |
| ⋮   | ⋮  | ⋮ |

- 2.4 : The radio equipment uses the 2400 MHz band.
- FH : Modulation scheme is the FH-SS system.
- 1 : The estimated interference distance is 10 m or less.
- ⋮ : The full band between 2400 MHz and 2483.5 MHz is used and the band of the mobile identification device cannot be avoided.

### ■ Bluetooth cautions

The operating frequency band of this equipment is used by industrial, scientific, consumer and medical equipment including microwave ovens, premises radio stations for identifying mobile units used in the manufacturing lines of plants (radio stations requiring a license), specified low power radio stations (radio stations requiring no license) and amateur radio stations (hereinafter referred to as "another station").

1. Before using this terminal, confirm that "another station" is not being operated nearby.
2. In the event of this terminal causing harmful radio wave interference with "another stations", promptly change the operating frequency or stop radio wave emission by turning off the power, etc.
3. If you have further questions, please contact General Inquiries on the last page of this manual.

## Handling the FeliCa Reader/Writer

- The FeliCa reader/writer function of the FOMA terminal handles delicate signals that require no radio station license.
- The 13.56 MHz frequency band is used. If there is another reader/writer around, keep enough distance between the FOMA terminal and the reader/writer. Also, make sure that there is no radio station using the same frequency band nearby.

## Cautions

- **Do not use the altered FOMA terminal. Using an altered device is a violation of the Radio Law.**

A "Technical Conformity Mark" (㊞) affixed on the manufacturer's specification sticker certifies that the FOMA terminal meets technical regulations for specified radio equipment based on the Radio Law. If you remove the screws and alter the inside of the FOMA terminal, the technical regulations conformity certification becomes invalid. Do not use the FOMA terminal with the certification invalid, as it is a violation of the Radio Law.

- **Be careful when using the FOMA terminal while driving.**

A penalty may be imposed for holding a mobile phone while driving. When you need to receive a call, tell the caller that you will call back later using handsfree functions, then pull off the road before using the phone.

- **Use the Bluetooth function only in Japan.** The Bluetooth function of the FOMA terminal complies with radio standards of Japan and is certified. You may be punished if you use it overseas.
- **Use the FeliCa reader/writer function only in Japan.**

The FeliCa reader/writer function of the FOMA terminal complies with radio standards of Japan. You may be punished if you use it overseas.

- **Use the IC card authentication function in Japan.**

The IC card authentication function of the FOMA terminal complies with radio standards of Japan and is certified. You may be punished if you use it overseas.

# Before Using

## Attaching UIM (FOMA card)/battery pack

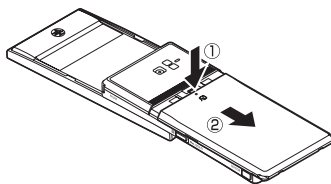
**Make sure to turn the power off before attaching/removing the UIM (FOMA card) or the battery pack. Also, keep the FOMA terminal held in your hand.**

- The UIM (FOMA card) is an IC card that contains private information such as your phone number.
- This FOMA terminal does not operate with a blue UIM in it. If your UIM is blue, check with a docomo Shop Service Counter for replacement.

### 1 Open the FOMA terminal and remove the back cover.

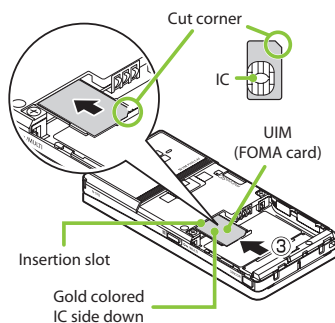
Press the back cover in direction

① and slide it in direction ②.



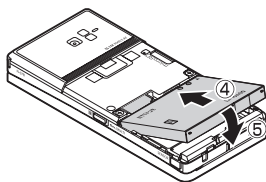
### 2 Insert the UIM (FOMA card).

Pull the tray out, place the UIM (FOMA card) on it with the gold colored IC side down, and then firmly insert the tray in direction ③.



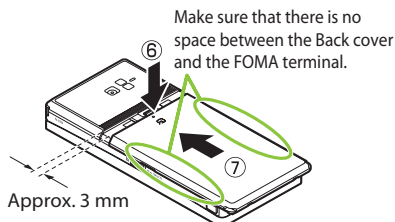
### 3 Attach the battery pack.

With the  side facing up, attach the battery pack in direction ④ making sure to fit the position of the "▲" mark of the FOMA terminal, then press the battery pack down in direction ⑤.



### 4 Attach the back cover.

Lift the back cover approx. 3 mm and align it to the groove of the FOMA terminal. Press the back cover in direction ⑥, slide it in direction ⑦ and press the back cover until it clicks.

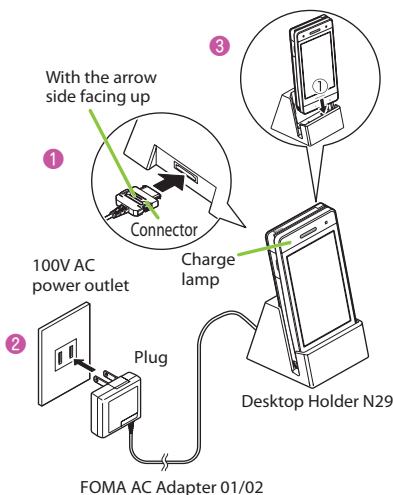


## Charging

For the charging time and continuous talk time, refer to "Main specifications" (→ p.93).

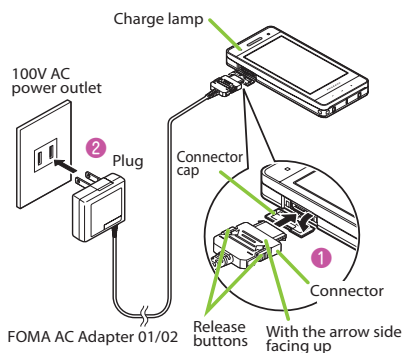
### Charging with the desktop holder

- 1 Plug the connector of the AC adapter (optional) horizontally to the terminal on the back of the desktop holder (optional).
- 2 Plug the AC adapter into the outlet.
- 3 As shown in the illustration, hold down the desktop holder and place the FOMA terminal in direction ①.
  - Take care not to pinch the strap, etc. when attaching it.
  - The charge lamp lights up when charging starts. The charge lamp turns off when charging ends (fully charged).
- 4 After charging is complete, hold down the desktop holder, then remove the FOMA terminal in reverse procedure of attaching.



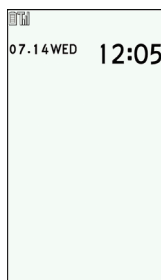
### Charging with the AC adapter

- 1 Open the external connector cap of the FOMA terminal, then plug the AC adapter connector horizontally into the FOMA terminal's external connector.
- 2 Plug the AC adapter into the outlet.
- 3 When charging is complete, press the release buttons, simultaneously remove the AC adapter connector horizontally from the FOMA terminal, then unplug the AC adapter from the outlet.

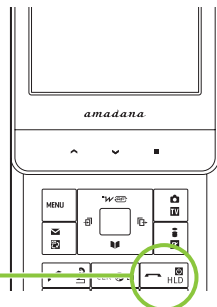


## Turning power ON

1  (1 second or longer)



Standby screen



### ■ If Initial setting screen appears

When you turn the power on for the first time after purchase, Initial setting screen appears.

### ■ To turn the power off

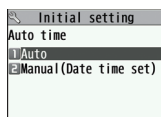
Press  for 2 seconds or longer.

## Configuring default setting

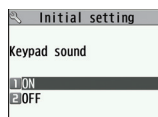
After turning the power on for the first time after purchase, screens for configuring settings such as "Auto time", "Change security code" or "Keypad sound" appear.

Check and set the time

"ON" or "OFF" ► Setting is completed.



Auto time screen



Keypad sound screen



- For the initial settings, you can also set the time difference adjustment and character size.
- After you set all functions, Initial setting screen will no longer appear at power on.

## Checking your own phone number

On Profile screen, check your phone number (own number) stored in your UIM (FOMA card).

- 1  ► "Profile"

■ To check your mail address

-  ► "Profile" ► 



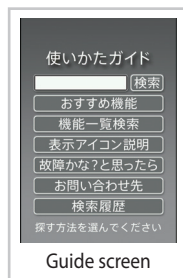
- Only phone number is stored by default in Profile screen.  
To save mail address, enter directly or obtain from i-mode automatically as follows.  
On Profile screen,  (Edit) ► Enter your security code ► <Mail address>  
► "Acquire Automatically" ► Connect to i-mode to enter your mail address  
to <Mail address> field automatically ►  (Finish).
- To change your mail address, refer to "Mobile Phone User's Guide [i-mode] FOMA version".

## Checking functions and operations with the "Guide"

Using the "Guide" enables you to confirm the operations. You can look for the functions without the manual.

This function is available in Japanese mode only.

- 1  ► "Tool" ► "Guide"
- 2 Enter the keyword or select searching method



Guide screen

## Switching between Japanese and English

- 1  ► "本体設定" ► "文字表示/入力" ► "Select language"  
► "English"

# Screen Explanation

## Viewing display/icon

Marks (📶, 🔋, 📶, etc.) displayed on the screen are referred to as icons. Icons indicate the status of such as the FOMA terminal and signal reception.

### Icons indicating the status of the FOMA terminal

At the top of the screen, icons indicate the status of the FOMA terminal.

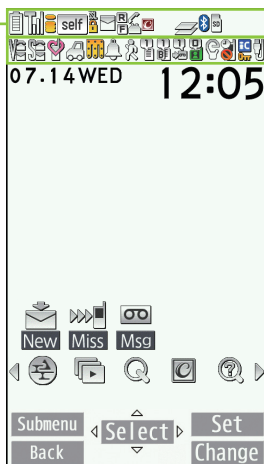
#### Battery level (use this icon as a guide)

- 🔋 : Fully charged.
- 🔋 : Recharge the battery.

#### Signal strength

- Good  $\longleftrightarrow$  Poor

- ✖ : Out of the FOMA service area
- 📶 : During i-mode
- ✉ : Unread mail
- 📞 : During a voice call
- 🔒 : Dial lock is set
- 📶 : New i-concier information
- 📶 : Multitask activating
- 📶 : Bluetooth ON (Lights up)
- 📶 : microSD card inserted



- 🔋 : Vibrator set
- 🔋 : Ring volume set to "Silent"
- 📶 : Manner mode ON
- 📶 : Public mode (Drive mode) set
- 🔔 : Alarm notification function ON
- 📶 : The number of voice call/videophone record messages
- 📶 : The number of record VP messages
- 📶 : eco mode 1 set
- 🔒 : Keypad lock set
- 📶 : USB cable connected and Communication mode on

Only major icons are covered here.  
To check the names of the other icons,  
MENU ▶ "Setting"  
▶ "Screen/Display"  
▶ "Icons".



## Reminders and Desktop Icons

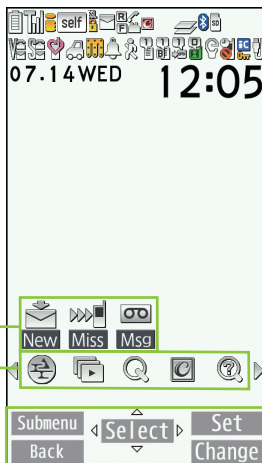
In the middle of the screen, icons indicate the status of new arrivals. You can paste desktop icons, with which you can launch functions.

### Reminders (examples)

-  : Missed call
-  : Record message
-  : Record VP message
-  : Voice Mail
-  : New mail

### Desktop icons (examples)

-  : Schedule
-  : Voice recorder
-  : 使いかたガイド  
(Guide) (Japanese)
-  : Activate 1Seg



Function display area  
→ p.23

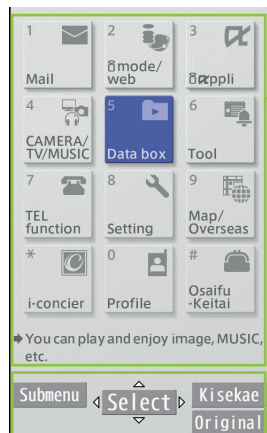


- To select a reminder or desktop icon to launch a function, on the standby screen  .

## Viewing main menu

You can select various functions of the FOMA terminal from the main menu.

- The main menu here is in "Standard".



- Mail** : Display the mail functions.
- i-mode/web** : Display i-mode and Full Browser.
- i-appli** : Display the i-appli menu.
- CAMERA/TV/MUSIC** : Display the menus of Camera, Music Player, Music&Video Channel and 1Seg.
- Data box** : Display folders in Data box.
- Tool** : Display useful functions.
- TEL function** : Display phone functions such as the phonebook, dialed/received calls, etc.
- Setting** : Display the setting menu of the FOMA terminal.
- Map/Overseas** : Display a map and menus of Overseas setting.
- i-concier** : Display the i-concier screen.
- Profile** : Display the UIM (FOMA card) own number, etc.
- Osaifu-Keitai** : Display the setting menus of IC card, ToruCa, etc.

 (Original) : Display the original menu.



- Some main menu items may show "LAST10". Selecting "LAST10" shows the last 10 menu items.

## Changing the design of the main menu

You can change the design of the main menu (background, icon, etc.). Choose from "layer" - "Standard", "Simple Menu", "Original theme" or "Kisekae Tool".

1



(Kisekae)

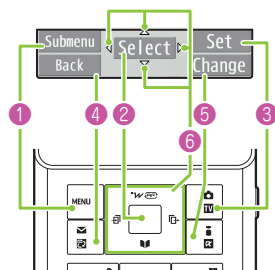


Select a design

## Key operation

The soft keys (Function display) corresponding to , , , , , and the direction icons corresponding to are displayed on the screen. These icons appear only when the corresponding keys can be used.

### Performing the functions assigned to the function key



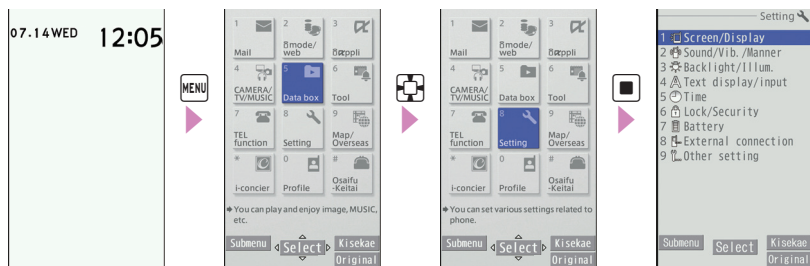
### Display samples and functions assignments

- 1 shows (Submenu), (Exit), (MENU), etc.
- 2 shows (Select), (Set), (Play), (Send), etc.
- 3 shows (Set), (Edit), (Finish), (Play), (Send), (New), etc.
- 4 shows (Back), (microSD), etc.
- 5 shows (Change), (Delete), etc.
- 6 shows an icon () to indicate direction available for moving or scrolling vertically and horizontally. Press to move or scroll the direction.

## Selecting menu

You can select various functions of the FOMA terminal from the main menu, which appears when you press on the standby screen.

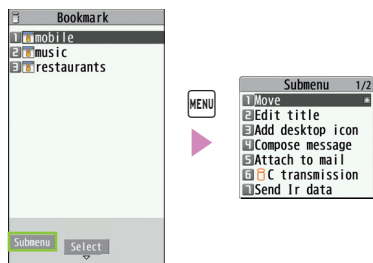
- 1 to move the highlight, then (Select) Select the displayed menu sequentially



- No operation for 15 seconds or longer ends the main menu and returns to the previous screen.

## When Submenu is displayed

Pressing **MENU** displays functions, which can be performed on the screen, such as saving, editing or deleting.



## Switching vertical/horizontal view

While watching 1Seg or displaying Full Browser, tilt the FOMA terminal 90 degrees to horizontal orientation to switch the screen view to horizontal one automatically. Even when checking the photos immediately after shooting or playing Music&Video Channel program, tilting the terminal switches vertical/horizontal view.

## Operating the Easy access menu

Use the Touch sensor to activate the Easy access menu, the function you can use with the FOMA terminal closed.

1 **MENU** (SENSOR) while the FOMA terminal closed ► Touch the Touch sensor

2 Use **Left/Right** to move the highlight ► **Enter**

■ To close the Easy access menu

**MULTI** (1 second or longer)



Easy access menu

## Operating the Motion Access

The Easy access menu allows for activation of the assigned functions simply by waving the FOMA terminal. What you can set are the following functions: Activating 1Seg, Still image shooting, Movie shooting, Voice recorder, Music Player, Enjoy Exercise and Medias viewer.

### ■ To activate a function with the Motion Access

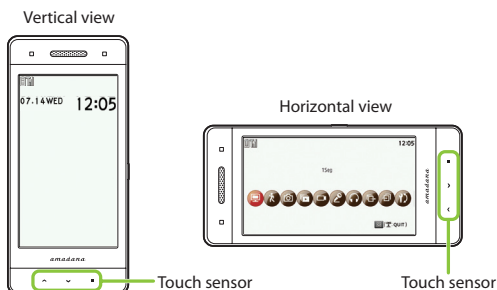
- 1 While displaying the Easy access menu screen ▶ Wave to quickly rotate the FOMA terminal 90 degrees



- When waving the FOMA terminal, hold it securely and do not touch the Touch sensor.

## Using the Touch sensor

You can take photos, watch 1Seg programs, or listen to music with the FOMA terminal closed. Touch the Touch sensor to use these functions with the FOMA terminal closed.



As shown in the illustration, the Touch sensor is located at the bottom of the screen in vertical view, and at the right side in horizontal view.

Touch sensor is described from left in vertical view, and from above in horizontal view.

\* The Touch sensor is illustrated in the vertical view in the case of no distinction.

### Basic operations on the Touch sensor

- Touch the sensor softly with your finger on .
- If prompted to select "YES/NO" during operation, you can move the highlight by touching or and select/confirm by pressing , similar to a multi-function key.
- To end the function, press (MULTI) for 1 second or longer.



- Functions with the FOMA terminal closed are more restrictive than those with FOMA terminal open. Menus such as the submenu must be accessed by pressing the keys directly, with the FOMA terminal open.
- Using "Touch sensor setting" (p.33) changes the Touch sensor behavior and the backlight color.

## Notes on using

The Touch sensor is designed to be touched lightly with a finger. Do not press the Touch sensor firmly with a finger or pointed objects such as fingernails, ballpoint pens, and pins.

In the following cases, the Touch sensor may not respond even if touched. And they may cause malfunction.

- Operation with finger in glove
- Touching with a fingernail
- An object placed on the operation surface
- A protective sheet or seal etc. placed

## Main functions for which the Touch sensor is available

The followings are main functions, which are activated with the Touch sensor while the FOMA terminal is closed.

- Camera: Shooting (still images, movies, etc.), Bar code reader
- 1Seg: Activate 1Seg
- Music Player: Play programs/music/i-motion/movies
- Display images: Display images of My picture/Medias viewer
- Video player: Play videos recorded with 1Seg
- Enjoy Exercise: Count your running steps in the "RUN"



- When the FOMA terminal is closed, the Touch sensor can be used to perform such operations as zooming in/out, adjusting the volume, changing channels.
- If the sound plays when receiving a new mail/alarm notice, you can end it by simply touching the Touch sensor.
- When the FOMA terminal is open and the Touch sensor is available, use  or  to scroll screen by screen to the direction you touch, and  allows operations including selection.

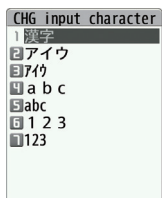
# Character Entry

## Entering characters

When entering information to save to the phonebook, or creating mails or schedules, enter text.

### ① Switching entry modes

Press  (Chrct) on the text entry screen to display entry mode change screen.



Entry mode change screen

### ② Entering characters

Press a dial key several times to enter your desired text.

〈Example : when pressing 〉

When entering Alphabetic

"a→b→c→A→B→C→2"

When entering Numeric

"2"

When entering Kanji/Hiragana

"か→き→く→け→こ"

When entering Kana

"カ→キ→ク→ケ→コ→2"

### ③ Converting entered text

Convert entered text to Kanji or Kana.

 : Display conversion candidates

 : Select from the conversion candidates

 : Convert to Kanji, etc. to change the conversion range

 : Convert to Alphabetic, Numeric and Kana

 : Set



### Other key operations

 : Delete character.

 : Insert a line feed, switch upper case/lower case, or enter dakuten/handakuten.

 : Return to the previous character assigned to that key.

 (1 second or longer) : Undo the operation such as converting, pasting or cutting.

 : Enter Pictograph or symbols consecutively or enter face marks or URL. During displaying List, pressing  or  switches the tabs.

To enter a character that is assigned to the same key immediately after entering the character such as "あ" and "い",  
 to move the cursor.



## Let's enter text.

<Example : entering "秋のキャンプ (Autumn camp)">

**Enter Hiragana**

|                          |                         |
|--------------------------|-------------------------|
| 1 once<br>あ              | 2 twice<br>き            |
| 5 5 times<br>の           | 2 twice<br>き            |
| 8 once<br>や              | * once<br>to lower case |
| 0 3 times<br>ん           | 6 3 times<br>ふ          |
| * twice<br>(Han-dakuten) |                         |

Edit note

あきのきやんぷ

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▼Sel.

秋のキャンプ  
秋のきやんぷ  
あきのきやんぷ  
アキノキャンプ アキ/キヤワ

- ▶  to move the cursor to the target conversion candidate and then  to select the candidate
- ▶  (Set)

## Entering Deco-mail pictogram

Deco-mail pictograms are images that meet certain conditions, including moving pictogram.

Press  (PI-SB) and then  (Pict D) on the Message screen to display the categorized Deco-mail pictogram entry screen. Use  to move the frame and press  (Select) to enter a Deco-mail pictogram.



[Category]

顔文字・絵文字

(Face mark/i-pictogram)

表情・気持ち

(Facial expression/  
Emotion)

装飾 (Decoration)

ハート・キラキラ

(Heart/Twinkle)

天気・季節

(Weather/Season)

移動・生活

(Transportation/Life)

食べ物 (Food)

キャラクター (Character)

文字 (Text)

[Other key operations]

 (← Switch) : Display the previous category

 (Switch →) : Display the next category

 (JUMP) : Display the category list

 : Exit Deco-mail pictogram input

# Sound/Screen Setting

## Changing ring tone

### Changing the ring tone for calls

- 1  ► "Setting" ► "Sound/Vib./Manner" ► "Select ring tone" ► "Phone" ► "Select ring tone"
- 2 "Melody" ► Select ring tone

## Adjusting volume of ring tone

### Adjusting the volume of calls

- 1  ► "Setting" ► "Sound/Vib./Manner" ► "Ring volume" ► "Phone"
- 2  to adjust the volume, then  (Set)

Other options such as a melody, i-motion, Chaku-Uta®, or Chaku-Uta-Full® can be set to ring tones. When i-motion is set, a video also plays.

\* "Chaku-Uta" and "Chaku-Uta-Full" are registered trademark of Sony Music Entertainment (Japan) Inc.



## Setting vibrator

### Informing you of incoming calls by vibration

- 1  ► "Setting" ► "Sound/Vib./Manner" ► "Vibrator setting" ► "Phone"
- 2 Select a vibration pattern

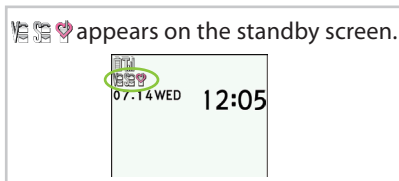
## Using manner mode

Set the FOMA terminal not to play ring tones or keypad sound through the speaker with a single key operation. Even in manner mode, the camera shutter sound, pause sound while recording or auto focus sound plays.

- 1 On the standby screen,  (1 second or longer)

### To release the setting

On the standby screen,  (1 second or longer)



## Setting keypad/Touch sensor sound OFF

- 1  ► "Setting" ► "Sound/Vib./Manner" ► "Other sound setting" ► "Keypad sound" ► "OFF"

## Changing screen display

### Changing the standby screen

- 1  ► "Setting" ► "Screen/Display" ► "Stand-by display"
- 2 "Stand-by display" ► Select an image

## Changing display brightness

Set the backlight behavior of the display or keys, adjust the brightness.

1  ► "Setting" ► "Backlight/Illum." ► "Backlight"

2 Select an item

## Making it difficult for others to see the display

Privacy angle makes it difficult for others to see the display. When setting Privacy angle,  is displayed on the standby screen.

1  (1 second or longer)

■ To deactivate

 (1 second or longer)



• You may not be able to set/release the Privacy angle while editing a text, etc.

## Changing design of menu icon

1  ► "Setting" ► "Screen/Display" ► "Menu display set" ►

Select an item

## Changing character size

1 On the standby screen,  (1 second or longer) ► Select a font in "Font type" ► Select the thickness in "Thickness" ► Select a character size in "Character size"

## Changing Machi-chara setting

Set Machi-chara, and a character appears on the standby screen to inform you of i-concier information, missed call, new mail, unread mail, etc.

1  ► "Setting" ► "Screen/Display" ► "Machi-chara setting" ► "ON"

2 Select a folder ► Select a Machi-chara ►  (Set)



- i-appli and Machi-chara cannot be set to the standby screen at the same time.

## Setting Kisekae Tool

Use the Kisekae Tool package to set various FOMA terminal designs such as screens and ring tones at once.

- 1 ► "Setting" ► "Screen/Display" ► "Kisekae Tool setting" ► Select a folder
- 2 Highlight an item ► (Set all) ► "YES"



- When you use Kisekae Tool to change the menu display design, the structures of some menus may change in accordance with the frequency of use.

## Changing illumination when receiving

Set the illumination flashing color or pattern used when you receive voice/videophone calls, mails, Messenger/F or i-concier information.

### Changing the illumination for incoming FOMA calls

- 1 ► "Setting" ► "Backlight/Illum." ► "Illumination setting" ► "Illumination in call" ► "Illumination" ► "Phone"
- 2 Select a color ► ► "Set pattern" ► Select a pattern



- You can set different flashing colors to arriving calls or mails from the specified phone numbers, mail addresses and a set of group.
- To set the flashing color to phonebook  
On Phonebook detail screen, (Submenu) ► "Ring tone/Image" ► Select the item to set ► "Illumination".

## Changing the Touch sensor settings

### Setting the Touch sensor to activate/deactivate

- 1  ► "Setting" ► "Other setting" ► "Touch sensor setting" ► "ON" or "OFF"

### Changing the lighting color of the Touch sensor

Set the lighting color of the Touch sensor backlight.

- 1  ► "Setting" ► "Other setting" ► "Touch sensor setting" ► "ON" ► "Backlight"

- 2 Select a color

### Setting the behavior of the Touch sensor when touched

Set the behavior of vibrator and backlight illumination when you touch the Touch sensor.

- 1  ► "Setting" ► "Other setting" ► "Touch sensor setting" ► "ON" ► "Touch sensor linkage"

- 2 "Vibrator" or "Illumination" ► "ON" or "OFF"

### Using the scroll function on the Touch sensor

Displaying the screen, on which the scroll function can be performed, automatically enables the Touch sensor.

- 1  ► "Setting" ► "Other setting" ► "Touch sensor setting" ► "ON" ► "Scroll"

- 2 "ON" or "OFF"

### Setting the Touch sensor to be able to be used for receiving a call

The Touch sensor is enabled automatically when you receive a call with the FOMA terminal closed. You can answer the call by simply touching .

- 1  ► "Setting" ► "Other setting" ► "Touch sensor setting" ► "ON" ► "Touch sensor ans."

- 2 "ON" or "OFF"

## Changing a function activated with the Motion Access

### Changing the Motion Access setting

Set the functions you can activate by waving the FOMA terminal while it is closed.

- 1  ► "Setting" ► "Slide-style setting" ► "Motion Access Set." ► Select an item

## Changing the behavior of the FOMA terminal when being slid

### Changing a sound played when sliding the FOMA terminal

- 1  ► "Setting" ► "Slide-style setting" ► "Slide sound"
- 2 "Open sound" or "Close sound" ► "Melody" ► Select a folder ► Select an item ► "Ring time" ► Select a ring time

### Changing the behavior of the FOMA terminal for being opened

Set the behavior of the FOMA terminal for being opened when receiving a voice/videophone call or new mail.

- 1  ► "Setting" ► "Slide-style setting" ► "Setting when opened"
- 2  to select the checkbox ( ☐ ) ►  (Finish)

### Changing the behavior of the FOMA terminal for being closed

Select "No tone", "Tone on", "End the call" or "Continue talking" as the behavior of the FOMA terminal for being closed during a voice/videophone call.

- 1  ► "Setting" ► "Slide-style setting" ► "Setting when folded" ► Select an item

### Changing the backlight setting for closing the FOMA terminal

- 1  ► "Setting" ► "Slide-style setting" ► "Backlight when closed" ► "Backlight OFF" or "Backlight ON"

## Checking missed calls or new mail with the lamp

Set whether to keep the illumination flashing or to stop flashing.

### Setting the illumination

- 1  ▶ "Setting" ▶ "Backlight/Illum." ▶ "Illumination setting" ▶ "Illumination in call" ▶ "Missed info"
- 2 "ON" or "OFF"

### Checking by illumination

When there is a missed call or new mail (i-mode mail, Area Mail or SMS), notification is made with the illumination, which keeps flashing.

## Reducing battery consumption

The eco mode function reduces battery consumption by adjusting screen brightness, etc. If the battery level falls below 20%, the FOMA terminal automatically changes the settings to further control the battery consumption.

- In case the battery level remains at  to  (between 100% and 21% charged), eco mode 1 () is automatically set. In case at  (below 20% charged), eco mode 2 () is selected.
- eco mode 2 makes no keypad sound, switches the standby screen to the content compatible with eco mode, etc., so that battery consumption is more reduced than eco mode 1.

- 1 On the standby screen,  (1 second or longer)

### ■ To release the setting

On the standby screen,  (1 second or longer)

## Various security codes

To make the FOMA terminal more convenient and secure, some functions require the security code.

### Security code

#### ■ Default : 0000

This security code is required for deleting all data, changing settings, etc.

You can change the number.

 ► "Setting" ► "Lock/Security" ► "Change security code" ► Enter your current security code ► Enter a new 4- to 8-digit security code ► "YES"

### Network security code

#### ■ Any code is set at time of subscription

A 4-digit number is required to verify your identity when you subscribe to some services at a docomo Shop, docomo Information Center and "お客様サポート (Customer support)" (in Japanese only), or when you use network services.

You can change the number. Via i-mode,

 ► "お客様サポート" (Customer support) ► "各種設定 (確認・変更・利用)" (Various settings [confirm, change, use]) ► "ネットワーク暗証番号変更" (Change Network security code)

### i-mode password

#### ■ Default : 0000

This password is required to subscribe to/cancel i-mode pay services, and to perform other operations.

You can change the number. Via i-mode,

 ► "English" ► "Options" ► "Change i-mode Password"

## PIN1 code and PIN2 code

### ■ Default : 0000

These codes are set to the UIM (FOMA card).

PIN1 code is a 4- to 8-digit number and must be entered every time you insert the UIM (FOMA card) into the FOMA terminal or turn on the power. PIN2 code is a 4- to 8-digit number that you enter when using or requesting user certificates or performing tasks such as resetting total call charges.

If you enter an incorrect PIN1/PIN2 code three times in a row, the PIN1/PIN2 code is locked and cannot be used any more (remaining allowable counts appear on the screen). After you enter the correct PIN1/PIN2 code, the number of times for entry is reset to three.

You can change the number.

-  ▶ "Setting" ▶ "Lock/Security" ▶ "PIN setting" ▶ Enter your security code ▶ "Change PIN1 code" or "Change PIN2 code" ▶ Enter your current PIN code ▶ Enter a new PIN code ▶ Enter a new PIN code again for confirmation.
- To change the PIN1 code, set "PIN1 code entry set" to "ON".

## PIN Unlock code (PUK code)

PIN Unlock code (PUK code) is an 8-digit number used to unlock PIN1 or PIN2. The PIN Unlock code (PUK code) cannot be changed.

- If the wrong PIN Unlock code (PUK code) is entered ten times in a row, the UIM (FOMA card) is then completely locked. In this case, contact a docomo Shop Service Counter.

### ■ Notes on the security codes

- When setting a security code, avoid using personal information such as date of birth, telephone number, street address/room number, "1111" and "1234" that may be guessed by a third party. Keep records of your security codes.
- Keep your security code private. If the security code is disclosed to others and abused, DOCOMO shall have no liability for any damage due to any unauthorized use of it.
- If you have forgotten your security codes, please bring your FOMA terminal, UIM (FOMA card) and official documents that verifies your identity, such as a driver's license, to a docomo Shop Service Counter. For details, contact General Inquiries on the last page of the Instruction manual.
- Your PIN Unlock code (PUK code) is written on application form (copy for customer), which a docomo Shop gives you at time of subscription. If you have subscribed at a retailer other than the docomo Shop and you need your PIN Unlock code (PUK code), please bring your FOMA terminal, UIM (FOMA card) and official documents that verifies your identity, such as a driver's license, to a docomo Shop Service Counter, or contact General Inquiries on the last page of the Instruction manual.

## Various lock functions

You can protect your important information in your FOMA terminal with the following locks.

| Type of Lock  | Function                                                                                                                                                   | Setting procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dial lock     | Lock your terminal so that no one can use it. Even if you turn the power off, Dial lock will not be unlocked.                                              |  To activate<br> ▶ "Setting" ▶ "Lock/Security" ▶ "Lock"<br>▶ Enter your security code ▶ "Dial lock"<br> To deactivate<br>On the dial lock setting screen, enter your security code ▶ <br>· 5 consecutive failed entries of the security code will turn your FOMA terminal off.                                    |
| Omakase Lock  | If you misplace your FOMA terminal, etc., you can lock the personal data of phonebook etc. or IC card function of Osaifu-Keitai only by contacting DOCOMO. | <div>           Setting/releasing Omakase Lock<br/>  <b>0120-524-360</b> <small>Business hours :<br/>24 hours (open all year round)<br/>(Japanese)</small><br/> <small>* Unavailable from part of IP phones.<br/>* My docomo is also available to set/release Omakase Lock via PC, etc. (Japanese)</small> </div> · For details on Omakase Lock, refer to "Mobile Phone User's Guide [i-mode] FOMA version".                                                                                                                                                         |
| Original Lock | Lock functions that use private information such as mail or phonebook entries to prevent others from viewing or altering these improperly.                 |  To activate<br> ▶ "Setting" ▶ "Lock/Security" ▶ "Lock"<br>▶ Enter your security code ▶ Select an item in Original lock<br> To deactivate<br> ▶ "Setting" ▶ "Lock/Security" ▶ "Lock"<br>▶ Enter your security code ▶ "OFF"                                                                                        |
| IC card lock  | You can lock the IC card functions such as Osaifu-Keitai or reception of ToruCa to prevent others from using them without your permission.                 |  To activate<br>On the standby screen,  (1 second or longer)<br> To deactivate<br>On the standby screen,  (1 second or longer) ▶ Enter your security code                                                                                                                                                    |
| Keypad lock   | Lock key operations automatically when the FOMA terminal is closed or turned off, or no operation is performed for a certain period of time.               |  To activate<br> ▶ "Setting" ▶ "Lock/Security" ▶ "Keypad lock" ▶ Enter your security code ▶ Select an item ▶  (Finish)<br> To deactivate temporarily<br>On the keypad lock setting screen, enter your security code ▶  |

## Restricting incoming calls

### Rejecting a call without caller ID

Set whether to accept or reject voice/videophone calls from unidentified numbers by configuring the setting for each reason.

- 1  ► "Setting" ► "Lock/Security" ► "Call rejection set."
- 2 Enter your security code ► Select any item from "User unset" to "Unknown" ► "Accept" or "Reject"



- The setting can be configured for each of the following reasons.
  - User unset : Calls made by callers who opt not to send caller ID
  - Payphone : Calls from pay phones, etc.
  - Unknown : From callers who are unable to provide the caller ID, such as calls from overseas or calls from land-line phones sent via a call forwarding service

### Rejecting a call from a caller unset in Phonebook

Set whether to accept or reject calls from callers not in the phonebook.

- 1  ► "Setting" ► "Lock/Security" ► "Call rejection set."
- 2 Enter your security code ► "Reject unknown" ► "Accept" or "Reject"



- This function is valid only for calls with caller ID.  
It is recommended that you also set "Caller ID request" and "User unset" in this function.

## Resetting settings to default

### Resetting the function settings to default

Reset the function settings to default. For the function that can be reset, see "Menu list" (→ p.88).

"Initialize" and "Reset settings" are different. Do not mix them up.  
If you perform "Initialize", you will lose all data you have stored.

- 1  ► "Setting" ► "Other setting" ► "Reset settings"
- 2 Enter your security code ► "YES"

### Deleting stored data at once

Delete stored data and reset the function settings to default.

Performing "Initialize" deletes all of your important data, logs or information such as personal data like phonebook entries or mails, downloaded images or melodies, i-appli, Widget Appli, PDF data, the photo images (still images) or moving pictures shot by camera, or various log records or information, etc. (Protected data is also deleted).

- 1  ► "Setting" ► "Other setting" ► "Initialize"
- 2 Enter your security code ► "YES" ► "YES"



- Pre-installed data will not be deleted. However, Osaifu-Keitai compatible i-appli other than iD設定アプリ (iD appli) may be deleted. Pre-installed i-appli/Widget Appli will be deleted if they have been upgraded or deleted then downloaded.
- Data stored/registered/set in a UIM (FOMA card) or microSD card will not be deleted.
- Charge the battery fully before initializing. Initialization may not be possible if the battery is low.
- Do not turn off the power while initializing.

## Resetting data by remote control

Subscribe to this service (Business mopera anshin manager), and you may request the FOMA terminal data (memory in Phone/microSD card/UIM (FOMA card)) be reset.

### Inquiries

NTT DOCOMO corporate website

**docomo Business Online**

From PC <http://www.docomo.biz/> (Japanese)

\* There are cases where the site may not be available due to system maintenance, etc.

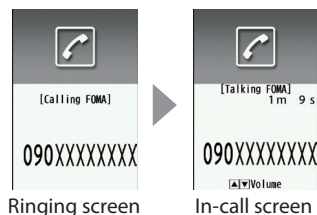
# Call Telephone

## Making a call/videophone call

As N-07B is not equipped with the front camera, during a videophone call, you can send only the substitute image (Chara-den) or image from the rear camera to the other party.

### Making a call by entering the phone number

- 1 Enter the phone number starting with the area code, then  (voice call) /  (V.phone)
- 2 After the call ends, 



● Videophone operation

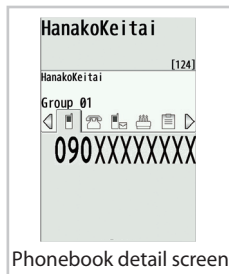
 : Adjust zoom

 : Mute your voice

### Making a call from Phonebook

Add the phone number of the other party to the phonebook in advance. (→ p.55)

- 1  ► "TEL function" ► "Phonebook" ► "Search phonebook" ► Select a search condition and search an entry ► Use  to select an entry, then  (voice call) /  (V.phone)



### Making a call from Redial/Received calls

- 1 Use  (Redial) or  (Received calls) to select the other party, then  (voice call) /  (V.phone)

## Notifying the other party of your phone number

Set whether to show your phone number (caller ID) on the other party's phone (display) when making a call.

- 1  ► "TEL function" ► "Dial/Receive setting" ► "Caller ID notification" ► "Activate/Deactivate"
- 2 "ON" or "OFF"



- If you hear a message requesting your caller ID, make a call again with Caller ID notification enabled or with 186 prefix.

## Making an international call

Use WORLD CALL to make international calls from Japan.

- For WORLD CALL, please contact General Inquiries on the last page of this manual.

- 1 010 ► Country code ► Area code (City code) ► Other party's phone number ►  (voice call) /  (V.phone)
- 2 After the call ends, 



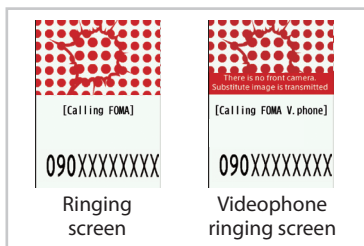
- Dial the other party's phone number excluding "0" at the beginning of the area code (city code). However, to make a call to some countries/areas, such as in Italy, "0" is required.



You can make calls from overseas. (→ p.48)

## Receiving a call/videophone call

- 1 When you receive an incoming call, 
- 2 After the call ends, 



When you receive an incoming call, the ring tone sounds and the illumination flashes.



Connect

## Adjusting earpiece volume

- 1  ► "TEL function" ► "Dial/Receive setting" ► "In-call setting" ► "Volume" ► Adjust with 



• During a call, you can adjust the volume with .

## When you cannot answer a call

### Setting to record a voice and videophone message

When you cannot answer a voice or videophone call, the FOMA terminal can record a voice or videophone message.

- 1  ► "TEL function" ► "Rec. msg./Voice memo" ► "Record message setting" ► "ON" ► "Phone" or "Videophone" ► Select an item
- 2 Set ring time (3-digit number meaning 000-120 seconds)

### If you receive a call with Record message setting ON

Record message activates if the set time ends. Press  to answer a voice call while recording. Press  or  (Subst.) (Answer with substitute image) to answer a videophone call while recording.

### To play a recorded message

On the standby screen,  ► "  " (Record message) or "  " (Record VP message) ► Select an item

### Setting Public mode (Drive mode)

When Public mode (Drive mode) is set, a caller hears a message that you cannot answer the call because you are driving or in a place where you have to refrain from using a mobile phone (on a train or bus, in a theater, etc.), then the call ends.

- 1 On the standby screen,  
 (1 second or longer)

### To deactivate

On the standby screen,  (1 second or longer)

 appears on the standby screen.



### Setting Public mode (Power OFF)

When Public mode (Power OFF) is set, a caller who made a call while the power is off hears a message that you cannot answer the call because you are in a place where you have to turn off the mobile phone (in a hospital, on an airplane, around a priority seat on a train, etc.), then the call ends.

- 1       ► 

### To deactivate

      ► 

## Using various network services

### ■ Available network services

Useful DOCOMO network services are available.

- The network services are not available when you are outside the service area or in a place where the signal is weak.
- For details, refer to "Mobile Phone User's Guide [Network Services]".
- For the application and inquiries, please contact General Inquiries on the last page of this manual.

| Service name             | Application  | Monthly charge |
|--------------------------|--------------|----------------|
| Voice Mail Service       | Required     | Charged        |
| Call Waiting             | Required     | Charged        |
| Call Forwarding Service  | Required     | Free           |
| Nuisance Call Blocking   | Not required | Free           |
| Caller ID Notification   | Not required | Free           |
| Caller ID Request        | Not required | Free           |
| Dual Network Service     | Required     | Charged        |
| English Guidance         | Not required | Free           |
| Multi Number             | Required     | Charged        |
| 2in1                     | Required     | Charged        |
| Public mode (Drive mode) | Not required | Free           |
| Public mode (Power OFF)  | Not required | Free           |
| OFFICEED                 | Required     | Charged        |
| Melody call              | Required     | Charged        |

- "OFFICEED" requires a subscription and is a fee based service.  
For details, refer to the NTT DOCOMO corporate website (<http://www.docomo.biz/html/service/officed/> (Japanese)).

### Setting Voice Mail Service

- 1  ► "TEL function" ► "Voice mail service" ► Select an item

### Setting Call Waiting

- 1  ► "TEL function" ► "Other network serv." ► "Call waiting" ► Select an item

### Setting Call Forwarding Service

- 1  ► "TEL function" ► "Other network serv." ► "Call forwarding" ► Select an item

## Services available for the FOMA terminal

| Available services                                                                                     | Phone number                                  |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Directory assistance (pay : service charge + call charge)<br>* Unlisted phone numbers cannot be given. | (No area code) 104                            |
| Telegram (pay : telegram charge)                                                                       | (No area code) 115                            |
| Time (pay)                                                                                             | (No area code) 117                            |
| Weather (pay)                                                                                          | Area code for weather forecast you want + 177 |
| Police emergency                                                                                       | (No area code) 110                            |
| Fire brigade/Ambulance emergency                                                                       | (No area code) 119                            |
| Maritime distress call                                                                                 | (No area code) 118                            |
| Emergency Message Recording System (pay)                                                               | (No area code) 171                            |
| Collect call (pay : service charge + call charge)                                                      | (No area code) 106                            |

- If you are using a "Call Forwarding" service from a land-line phone and if a mobile phone is set as the forwarding number, depending on the settings of the land-line phone or mobile phone, the caller may simply hear the ring tone even when the mobile phone is busy with another call, out of range, in Self mode or turned off.
- Your FOMA terminal supports "Emergency Location Report".  
Calls made to emergency service organizations (e.g. by dialing 110, 119 or 118) disclose information on the caller's location to the organization receiving the call. The location information may not be correctly sent depending on the current location or signal quality.  
The location information and phone number are not disclosed when, before each individual call made, "184" or another blocking prefix is dialed first. If the information are deemed necessary for the protection of life, etc., this information may be reported to the organization being called. Locations planned for adoption of this feature vary according to the status of the preparations by the relevant emergency service organizations.
- When calling 110, 119 or 118 from the FOMA terminal, first say you are calling from a mobile phone, give your number, and state your location clearly, because the police or fire department may call you back for confirmation. Also, do not move around when making the call. Do not turn off the power immediately after ending the call, but leave it turned on for ten minutes or so, so that you can receive a call.
- Depending on the area you are calling from, you may not be connected with the nearest police or fire department, etc. In this case, dial from a public or land-line phone.

## Using overseas

To make calls overseas, use international roaming (WORLD WING).

■ International roaming (WORLD WING) is the service, which enables you to make calls and perform communication over networks of affiliated telecommunications carriers using the FOMA terminal, phone number and mail address of your own for Japan, even when you are overseas. Voice calls, SMS and i-mode mail services are available without any special settings.

### ■ Supported area

This FOMA terminal can be used in the 3G and GSM/GPRS network service areas. Also can be used in countries/regions compatible with 3G 850 MHz. Check available areas.

### ■ Before overseas use, refer to the following:

- "海外ご利用ガイド" (Overseas use guide) (Japanese) in "i-mode" folder in "My document" under Data box
- "Mobile Phone User's Guide [International Services]"
- DOCOMO "International services website"

### ■ Information

- For a country code, international call access code and international prefix number for the universal number, refer to "Mobile Phone User's Guide [International Services]" or DOCOMO "International services website".
- Overseas usage fees (call charge, packet communications charge) differ from those in Japan.

## Available services overseas

| Communication services         | 3G | GSM | GPRS |
|--------------------------------|----|-----|------|
| Voice call <sup>*1</sup>       | ○  | ○   | ○    |
| Videophone call <sup>*1</sup>  | ○  | ×   | ×    |
| SMS <sup>*2</sup>              | ○  | ○   | ○    |
| i-mode <sup>*3</sup>           | ○  | ×   | ○    |
| i-mode mail                    | ○  | ×   | ○    |
| i-Channel <sup>*3 *4</sup>     | ○  | ×   | ○    |
| i-concier <sup>*5</sup>        | ○  | ×   | ○    |
| i-Widget <sup>*6</sup>         | ○  | ×   | ○    |
| Packet communications via a PC | ○  | ×   | ○    |

<sup>\*1</sup> : When 2in1 is active, dialing using Number B is not available. Dialing using the additional number of Multi number is not available.

<sup>\*2</sup> : When sending an SMS to FOMA terminal user, enter the other party's phone number as in Japan.

<sup>\*3</sup> : "i-mode overseas use" setting is required.

<sup>\*4</sup> : "i-Channel overseas use" setting is required. Packet communications charges will apply when you automatically update information on "Basic Channel". (Included in i-Channel charges in Japan.)

- \*5 : Overseas use setting for i-concier is required. Packet communications charges will apply for each reception of information.
- \*6 : "i-Widget overseas use" setting is required. When you open the i-Widget screen, multiple Widget Appli may establish communications. In this case, packet communications charges will apply for each communication.



• Some services are not available depending on the operator or network overseas. For countries and operators, refer to "Mobile Phone User's Guide [International Services]" or visit the DOCOMO "International services website".

## Making a call to outside your destination country

- 1 (1 second or longer) to enter + Country code Area code (City code) The other party's phone number (voice call) / (V.phone)
- 2 After the call ends,



- To make an international call to Japan, dial "81" as country code.
- Dial the other party's phone number excluding "0" at the beginning of the area code (city code). However, to make a call to some countries/areas, such as in Italy, "0" is required.

## Making a call in the country of stay

- 1 Area code (City code) The other party's phone number (voice call) / (V.phone)
- 2 After the call ends,

## Making a call to "WORLD WING" user overseas

When making a call to "WORLD WING" user overseas, make a call as an international call to Japan (dial "81" (Japan) as the country code), irrespective whether the other party is in or out of the country you stay.

- 1 (1 second or longer) to enter + other party's mobile phone number excluding the first "0" (voice call) / (V.phone)
- 2 After the call ends,

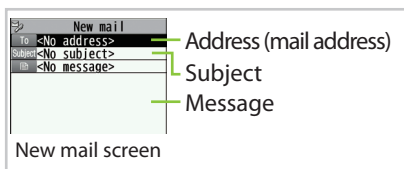
Only by subscribing to i-mode, Mail can be exchanged between i-mode users or anyone who has an Internet e-mail address. You can send up to 10 attachments (images, moving picture files, etc.) of up to 2 MB including text. Also, the FOMA terminal is Deco-mail-compatible. By changing the character size and background color etc. and using Deco-mail pictograms in the main text, you can compose and send fun, decorative i-mode mail. i-mode mail enables you to use Decome-Anime, which is Flash movie with messages and images.

- For details on i-mode mail, refer to "Mobile Phone User's Guide [i-mode] FOMA version".

## Sending i-mode mail

Connect

- 1   (New)  
▶ Enter each item
- 2  (Send)



### ■ To attach files

On the New mail screen,  (Att.) ▶ Select a file



- The following files can be attached to i-mode mail:
  - Still image, image
  - Moving picture, i-motion
  - PDF data
  - ToruCa, ToruCa (detail)
  - Profile data
  - Bookmark
  - Movie\*
  - SWF Flash movie
  - Melody
  - Document in a microSD card
  - Phonebook data
  - Schedule or ToDo list data
  - SD other files in a microSD card

\* : Movie can be sent as an attachment file only if it is forwarded.

- Regardless of the number of bytes of main text and the file sizes of inserted images, you can attach up to 10 attachments of up to 2 MB in total. (The maximum number of the files varies depending on the file size.)

## Sending Deco-mail/Decome-Anime

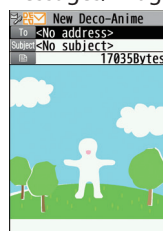
### ■ Deco-mail

Deco-mail is a service that allows you to decorate i-mode mail by changing the character color/size and background color, waving characters, etc.



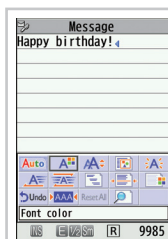
### ■ Decome-Anime

Decome-Anime is a service that allows you to compose decorative mail using animation templates with Flash containing messages/images.



### Sending Deco-mail

- 1 On Message screen,
- 2 Use to select a decoration menu, then compose message (Send)



- : Change the font color
- : Change the font size
- : Select an image to insert
- : Blink text
- : Restore the entered text or decoration to the previous state etc.

### Sending Decome-Anime

- 1 "Create new Deco-Anime" Enter an address and subject "<No message>" Select a Decome-Anime template (Set)
- 2 Select the Message field, then edit the text (Finish) (Send)



• A template is a form for Deco-mail/Decome-Anime to which the layout and ornament are already set. Using a template allows you to compose Deco-mail/Decome-Anime easily.

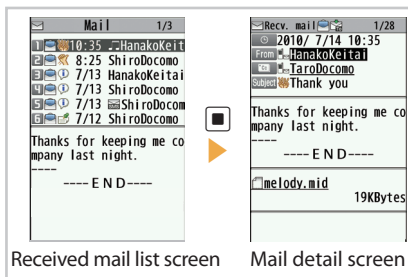
"Decome-Template" "Deco-mail" or "Decome-Anime".

## Reading received i-mode mail

When the FOMA terminal is in the service area, the i-mode center automatically sends i-mode mail.

- When the reception of i-mode mail is completed, "✉" appears on the standby screen, indicating the mail has not been read.

- 1 ✉ ➤ "Inbox" ➤ Select a folder
- 2 Select an i-mode mail



### Replying to i-mode mail

- 1 On Received mail list screen/Received mail detail screen ➤  
✉ (Reply(with Quote)) ➤ Compose message ➤ ✉ (Send)



- To quote the main text to reply, press ✉ (Reply(with Quote)) for 1 second or longer.

### Checking new i-mode mail

You can receive the mail and message stored at the i-mode center by checking with the center.

- 1 On the standby screen, ✉ (1 second or longer)

### Sorting i-mode mail

Sort mail into the specified folders by preset criteria such as mail address or subject.

- 1 On the Outbox/Inbox folder list screen, highlight the destination folder ➤ MENU (Submenu) ➤ "Auto-sort" ➤ Set a sort criteria

## Early warning "Area Mail"

### ■ What is Area Mail?

Area Mail is a service that enables you to receive Early Warnings issued by the Japan Meteorological Agency.

When the FOMA terminal is in the service area, Area Mail is automatically received.

- A subscription to i-mode is not necessary to receive Area Mail.
- Area Mail cannot be received regardless of the Receive setting in the following cases:
  - The power is off
  - "  " is displayed
  - During a voice call
  - During a videophone call
  - During international roaming
  - In Omakase Lock
  - In Self mode
  - During infrared data exchange/iC communications/Bluetooth communications

### ■ When you receive Area Mail

When you receive Area Mail, a special beep or ring tone sounds and "  " appears at the top of the screen.

### // Setting Area Mail

- 1  ► "Mail setting" ► "Area Mail setting" ► Select an item

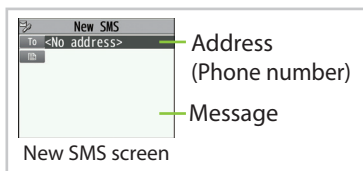
## Using SMS

This service allows you to exchange SMS between DOCOMO terminals, or with subscribers to overseas operators other than DOCOMO.

- For countries and operators, refer to "Mobile Phone User's Guide [International Services]" or the DOCOMO "International services website".

### Sending SMS

- 1  ► **"Compose new SMS"**
- 2 **Enter each item** ►  **(Send)**



Connect



- Files such as image files cannot be attached to SMS.

### Reading received SMS

Operations to be performed when SMS is received are the same as ones for i-mode mail. Also, the storage capacity and operations to be performed when the storage capacity for received mail becomes full are the same as for i-mode mail.

- 1  ► **"Inbox"** ► **Select a folder**
- 2 **Select an SMS**

### Checking new SMS

SMS that the FOMA terminal could not receive are stored at the SMS center. You can receive the stored SMS by checking with the SMS center.

- 1  ► **"Check new SMS"**

# Phonebook

## Adding phonebook entries

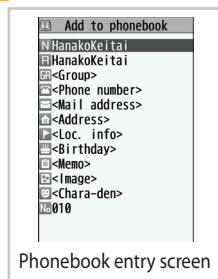
FOMA terminal has two types of phonebooks: FOMA terminal phonebook that various functions can be set to and UIM (FOMA card) phonebook whose entries are available even in another terminal.

### Adding a new phone number, mail address, etc.

An entry cannot be stored unless you fill in the "Name" field.

- 1 On the standby screen,  (1 second or longer) ▶ "Phone" or "UIM" ▶ Enter a name and reading

- 2 Enter each item, then  (Finish)



Phonebook entry screen

Connect

### Adding phonebook entries from Redial/Received calls

- 1 On Redial/Received calls screen,  (Submenu) ▶ "Add to phonebook" ▶ "Phone" or "UIM" ▶ "New"
- 2 Enter each item, then  (Finish)

## Editing phonebook entries

You can add or edit information in the phonebook, such as phone numbers or mail addresses.

### Editing FOMA terminal phonebook entries

- 1 On Phonebook detail screen,  (Submenu) ▶ "Edit phonebook"
- 2 Add or edit entries ▶  (Finish) ▶ "YES"



Phonebook detail screen

## Deleting phonebook entries

- 1 On Phonebook detail screen,  (Submenu) ▶ "Delete data" ▶ Select an item ▶ "YES"

## ■ i-mode

You can use online services such as i-mode site connection, accessing to Internet, i-mode mail, with i-mode by using display of i-mode compatible FOMA terminal (i-mode terminal).

- i-mode requires a subscription and is a fee based service.
- For details on i-mode, refer to "Mobile Phone User's Guide [i-mode] FOMA version".
- Information on i-mode menu sites and Internet websites is generally protected by copyright law. Text and images downloaded from these sites to i-mode terminals should be for personal use only and cannot be sold or redistributed in part or as a whole in their original or a modified form without the copyright holder's permission.
- If the UIM (FOMA card) is replaced or the power is turned on with no UIM (FOMA card) inserted, some models cannot display/play images, movies and melodies downloaded from sites, files attached to mail (images, movies, melodies, etc.), "Screen memo" and "Message R/F".
- If a file whose display and playback are restricted by the UIM (FOMA card) is set as the standby screen or as a ring tone, the default settings apply if the UIM (FOMA card) is replaced or the power is turned on without the UIM (FOMA card) inserted.

## ■ Full Browser

Using the Full Browser function, you can view websites designed for PCs.

- Note that communications charges may be high if large volumes of data are transmitted by viewing websites containing many image data or downloading files.
- For details on packet communications charges, refer to "Mobile Phone User's Guide [i-mode] FOMA version".
- Up to 1.5 MB per page can be viewed with the Full Browser.

## ■ "みんなNらんど" (Only in Japanese)

Download and save i-appli, dictionary, Deco-mail template from the site "みんなNらんど" (Japanese) of iMenu.

- Select the desktop icon " " (みんなNらんど) → p.21
-  ▶ "メニューリスト" ▶ "ケータイ電話メーカー"  
▶ "みんなNらんど"



QR code to  
access the site

## Displaying i-mode site

- 1 On the standby screen,   
"📶" flashes while communicating, and  
"📶" flashes while receiving i-mode  
services (during i-mode).

- 2 Scroll down to the bottom  
of the iMenu screen to select  
"English"



## Displaying web pages designed for PC

- 1  ► "i-mode/web" ► "Full Browser Home"

## Switching browser types

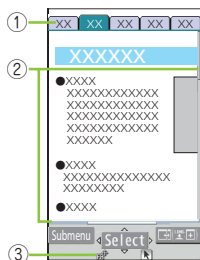
When you switch the browser types, note that charge systems are different between i-mode Browser and Full Browser.

- 1 Site or website displayed using i-mode ►  (Submenu)  
► "Full Browser" ► "Switch to FB." ► "OK" or "OK(default)"

■ To switch from Full Browser to i-mode browser

Site displayed using Full Browser ►  (Submenu) ► "i-mode Browser"  
► "Switch to i-mode"

## Viewing and operating websites



- ① Tab
  - Title of the displayed website (if there is no title, the URL appears)
  - As many tabs as websites displayed simultaneously
- ② Scroll bars : Current position in the displayed Full Browser page
- ③ Displayed while connecting to the Internet with Full Browser



## Saving frequently-visited sites

- ① Website displayed using i-mode or Full Browser ▶ (Submenu) ▶ "Bookmark" ▶ "Add bookmark" ▶ "YES" ▶ Select a folder

■ To view bookmarked site

▶ "i-mode/web" ▶ "Bookmark" ▶ Select a folder ▶ Select a bookmark

## Saving site contents

- ① Website displayed using i-mode or Full Browser ▶ (Submenu) ▶ "Screen Memo" ▶ "Save screen memo" ▶ "YES" or "YES(Image only)" ▶ "Save To phone" or "microSD"

■ To display a screen memo

▶ "i-mode/web" ▶ "Screen Memo" ▶ Select a screen memo



- Up to 200 bookmarks\* can be stored for i-mode and Full Browser.
- Up to 3,500 screen memos can be stored for i-mode and Full Browser.
- Some pages cannot be saved as screen memos, e.g. if saving is prohibited on the page.

\* : Up to 20 data can be additionally registered in the Secret Folder.

i-Channel is a news and information service distributed for i-mode subscribers with i-Channel compatible terminals. The ticker on the standby screen shows latest information that is automatically delivered to your terminal.

**"Basic Channel": This channel is distributed by DOCOMO. Packet communications charges do not apply to automatically update basic channels.**

**"Okonomi (Optional) Channel": This channel is distributed by information service providers (IP). Packet communications charges apply to automatically update okonomi (optional) channels.**

- \* Details content will be subject to packet communications charges both for basic channels and for okonomi (optional) channels.
- \* The packet communications charges do apply both to automatically update and to view detailed content overseas, and they differ from those in Japan.
- \* i-Channel requires a subscription and is a fee based service (i-mode subscription is required).
  - For details on i-Channel, refer to "Mobile Phone User's Guide [i-mode] FOMA version". The i-Channel service is only available in Japanese.

If you have subscribed to i-Channel, the ticker on the standby screen shows information when it is delivered to your terminal.



## Accessing i-Channel

### 1 On the standby screen, CLR



i-Channel list screen

- \* Shown image is an example. It may differ from the actual displays.

## Viewing and operating shooting screen

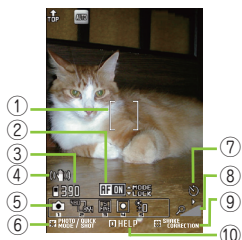
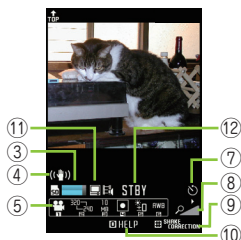


Photo (still image) shooting screen

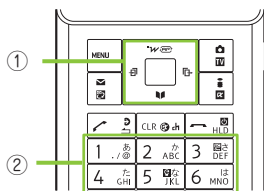
- ① Focus frame
- ② AF (Auto Focus) status
- ③ Remaining storage count/Memory info
- ④ Digital Anti-Shake
- ⑤ Shooting menu
- ⑥ Photo/Quick Shot



Movie (moving picture) shooting screen

- ⑦ Auto timer
- ⑧ Zoom
- ⑨ Digital Anti-Shake setting
- ⑩ Key operation guidance
- ⑪ Quality setting
- ⑫ Shooting status

## Main key operations



- ① : Shoot
- : Auto Focus mode changing/Focus lock
- : Zoom (Wide)/Zoom (Tele.)
- ② : CHG camera-mode : Select size
- : Quality setting or File size setting
- : Photo mode : Brightness
- : White balance/Select ISO

## Shooting still images/moving pictures

### Shooting still images

- 1  ▶ Frame the shot,  (Shoot) ▶  (Save)

### Shooting moving pictures

- 1  ▶ On Photo shooting screen,  ▶  ▶ Frame the shot,  (Record)
- 2 To stop shooting,  (Stop) ▶  (Save)



- Do not leave the camera lens exposed to direct sunlight. Doing so may discolor or burn the components of the camera.
- If the battery is low, you may not be able to save photos or moving pictures.

## Viewing still images/moving pictures after shooting

Still images are saved in "My picture", and moving pictures are saved in "i-motion/movie" under Data box. Still images/moving pictures can be set to the standby screen, etc.

### Viewing still images/moving pictures in Data box

- 1  ▶ "Data box" ▶ "My picture" or "i-motion/Movie"  
▶ "Camera" ▶  to select the image

#### ■ To view image while shooting

On Photo/Movie shooting screen,  (  ) ▶  to select the image



- To set the shot still image to the standby screen, etc., do the following:  
On Still image confirmation screen ▶  (Submenu) ▶ "Set display"  
▶ Select the image to set.

## Shooting in various ways

- 1 On Photo/Movie shooting screen,  (Submenu) ▶ "CHG camera-mode" ▶ Select the shooting mode

## Using 1Seg

1Seg service is provided by broadcasting companies (broadcasters). Communications charges do not apply. For details on NHK receiving fees, contact NHK.

- \* Packet communications charges apply to view data broadcast site and i-mode site. Information charges may apply for some sites (i-mode pay sites).
- \* For 1Seg service details, visit the following website:  
The Association for Promotion of Digital Broadcasting (Dpa)  
From PC : <http://www.dpa.or.jp/english/>  
i-mode : <http://www.dpa.or.jp/1seg/k/> (Japanese)
- \* 1Seg is not available overseas.

### ■ Signals

1Seg is one of the broadcast services and receives signals (broadcast waves) different from those of FOMA services. The following cases may cause incorrect operations:

- Far from the signal tower
- Hiding behind objects; e.g. in a mountain or building
- In tunnels, underground areas, and some locations far inside buildings
- \* To improve reception, extend the antenna. You may be able to improve reception by changing antenna direction, keeping the FOMA terminal away from/close to your body, or moving to another location.

### ■ Battery

When you activate 1Seg with the low battery, a low-battery alarm tone sounds, and a confirmation screen appears prompting you to select whether or not to activate 1Seg. When the battery gets low while watching or recording 1Seg, the alarm tone also sounds, and a confirmation screen appears prompting you to select whether or not to end watching or recording.

- If "Rec. when low battery" is set to "ON", the low-battery alarm tone does not sound while recording.
- When no operation is performed on the confirmation screen for approx. 1 minute, 1Seg is automatically turned off.

### ■ Display when using 1Seg for the first time

The disclaimer screen appears. When selecting "NO" on a confirmation screen that is displayed by pressing ☐ (OK), the screen will not appear from the next time.

## Setting channels

When you use 1Seg for the first time or move to another area, set the channels.

- 1  ► "CAMERA/TV/MUSIC" ► "1Seg" ► "Channel setting" ► "Select area"

## 2 Select an area of prefecture ▶ "YES"

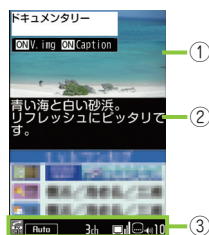
■ To search for channels automatically and register a channel list

MENU ▶ "CAMERA/TV/MUSIC" ▶ "1Seg" ▶ "Channel setting" ▶ "Auto channel setting" ▶ "YES" ▶ "YES" ▶ Enter title

### Watching 1Seg

#### 1 On the Standby screen, (1 second or longer)

### Viewing and operating watching screen



1Seg watching screen

- ① Video    ② Caption  
③ Screen status, operation mode, etc.

- : Adjust the volume  
: Select the channel in order  
CLR: Mute  
0 to 9, #, \*: One-touch channel selection  
: Record still image by pressing the key while watching, start movie recording by pressing the key for 1 second or longer while watching, stop recording by pressing the key while recording movie (Recorded movie is saved in microSD card)  
: Display a program information, switch the display

### Setting timer for watching 1Seg or recording video

1 MENU ▶ "CAMERA/TV/MUSIC" ▶ "1Seg" ▶ "TV timer list" or "Timer recording list"

2  (New) ▶ Enter each item ▶  (Finish)

### Playing the recorded video

1 MENU ▶ "Data box" ▶ "1Seg" ▶ "Video" ▶ Select a video file

## Using Music&Video Channel

Music&Video Channel is a service that automatically performs overnight downloads of programs of up to approximately one hour in length. Also, up to approximately 30 minutes of high quality video programs can also be delivered. After just configuring it once, Music&Video Channel automatically updates content, so you can always carry the latest videos and audio programs with you.

Music&Video Channel is only available in Japanese.

- For details on Music&Video Channel, refer to "Mobile Phone User's Guide [i-mode] FOMA version".

### ■ Notes on using Music&Video Channel

- Music&Video Channel requires a subscription and is a fee based service (Subscribers are also required to apply for i-mode and i-mode packet flat-rate service).
- Some programs may result in separate information charges in addition to Music&Video Channel usage charges.
- After you subscribe to the Music&Video Channel service, when inserting the UIM (FOMA card) to a Music&Video Channel-incompatible FOMA terminal, you cannot use the service. You will be charged continuously for Music&Video Channel service usage until you terminate the Music&Video Channel subscription.
- If you unsubscribe to i-mode, program data in the Downloaded program folder may be deleted.
- Programs cannot be set or retrieved during international roaming.\* Stop download service before going overseas. Restart the download service after coming back.

\*: Please note that if you try to set programs or retrieve a program during international roaming, your FOMA terminal will connect to i-mode and you will be charged for packet communications.

You can view i-mode sites or mail while playing programs with Music&Video Channel (Background playback). However, you cannot view them while playing video programs.



## Setting programs

Choose a program you want to enjoy, and the program data will be automatically downloaded overnight. You can set 2 programs at a time.

- 1  ► "CAMERA/TV/MUSIC" ►  
"Music&Video Channel" ► "Program set."
- 2 Follow the on-screen instructions to set a program



## Playing programs

- 1  ► "CAMERA/TV/MUSIC" ► "Music&Video Channel"
- 2 Select a program

You may need to add a site providing Music&Video Channel programs to My Menu before setting a program.



## Downloading Chaku-Uta-Full® from sites

- 1 Select Chaku-Uta-Full® from a Chaku-Uta-Full® downloadable site ▶ "Save" ▶ "YES"
- 2 Select a destination folder

## Playing music data

In addition to the pre-installed i-motion, you can play i-motion, movie or Chaku-Uta-Full® downloaded with i-mode Browser or Full Browser, Music&Video Channel program, or WMA files.

- 1  ▶ "Data box" ▶ Select the folder of content that you want to play
- 2 Select a folder ▶ Select a program or track

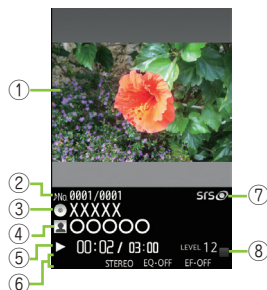


- Some programs/tracks have playback restrictions. "🕒" or "🔒" appears at the beginning of the title for the program/track with restrictions on the play count, period or time limit. The program/track whose playback period is restricted cannot be played before or after the period.
- If the battery pack is removed from the FOMA terminal for a long period of time, the data and time stored on the FOMA terminal may be reset. In this case, the track whose playback period or time limit is restricted cannot be played.



You cannot download Chaku-Uta-Full® whose size exceeds 5 MB or Chaku-Uta-Full® whose size is unknown.

## Viewing and operating Music Player screen



- ① Image
- ② Track
- ③ Title
- ④ Artist name
- ⑤ Elapsed time (minutes : seconds)/Total playback time (minutes : seconds)
- ⑥ Repeat status/Sound quality (Equalizer)/Sound effect (Effect), etc.
- ⑦ Sound effect applied
- ⑧ Volume (Level 0 to 25)

: Pause/Resume playback

: Adjust volume

: Playback from the beginning of the track. Play the previous track by pressing the key within 3 seconds from the beginning of the track

: Play the next track

(1 second or longer) : Skip backward

(1 second or longer) : Skip forward

: Stop

: Display track list

: BGM

# i-αppli/i-Widget

i-αppli are software applications that run on i-mode compatible terminals. You can automatically receive updated stock prices, weather information, etc., and play games without being connected to the network, by downloading i-αppli from i-mode sites.

i-Widget is a convenient function that allows you to use a single key  to access frequently used content (Widget Appli) such as calculator, clock and stock price information. When i-Widget screen is displayed, multiple Widget Appli may be connected to network.

- When you download i-αppli or Widget Appli, or display the i-Widget screen, packet communications charges apply.
- The packet communications charges do apply to display i-Widget screen overseas.
- For details on i-αppli and i-Widget, refer to "Mobile Phone User's Guide [i-mode] FOMA version".

## Starting i-αppli

- 1 On the standby screen,  (1 second or longer) ▶ Select a software



Software list (phone) screen

\* Shown image is an example. It may differ from the actual displays.

## Downloading applications from sites

You can download i-appli whose size does not exceed 2 MB and Widget Appli from i-mode sites.

- 1 Select an application from an i-appli/Widget Appli downloadable site ▶ "YES"



- 24 i-appli including the following are stored at the time of purchase.
  - Gガイド番組表リモコン (G-GUIDE EPG Remote Control)
  - フォト文字クリエイター (Photo text creator)
  - 音楽パズル ルミネス (LUMINES Live!)
  - i アバターメーカー (i-avatar maker) etc.
- You can delete pre-installed i-appli (excluding "iD設定アプリ" (iD appli)). Deleted i-appli can be downloaded from "みんなNらんと" (Japanese) (→ p.56).

Up to 200 applications can be stored for i-appli and Widget Appli.



## Starting Widget Appli

### 1 On the standby screen,

Select a Widget Appli



• 11 Widget Appli including the following are stored at the time of purchase.

- i アプリバンキング (i-appli Banking)
- マクドナルド トクするアプリ (McDonald's TOKUSURU KEITAI application)
- 地図アプリ (Map Application)
- 楽オク☆アプリ (Rakuoku i-appli) etc.



i-Widget screen

\* Shown image is an example. It may differ from the actual displays.

i-motion is sounds, moving pictures, etc. Download i-motion from i-motion sites to the FOMA terminal. You can download and play various movies provided on websites such as portal sites or moving picture sites.

- \* When downloading/streaming movies, the received file size may become very large. Note that packet communications charges may be high when large files such as streaming type with no file size restriction are received.
- For details on packet communications charges and billing plans, refer to "Mobile Phone User's Guide [i-mode] FOMA version".

## Downloading i-motion/movie

- 1 Select i-motion or movie from an i-motion-downloadable site (For movie, ▶ "YES")
- 2 When the i-motion or movie can be saved, "Save" ▶ "YES"  
▶ Select a folder



### ■ Download type

- Streaming type: When i-motion/movie download starts, the playback starts simultaneously.
- Standard type or Download type: When data download is finished, the "Download" screen appears, prompting you to select an option such as to play back or to save.

## Playing i-motion/movie

- 1  ▶ "Data box" ▶ "i-motion/Movie" ▶ Select a folder  
▶ Select an i-motion or movie



### ■ License (WMDRM (Windows Media digital rights management))

- Only streaming type movies can be played when they are protected by license. Download type movies are not supported.
- Some movies cannot be played depending on the license setting.

## Osaifu-Keitai/ToruCa

### ■ Osaifu-Keitai

Osaifu-Keitai is equipped with IC card and you can make payments, use coupons, take part in the "stamp rally," which enables you to receive privileges by visiting at multiple specified shops, etc. simply by holding the FOMA terminal over a reader in a shop. You can also access to i-mode sites or websites by holding the FOMA terminal over the reader, use the i-mode network to download the latest promotional coupon, add e-money credit, check usage history, etc. Enough security is provided so the Osaifu-Keitai can be used without worries.

\* To use the Osaifu-Keitai services, you need to download Osaifu-Keitai i-appli from Osaifu-Keitai site\*, and make settings.

\*:  ▶ "メニューリスト (Menu List)" ▶ "おサイフケータイ (Osaifu-Keitai)" (Japanese)

- For details on Osaifu-Keitai, refer to "Mobile Phone User's Guide [i-mode] FOMA version".
- Data (including e-money and points) stored in the IC card may happen to be erased or altered due to the malfunction of the FOMA terminal. (As a general rule, data should be deleted by the owner itself before undergoing repairs because the FOMA terminal cannot be kept remaining data.) For supports such as reissue or restore of data or temporary keeping or transferring data, contact the Osaifu-Keitai service provider except for transferring data using iC Transfer Service. For important data, please be sure to use any services supporting the backup service.
- Please be aware that DOCOMO is not responsible for disappearance and alteration of the IC card data, any monetary injuries about Osaifu-Keitai services under any circumstance such as malfunction or changing your model.
- If your FOMA terminal is stolen or lost, contact the Osaifu-Keitai service provider immediately and seek for advice.

### ■ ToruCa

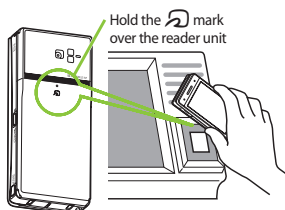
ToruCa is an electronic card that can be captured through "Osaifu-Keitai", and you can conveniently utilize it with application of flyers, restaurant cards, coupons, etc. ToruCa can be obtained from the reader, websites, or data broadcast, etc., and you can readily trade items through mail, infrared data communication, iC communication and a microSD card.

- For details on ToruCa, refer to "Mobile Phone User's Guide [i-mode] FOMA version".

## Using Osaifu-Keitai

By holding the  mark printed on the FOMA terminal over the reader unit, you can make payments with e-money or utilize as tickets.

- Even when the power is turned off, or the battery runs out, the IC card function is available by holding up the  mark up to the reader.



i-concier helps you in your daily life using a character that acts just like a butler (concierge). The service keeps your data (living area, schedules, ToruCa, Phonebook, etc.), and information is delivered timely to your mobile phone according to your living area, location and interests. Schedule information and ToruCa in the FOMA terminal are automatically updated to the latest, and useful information such as shop hours is automatically added to the Phonebook. Also, you can share schedules and images in certain groups such as your friends, family, etc. You can easily print Images kept by i-concier. Machi-chara (a character on the standby screen) gives you i-concier information on the standby screen.

i-concier is only available in Japanese.

## ■ Notes on using i-concier

- i-concier requires a subscription and is a fee based service (i-mode subscription is required).
- A non-subscriber to Data Security Service will be the subscriber to Data Security Service at the same time when subscribing to i-concier.
- In addition to i-concier monthly charges, separate information charges may apply depending on the content (information, i-schedule, etc.).
- Packet communications charges apply to receive information except some types of information.
- Detailed content will be subject to packet communications charges.
- To use i-concier overseas, "i-concier overseas use" setting is required.
- Packet communications charges apply to automatically update i-schedule/ToruCa/Phonebook.
- For details on i-concier, refer to "Mobile Phone User's Guide [i-mode] FOMA version".

## Receiving information

When you receive information, " " appears at the top of the screen.

- 1 On the standby screen ▶ Select a pop up message

## Viewing i-concier

- 1  ▶ "i-concier"



# Convenient Tools

## Using schedule

Save a schedule to notify you of the saved content with an alarm sounding at the specified date and time, a message and animation appearing.

- 1  ► "Tool" ► "Schedule" ► Select the date  
    ►  (Submenu) ► "New" ► "Schedule"
- 2 Enter each item ►  (Finish)

## Using alarm

Up to 10 alarms can be added.

- 1  ► "Tool" ► "Alarm" ► Select an alarm ►  (Edit)
- 2 Enter each item ►  (Finish)

## Using bar code reader

Use the camera to scan JAN code, QR code or CODE128.

- Up to 5 scanned data can be stored.
- Hold the FOMA terminal firmly to avoid shaking during scanning.
- When scanning bar codes, use the camera about 10 cm away from the code.

- 1  ► "Tool" ► "Bar code reader"
- 2 When the barcode is displayed in the recognition field, scanning starts automatically
- 3  (Submenu) ► "Store" ► "YES" ► "OK"



• JAN code : When you scan the JAN code shown to the right with the FOMA terminal, "4942857113068" is displayed.



• QR code : When you scan the QR code shown to the right with the FOMA terminal, "株式会社 NTT ドコモ (NTT DOCOMO, INC.)" is displayed.



• CODE128 : To scan CODE128, you need to download i-appli that support CODE128. When you scan the CODE128 shown to the right with the FOMA terminal, "NTTDOCOMO" is displayed.



## Bluetooth function

### Registering Bluetooth devices on the FOMA terminal

If the Bluetooth device you want to use has not been registered, register it. Up to 10 Bluetooth devices can be registered. If you register a Bluetooth device, leave it on registration standby beforehand.

- 1  ► "Tool" ► "Bluetooth" ► "Device list" ► "YES" ► "OK"
- 2 Select the Bluetooth device to register ► "YES" ► Enter a Bluetooth passkey ► "Set"

### Connecting Bluetooth devices

Connect registered Bluetooth devices wirelessly to make a call or listen to music.

- 1  ► "Tool" ► "Bluetooth" ► "Device list"
- 2 Select the Bluetooth device to connect ► Select a service

#### ■ To talk via headset or handsfree

Select "Headset" or "Hands-free".

#### ■ To play with an audio device

Select "Audio streaming".

#### ■ To connect with a device wirelessly, such as a Bluetooth-compatible PC

Select "Dial-up".

### Sending/receiving data by Bluetooth connection

Exchange data such as phonebook entries and received mail with other devices equipped with the Bluetooth communication function. You may not be able to transfer data depending on the other party's device.

#### ■ To send one data

- 1 On the screen of the data to send,  (Submenu) ► "Send one/Bluetooth"
- 2 Set the receiving device ready to receive ► Select a Bluetooth device ► "YES"

#### ■ To receive one data

 ► "Tool" ► "Bluetooth" ► "Receive data" ► "Receive" ► Send data from the other party's Bluetooth device ► "YES"

# Data Management

This FOMA terminal supports commercially available microSD cards of up to 2 GB and microSDHC cards of up to 16 GB (as of April, 2010).

- Make sure to format microSD card on N-07B. You may not be able to use microSD card formatted on another terminal or PC.
- Visit the following website for the latest information about supported cards such as manufacturers or capacity (in Japanese only). Note that microSD cards not listed on the website may not be operated on the FOMA terminal.

- From i-mode

• Select the desktop icon "N" (みんなNらんど) → p.21

•  ▶ "メニューリスト" ▶ "ケータイ電話メーカー" ▶ "みんなNらんど"

- From QR code

Scan the QR code shown to the right, and then select the displayed URL.

- From PC

<http://www.n-keitai.com/>

Note that information described on the website is only the result of the operation check and does not guarantee all operations.

- Turn off the power before installing or removing a microSD card.
- Do not put a label or sticker on a microSD card.
- Keep a backup copy of data stored in a microSD card. Please be aware that DOCOMO is not responsible for any damages the subscriber may incur due to the card data being deleted, erased, or altered.

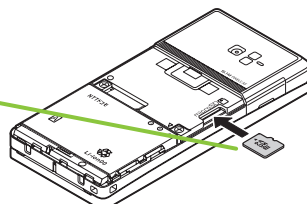


## Using microSD card

### Installing/removing microSD card

- 1 Remove the back cover
- 2 Insert a microSD card into the microSD card slot and push it until it locks into the place  
Insert the microSD card straight and slowly with the metal contacts side down. When fully inserted, the card is locked in the place.
- 3 Attach the back cover

When you turn on the power after inserting the microSD card,  appears.



- To remove the microSD card, push it in and release. The card pops up slightly. Note that the card may fly out of the slot. Grip the groove of the microSD card and slowly pull the card out.

## Formatting microSD card

Note that all data in the microSD card will be deleted when you format it.

- 1  ▶ "Tool" ▶ "microSD" ▶ "Refer microSD data"  
▶  (Submenu) ▶ "microSD format"
- 2 Enter your security code ▶ "YES"

## Viewing data in the microSD card

< Example: To display schedule >

- 1  ▶ "Tool" ▶ "microSD" ▶ "Refer microSD data"
- 2 "Schedule" ▶ Select a file ▶ Select data

## Copying the FOMA terminal data to the microSD card

- 1 On a list screen of data (Phonebook list screen, etc.),  
 (Submenu) ▶ "Copy to microSD" ▶ Select a copying method

## Copying the microSD card data to the FOMA terminal

- 1 On a list screen of data (Schedule list screen, etc.),  
 (Submenu) ▶ "Add to phone" or "OVR to phone"
- 2 Select a copying method ▶ Enter your security code ▶ "YES"

## Backing up data to the microSD card

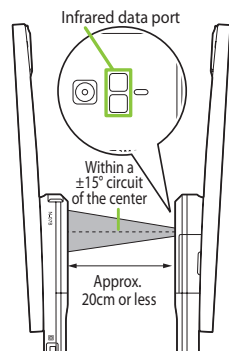
Note that, if backup data exists in the microSD card, the data will be overwritten.

- 1  ▶ "Tool" ▶ "microSD" ▶ "Backup/Restore"  
▶ "Backup to microSD"
- 2 Enter your security code ▶ "YES"

## Sending/receiving data by infrared communication

Exchange data such as phonebook entries and received mail with other devices equipped with the infrared data exchange.

- Set the other party's device to receiving status.
- You may not be able to transfer data depending on the other party's device.
- This FOMA terminal conforms to the IrMC™ 1.1 standard.



### ■ To send one data

- 1 On the screen of the data to send,  (Submenu) ▶ "Send Ir data"
- 2 Direct the infrared data port toward the other party's devices ▶ "YES"

### ■ To receive one data

 ▶ "Tool" ▶ "Receive Ir data" ▶ "Receive" ▶ Direct the infrared data port toward the other party's device ▶ Upon completion of reception, "YES"

## Sending/receiving data by iC communication

iC communication is a function that allows you to send or receive data such as phonebook entries to or from other FOMA terminals just by overlapping the FOMA terminals.

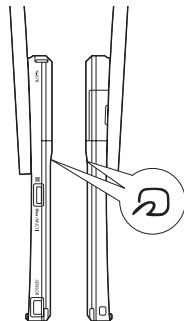
- You may not be able to transfer data depending on the other party's device.

### ■ To send one data

- 1 On the screen of the data to send,  (Submenu) ▶ "iC transmission"
- 2 Put your  mark close to the other party's FOMA terminal ▶ "YES"

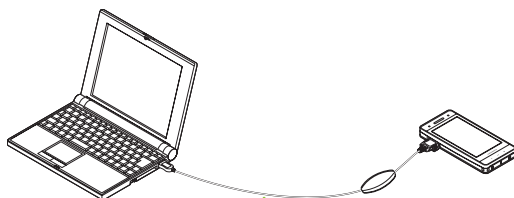
### ■ To receive one data

Put your  mark close to the other party's FOMA terminal ▶ Perform data transmission on the other party's FOMA terminal.



## Connecting to PC

You can transfer WMA files, images, etc. to/from a microSD card by connecting the FOMA terminal to a PC. Also, you can perform data communication by accessing to Internet.



FOMA USB Cable with Charge Function 02



- The FOMA USB Cable with Charge Function 02 (optional) or FOMA USB Cable (optional) is required.
- To transfer data, you need to install the FOMA communication setting file from the bundled CD-ROM. For details, refer to the "Manual for PC Connection" in the CD-ROM.

## Troubleshooting

- Check if your FOMA terminal needs an update, and if necessary, update the required software. (→ p.84)
- If you are still unable to identify the problem after checking the points, please contact Repairs on the last page of this manual (in Japanese only) or a repair counter designated by DOCOMO.

### The power does not turn on

- Is the battery pack properly attached? → p.16
- Has the battery run out? → p.17

### Cannot charge the battery (The charge lamp flashes/does not light up)

- Is the battery pack properly attached to the FOMA terminal? → p.16
- Is the adapter correctly plugged into the power outlet or cigarette lighter socket? → p.17
- Are the adapter and the FOMA terminal correctly connected? (Is the AC adapter firmly connected to the FOMA terminal or the desktop holder (optional)?) → p.17
- Are the charging terminals of the FOMA terminal dirty when the desktop holder is used? When soiled, wipe with dry cloth or cotton swab. → p.17
- The temperature of the FOMA terminal may rise then the charging lamp may turn off or flash if used for a long time while being charged. In this case, wait for the temperature to go down, then charge again. → p.17
- Charging may interrupt depending on the usage condition. Exit all running functions and then charge again.

### The phone becomes hot during operation/battery charge

- During operation, during battery charge, or if you use i-α ppli or videophone or watch 1Seg programs for a long time while charging, the temperature of the FOMA terminal, battery pack or adapter may rise. This is not a problem. Keep using it.

### Battery life is very short

- Do you often use your phone outside the service area or where the signal is weak? In a place where the signal is weak, the terminal searches the radio waves for communication and the battery is consumed more quickly.
- The available operating time of the battery pack depends on the conditions of usage and degraded degree of battery pack.
- The battery pack is consumable. The operation time for battery packs steadily decreases with each charge. When the operating time has become extremely short even though the battery pack has been fully recharged, please purchase a new battery pack.

### The power is turned off or turned back on suddenly

- Soiled connectors of the battery pack may result in poor connections and loss of power. When soiled, wipe with dry cloth or cotton swab.

### Key/Touch sensor operations are not available

- If you bring the FOMA terminal near magnetic products, you may not be able to perform correct key operations. Keep the FOMA terminal away from magnetism.
- Is Dial lock/Omakase Lock set? → p.38
- Is Keypad lock set? → p.38
- Is the Touch sensor setting set to "OFF"? → p.33
- Is the Touch sensor disabled?

### A UIM (FOMA card) cannot be recognized

- Is the UIM (FOMA card) inserted correctly into your phone? → p.16
- Have you inserted a blue UIM? → p.16

### Cannot make a call by pressing the dial keys

- Is Original lock for "Keypad dial" under "Dial/sending mail" set? → p.38
- Is Keypad lock set? → p.38
- Is Restrict dialing set?
- Is Dial lock set? → p.38
- Is Self mode set?

### Calls cannot be made or received

- Reboot the power, or remove the battery or UIM (FOMA card) then insert it again.
- Depending on the signal quality, you may not be able to make or receive calls even if the signal strength icon shows "T" - "T". Move to a location with a stronger signal and try again.
- Is Call rejection, Call acceptance, or another restriction applied?
- Depending on the network congestion, you may have difficulty talking or mailing in crowded places. In this case, you see the message "Please wait" and hear the busy tone. Move to a location and try again, or perform the operation later.

### Osaifu-Keitai cannot be used

- Are you holding the  mark of the FOMA terminal over a reader unit?
- Is IC card lock/Dial lock/Omakase Lock set?
- When the battery pack is removed, the IC card function cannot be used.

## Warranty and After-Sales Service

### Warranty

- Make sure that a warranty is included when you purchase the FOMA terminal. Check the content, information about "販売店名・お買い上げ日" (the shop, date of purchase), etc. Keep the warranty card in a safe place. If the warranty card does not contain necessary information, immediately contact the shop and request them to fill in the card. The warranty is valid for one year from the date of purchase written on the warranty.
- The product in whole or in part, including its accessories, is subject to improvement without notice.

### After-sales service

#### ● If your FOMA terminal needs repairs

Before having your FOMA terminal repaired, see "Troubleshooting" in this manual or in "使いかたガイド (Guide)" (Japanese) that is installed in FOMA terminal. If you still have problems, please contact Repairs on the last page of the manual (in Japanese only).

#### ● If, after contacting DOCOMO, you are informed that your FOMA terminal needs repairs

Bring it to a repair counter designated by DOCOMO. The repair counter is only open during business hours. Do not forget to bring the warranty card with you. Depending on the malfunction, repairs may take some time.

- Within the warranty period
  - Repairs will be made free of charge based on the provisions of the warranty.
  - Bring the warranty card when requesting repairs. Charges will apply even when the FOMA terminal is still under warranty if the warranty card is not submitted, or if malfunction or damage (damage on the LCD screen, connector, etc.) is the result of mishandling by the subscriber.
  - Charges will apply even within the warranty period for repairs resulting from use of devices and accessories not specified by DOCOMO.
- Repairs may not be possible in the following circumstances:
  - Repairs Inquiries detect water exposure (Example : the water exposure detection sticker detects water exposure)
  - Tests determine that corrosion has occurred due to water exposure, condensation, perspiration, etc. or the circuit board has been damaged or altered (the external connector, liquid crystal, case, etc. has been damaged)
  - \* These cases are not covered by the warranty, and any repairs that may be possible will be carried out at the subscriber's expense.
- After the warranty has expired
  - Repairs can be carried out upon request but at the subscriber's expense.
- Stock period of parts
  - Functional parts (required to maintain phone operation) will be kept in stock for a minimum of 6 years after the product is discontinued. Depending on the malfunction, parts shortage and other conditions may mean that the FOMA terminal cannot be repaired.

- **Do not attempt to modify the FOMA terminal or accessories.**
  - Requests for repair of the modified FOMA terminal may be rejected. The following may be regarded as modifications :
    - Put stickers, etc. on the LCD or keys
    - Decorate the FOMA terminal using adhesives, etc.
    - Replace the external parts, etc. with non-DOCOMO components
  - If malfunction or damage occurs as a result of modification, charges will apply even if the FOMA terminal is still under warranty.
- **Do not remove the manufacturer's specification sticker put on the FOMA terminal.**

If the content of the sticker cannot be confirmed, determination of whether technical standard is satisfied cannot be made. Thus, requests for repair may be rejected.
- **The settings of the functions or the information about total time may be cleared (reset) due to the damage, repair or improper use of the FOMA terminal. In this case, configure the settings again.**
- **Magnetic components are used for the following parts of the FOMA terminal. A cash card (ATM card, bank card), etc. which is easily affected by magnetism, may become unusable if it is kept close to the components:**

Parts: Earpiece/Speaker and right side of the Touch sensor (■)
- **If your FOMA terminal gets wet or moist, immediately turn it off, remove the battery pack, and bring the FOMA terminal to a repair counter as soon as possible. Note that repairs may not be possible depending on the condition.**

### i-mode fault diagnosis site

The service lets you check if your FOMA terminal's i-mode is working correctly for operations such as sending/receiving mail, and downloading images/ring tones. When there seems to be a malfunction as a result of checking, please contact Repairs on the last page of this manual (in Japanese only).

- Packet communications charges do not apply to use i-mode fault diagnosis.
- Charges will apply if using the service from overseas.

### ■ Connecting to "i-mode fault diagnosis site" (Japanese)

☐ ▶ "お知らせ (News)" ▶ "サービス・機能 (Services/Functions)" ▶ "i モード (i-mode)" ▶ "i モード故障診断 (i-mode fault diagnosis)"



QR code to access the site

## Software update

This function checks if your FOMA terminal needs an update, and, if necessary, download and update the required software via packet communications.

\* Packet communications charges do not apply to perform software updates.

The latest information regarding software updates can be viewed on the NTT DOCOMO websites or in "お客様サポート" (Customer Support) (in Japanese only) of iMenu. Software may be updated in the following three methods: "Auto-update", "Now update" and "Reserved update".

- It is possible to perform software updates while keeping your Phonebook entries, camera images, downloaded data and other data saved on the FOMA terminal intact. However, note that in some cases data cannot be protected depending on the condition of your FOMA terminal (malfunction, damage, water exposure, etc.). It is recommended that you back up necessary data. Please note that it may not be possible to back up some data such as downloaded data.

### ■ Note

- Never remove the battery pack while updating software. Doing so may cause the update to fail.
- Charge the battery fully before updating software.
- Software updates (downloading and rewriting) may take time.
- While software is being updated, functions such as making calls, receiving calls or communication functions, and other functions are not available (While downloading, voice calls can be answered).
- It is recommended that you perform software updates when the FOMA terminal is stationary and in a location with good signal quality (three bars for the antenna icon). If the reception becomes poor and then the download is interrupted, try to update again in a location with good signal quality.
- When software is updated, the unique information (model, serial number, etc.) of your FOMA terminal is automatically transmitted to the server at DOCOMO. We do not use the transmitted information for any purposes other than Software Update.
- If the update fails, the message "Rewrite failed" will appear and all operations will become unavailable. In this case, please seek advice at a repair counter designated by DOCOMO.
- Software update function is not available overseas.

## Running software update by selecting the Icon

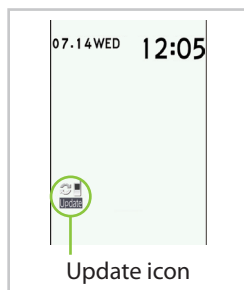
Select the icon  (Update icon) on the standby screen to update software.

1 Select the Update icons ► "Yes"

2 Enter your security code

Your FOMA terminal is checked if it needs an update.

3 The check result appear



### ■ When "Update is needed" appears

To download the software immediately, select "Now update".

To update later, select "Reserve" and then specify the date and time to update.

### ■ When "No update is needed Please continue to use as before" appears

Continue using the FOMA terminal.

## Running software update from the menu

Update Software from the menu.

1  ► "Setting" ► "Other setting" ► "Software Update"

2 Enter your security code ► "Update"

Your FOMA terminal is checked if it needs an update.

Go to step 3 in "Running software update by selecting the Icon".

## Check harmful data

Delete harmful data and prevent harmful applications from launching by scanning and detecting problems in files imported to the FOMA terminal.

- The Scanning function prevents the data that causes some fault from invading your FOMA terminal when viewing sites and websites or receiving mail. If pattern data for a failure is not downloaded to the FOMA terminal, or if pattern data for certain failure does not exist, it may be impossible to delete the harmful data using this function.
- The pattern data is specific to a certain model of FOMA terminal. Therefore, DOCOMO may stop distributing pattern data for a model 3 years after the model is first released.

### Updating pattern data

First, update the pattern data.

- 1  ► "Setting" ► "Lock/Security" ► "Scanning function" ► "Update"
- 2 "YES" ► "YES"

### Scanning results display

#### Scanned problems display

Following problems  
were detected  
Problem element1  
Problem element2  
Problem element3  
Problem element4  
Problem element5  
Other:xxxx  


A list of up to 5 problems detected by the Scanning function appears, starting with the highest-level problem.

If 6 or more problems were detected, the names of the 6th and subsequent problems are omitted.

#### Scanning results display

| Warning level 0                | Warning level 1                                                        | Warning level 2                                       | Warning level 3                                                                          | Warning level 4                                 |
|--------------------------------|------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------|
| Operation may not run properly | Operation may not run properly<br>Cancel operation?                    | Operation may not run properly<br>Canceling operation | Operation may not run properly<br>Delete data?                                           | Operation may not run properly<br>Deleting data |
| (OK) : Continue the operation  | (YES) : Stop and cancel the operation<br>(NO) : Continue the operation | (OK) : Stop and cancel the operation                  | (YES) : Delete the data and cancel the operation<br>(NO) : Stop and cancel the operation | (OK) : Delete the data and cancel the operation |

## Introduction of options and related devices

By combining various options and accessories sold separately, your FOMA terminal can support a wide range of applications to meet both your personal and professional needs. Note that some products may not be available depending on the area you are in. For more information, contact a docomo Shop or Service Counter. For details of options and accessories, refer to relevant User's Manual.

- Earphone/Microphone 01
- Stereo Earphone/Microphone 01
- Earphone Plug Adapter 01
- Earphone/Microphone with Switch P001<sup>\*1</sup>/P002<sup>\*1</sup>
- Stereo Earphone Set P001<sup>\*1</sup>
- Earphone Plug Adapter P001
- Flat-plug Earphone/Microphone with Switch P01<sup>\*2</sup>/P02<sup>\*2</sup>
- Flat-plug Stereo Earphone Set P01<sup>\*2</sup>
- Bluetooth Headset F01<sup>\*3</sup>
- AC Adapter F01 for Bluetooth Headset
- Wireless Earphone Set P01/02
- Bone Conduction Microphone/Receiver 01<sup>\*2</sup>/02
- FOMA USB Cable<sup>\*4</sup>
- FOMA AC Adapter 01<sup>\*5</sup>/02<sup>\*5</sup>
- FOMA Dry Battery Adapter 01
- Carry Case S 01
- FOMA USB Cable with Charge Function 02<sup>\*4</sup>
- FOMA Portable Charging Adapter 01
- In-Car Hands-Free Kit 01<sup>\*6</sup>
- FOMA In-Car Hands-Free Cable 01
- Data Communications Adapter N01
- FOMA Indoor Booster Antenna<sup>\*7</sup>
- FOMA Indoor Booster Antenna (Stand Type)<sup>\*7</sup>
- In-Car Holder 01<sup>\*8</sup>
- FOMA AC Adapter 01 for Global use<sup>\*5</sup>
- FOMA DC Adapter 01/02
- Earphone Plug Adapter 01 for External connector terminal
- Desktop Holder N29
- Battery Pack N24
- Back Cover N47

\*1 : To connect to N-07B, the Earphone Plug Adapter P001 or Earphone Plug Adapter 01 for External connector terminal is required.

\*2 : To connect to N-07B, the Earphone Plug Adapter 01 for External connector terminal is required.

\*3 : The AC Adapter F01 for Bluetooth Headset is required.

\*4 : May not work correctly when connected to a USB HUB.

\*5 : Charging with the AC adapter → p.17

\*6 : To charge N-07B, the FOMA In-Car Hands-Free Cable 01 is required.

\*7 : Use in Japan only.

\*8 : To attach N-07B to the In-Car Holder, attach to the 5th position shown in ② listed in "In-Car Holder 01 Manual".

# Appendix

## Menu list

settings are reset to default by "Reset settings".

- Some functions that cannot be reset to default settings (or default states) may be included in settings.

| Main item | Sub item              | Branch item            |
|-----------|-----------------------|------------------------|
| Mail      | Inbox                 |                        |
|           | Outbox                |                        |
|           | Draft                 |                        |
|           | Mail history box      |                        |
|           | Compose new message   |                        |
|           | Create new Deco-Anime |                        |
|           | Decome-Template       |                        |
|           | Compose new SMS       |                        |
|           | Check mail/message    |                        |
|           | Check new SMS         |                        |
|           | Receive option        |                        |
|           | Mail setting          | Receive setting        |
|           |                       | Display setting        |
|           |                       | Signature setting      |
|           |                       | Phrases/Store word     |
|           |                       | Mail box lock          |
|           |                       | Set check mail/message |
|           |                       | Reply format setting   |
|           |                       | Address/Spam Mail Set. |
|           |                       | Auto save setting      |
|           |                       | Read out setting       |
|           |                       | Emotion/Keyword        |
|           |                       | SMS setting            |
|           |                       | Area Mail setting      |
|           |                       | Check settings         |
|           |                       | Reset                  |
| mode/web  | Menu/Search           |                        |
|           |                       |                        |
|           |                       |                        |
|           |                       |                        |
|           |                       |                        |
|           | Screen Memo           |                        |
|           |                       |                        |
|           |                       |                        |
|           | Browser history       |                        |
|           |                       |                        |
|           | Enter URL             |                        |
|           |                       |                        |
|           | i-Channel             | i-Channel list         |
|           |                       | Ticker display setting |
|           |                       | Reset i-Channel        |
|           | mode/web setting      | mode Browser Set.      |
|           |                       | Full Browser Settings  |
|           |                       | Common Settings        |
|           |                       | Check Settings         |
|           |                       | Reset mode set.        |
|           | One-touch mlt win.    |                        |
|           | Full Browser Home     |                        |

| Main item                                                                           | Sub item                                                                                            | Branch item                                                                                          |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|  ppli | Software list(phone)                                                                                |                                                                                                      |
|                                                                                     |  ppli(microSD)     |                                                                                                      |
|                                                                                     | i-  ppli call logs |                                                                                                      |
|                                                                                     |  ppli run info     |                                                                                                      |
|                                                                                     |  ppli setting      | Auto-start setting                                                                                   |
|                                                                                     |                                                                                                     | Disp. software info                                                                                  |
|                                                                                     |                                                                                                     | i-Widget overseas use                                                                                |
|                                                                                     |                                                                                                     | i-Widget sound effect                                                                                |
|                                                                                     |                                                                                                     |  ppli call settings |
|                                                                                     |                                                                                                     |  ppli volume        |
|                                                                                     |                                                                                                     | Preferred tone                                                                                       |
|                                                                                     |                                                                                                     |  Backlight          |
|                                                                                     |                                                                                                     |  Power saver        |
|                                                                                     |                                                                                                     |  Vibrator           |
| CAMERA/TV/MUSIC                                                                     | Camera                                                                                              | Check settings                                                                                       |
|                                                                                     |                                                                                                     | Still image shooting                                                                                 |
|                                                                                     |                                                                                                     | Movie shooting                                                                                       |
|                                                                                     |                                                                                                     | Art photo mode                                                                                       |
|                                                                                     |                                                                                                     | Medias viewer                                                                                        |
|                                                                                     | 1Seg                                                                                                | Activate 1Seg                                                                                        |
|                                                                                     |                                                                                                     | Program guide                                                                                        |
|                                                                                     |                                                                                                     | TV timer list                                                                                        |
|                                                                                     |                                                                                                     | Timer recording list                                                                                 |
|                                                                                     |                                                                                                     | Recording result                                                                                     |
|                                                                                     |                                                                                                     | TVlink                                                                                               |
|                                                                                     |                                                                                                     | Channel list                                                                                         |
|                                                                                     |                                                                                                     | Channel setting                                                                                      |
|                                                                                     |                                                                                                     | User setting                                                                                         |
|                                                                                     | MUSIC Player                                                                                        |                                                                                                      |
|                                                                                     | Music&Video Channel                                                                                 |                                                                                                      |
| Data box                                                                            | My picture                                                                                          |                                                                                                      |
|                                                                                     | MUSIC                                                                                               |                                                                                                      |
|                                                                                     | Music&Video Channel                                                                                 |                                                                                                      |
|                                                                                     |  motion/Movie      |                                                                                                      |
|                                                                                     | Melody                                                                                              |                                                                                                      |
|                                                                                     | My document                                                                                         |                                                                                                      |
|                                                                                     | Kisekae Tool                                                                                        |                                                                                                      |
|                                                                                     | Machi-chara                                                                                         |                                                                                                      |
|                                                                                     | Chara-den                                                                                           |                                                                                                      |
|                                                                                     | 1Seg                                                                                                |                                                                                                      |
|                                                                                     | Document viewer                                                                                     |                                                                                                      |
|                                                                                     | SD other files                                                                                      |                                                                                                      |
| Tool                                                                                | Bar code reader                                                                                     |                                                                                                      |
|                                                                                     | Calculator                                                                                          |                                                                                                      |
|                                                                                     | Alarm                                                                                               |                                                                                                      |
|                                                                                     | Receive Ir data                                                                                     |                                                                                                      |
|                                                                                     | Schedule                                                                                            |                                                                                                      |
|                                                                                     | Note                                                                                                |                                                                                                      |
|                                                                                     | ToDo                                                                                                |                                                                                                      |
|                                                                                     | Data Security Service                                                                               |                                                                                                      |
|                                                                                     | microSD                                                                                             |                                                                                                      |
|                                                                                     | Enjoy Exercise                                                                                      |                                                                                                      |
|                                                                                     | Medias viewer                                                                                       |                                                                                                      |
|                                                                                     | Life history viewer                                                                                 |                                                                                                      |
|                                                                                     | Guide                                                                                               |                                                                                                      |

| Main item    | Sub item             | Branch item            |
|--------------|----------------------|------------------------|
| Tool         | Voice recorder       |                        |
|              | Bluetooth            |                        |
|              | Voice announce       |                        |
|              | Dictionary           |                        |
|              | DL Dictionary        |                        |
|              | Phrases/Store word   | Common phrases         |
|              |                      | Store word             |
| TEL function | Contact DOCOMO       |                        |
|              | Phonebook            | Search phonebook       |
|              |                      | Add to phonebook       |
|              |                      | UIM operation          |
|              |                      | Phonebook set./Check   |
|              |                      | Forwarding image       |
|              |                      | Choku-Den              |
|              | Rec. msg./Voice memo | Play/Erase msg.        |
|              |                      | Play/Erase VP msg.     |
|              |                      | Record voice memo      |
|              |                      | Record message setting |
|              | Dialed/Received call | Dialed calls           |
|              |                      | Received calls         |
|              |                      | Redial                 |
|              | Dial/Receive setting | Nuis. call blocking    |
|              |                      | Caller ID request      |
|              |                      | Caller ID notification |
|              |                      | Arrival call act       |
|              |                      | Dial call setting      |
|              |                      | Receive call setting   |
|              |                      | In-call setting        |
|              |                      | Headset function set.  |
|              |                      | Call rejection set.    |
|              | Videophone setting   | Visual preference      |
|              |                      | Select image           |
|              |                      | Auto redial as voice   |
|              |                      | Ntfy switch-mode       |
|              |                      | Hands-free switch      |
|              | Call duration/charge | V.phone while packet   |
|              |                      | Call duration/charge   |
|              |                      | Notify cost limit      |
|              |                      | Reset total            |
|              | Chaku-moji           | Auto reset             |
|              |                      |                        |
|              |                      |                        |
|              |                      |                        |
|              | 2in1                 |                        |
|              | Melody call          |                        |
|              | Voice mail service   |                        |
|              | Other network serv.  | Call forwarding        |
|              |                      | Call waiting           |
|              |                      | English guidance       |
|              |                      | Remote access          |
|              |                      | Multi Number           |
|              |                      | Dual network           |
|              |                      | Additional service     |
|              |                      | OFFICEED               |

| Main item | Sub item            | Branch item           |
|-----------|---------------------|-----------------------|
| Setting   | Screen/Display      | Kisekae Tool setting  |
|           |                     | Stand-by display      |
|           |                     | Color theme setting   |
|           |                     | Each display setting  |
|           |                     | Machi-chara setting   |
|           |                     | Soft key              |
|           |                     | Original menu         |
|           |                     | Menu display set      |
|           |                     | Viewer settings       |
|           |                     | Icons                 |
|           |                     | Icons setting         |
|           |                     | Privacy angle         |
|           |                     | Display on charge     |
|           |                     | Image display mode    |
|           |                     | Quick Info setting    |
|           |                     | Information display   |
|           | Sound/Vib./Manner   | Ring volume           |
|           |                     | Select ring tone      |
|           |                     | Other sound setting   |
|           |                     | Vibrator setting      |
|           |                     | Manner mode setting   |
|           |                     | Stereo&3D sound       |
|           | Backlight/Illum.    | Backlight             |
|           |                     | Illumination setting  |
|           | Text display/input  | Font                  |
|           |                     | Character input set   |
|           |                     | バイリンガル                |
|           | Time                | Set main time         |
|           |                     | Set sub clock         |
|           |                     | Clock display         |
|           |                     | Auto power ON         |
|           |                     | Auto power OFF        |
|           | Lock/Security       | Lock                  |
|           |                     | Keypad lock           |
|           |                     | Secret mode           |
|           |                     | Secret data only mode |
|           |                     | Call rejection set.   |
|           |                     | Change security code  |
|           |                     | IC card authentic.    |
|           |                     | PIN setting           |
|           | Slide-style setting | Scanning function     |
|           |                     | Setting when opened   |
|           |                     | Setting when folded   |
|           |                     | Slide sound           |
|           |                     | Backlight when closed |
|           |                     | Motion Access Set.    |
|           | Battery             | Battery level         |
|           | External connection | USB mode              |
|           |                     | Bluetooth             |
|           |                     | Headset microphone    |
|           |                     | Femtocell             |

| Main item          | Sub item             | Branch item            |
|--------------------|----------------------|------------------------|
| Setting            | Other setting        | Cam-button setting     |
|                    |                      | Touch sensor setting   |
|                    |                      | Auto-change Screen     |
|                    |                      | Alarm setting          |
|                    |                      | Self mode              |
|                    |                      | Reset settings         |
|                    |                      | Initialize             |
|                    |                      | Software Update        |
| Quick search URL   |                      |                        |
| Map/Overseas       | Map                  |                        |
|                    | imadoco search       | imadoco kantan search  |
|                    |                      | imadoco search         |
|                    | i-area               |                        |
|                    | Overseas NW search   | 3G/GSM setting         |
|                    |                      | Network search setting |
|                    |                      | PLMN setting           |
|                    |                      | Display operator name  |
|                    |                      | Display area status    |
|                    | Overseas setting     | Inquiries(overseas)    |
|                    |                      | Bar incoming when roam |
|                    |                      | Missed Call Notice     |
|                    |                      | Roaming guidance       |
|                    |                      | Int'l dial assistance  |
|                    |                      | mode service set.      |
|                    |                      | Mail/Message usage set |
| Network service    |                      |                        |
| Overseas use guide |                      |                        |
| i-concier          |                      |                        |
| Profile            |                      |                        |
| Osaifu-Keitai      | IC card content      |                        |
|                    | DCMX                 |                        |
|                    | ToruCa               |                        |
|                    | IC card lock setting | IC card lock           |
|                    |                      | IC lock(power-off)     |
|                    | Setting              | ToruCa settings        |
|                    |                      | Receive ToruCa         |
|                    |                      | IC card notice set     |
|                    | Check IC owner       |                        |
|                    | Change IC owner      |                        |
| Search by mode     |                      |                        |

# Main specifications

## Phone

|                         |                                  |                                                                                                                          |                                                                                                                                                                                                                                     |
|-------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name            |                                  | N-07B                                                                                                                    |                                                                                                                                                                                                                                     |
| Size (When closed)      |                                  | Height approx. 109 mm x Width approx. 51 mm x Thickness approx. 13.6 mm (Thickest : Approx. 14.7 mm)                     |                                                                                                                                                                                                                                     |
| Weight                  |                                  | Approx. 121 g (Battery attached)                                                                                         |                                                                                                                                                                                                                                     |
| Continuous standby time |                                  | [FOMA/3G]                                                                                                                | Stationary ("Auto" <sup>*)</sup> : Approx. 760 hours<br>In transit ("3G" <sup>*)</sup> : Approx. 530 hours<br>In transit ("Auto" <sup>*)</sup> : Approx. 480 hours<br>[GSM]<br>Stationary ("Auto" <sup>*)</sup> : Approx. 350 hours |
| Continuous talk time    |                                  | [FOMA/3G]                                                                                                                | Voice call : Approx. 240 min.<br>Videophone : Approx. 130 min.                                                                                                                                                                      |
|                         |                                  | [GSM]                                                                                                                    | Voice call : Approx. 250 min.                                                                                                                                                                                                       |
| Charging time           |                                  | AC Adapter : Approx. 150 min. DC Adapter: Approx. 150 min.                                                               |                                                                                                                                                                                                                                     |
| LCD                     | Type                             | LTPS TFT 16,777,216 colors                                                                                               |                                                                                                                                                                                                                                     |
|                         | Size                             | Approx. 3.3 inches                                                                                                       |                                                                                                                                                                                                                                     |
|                         | Resolution                       | 409,920 pixels (480 x 854 dots)                                                                                          |                                                                                                                                                                                                                                     |
| Image sensor            | Type                             | CMOS                                                                                                                     |                                                                                                                                                                                                                                     |
|                         | Size                             | 1/4.0 inches                                                                                                             |                                                                                                                                                                                                                                     |
|                         | Effective pixels                 | Approx. 5.1 mill. pixels                                                                                                 |                                                                                                                                                                                                                                     |
| Camera                  | Maximum recorded pixels          | Approx. 5 mill. pixels                                                                                                   |                                                                                                                                                                                                                                     |
|                         | Digital zoom                     | Up to approx. 13.5 x                                                                                                     |                                                                                                                                                                                                                                     |
| Record                  | No. of photos that can be stored | Up to approx. 1,800 <sup>*2</sup>                                                                                        |                                                                                                                                                                                                                                     |
|                         | Continuous shooting              | 4 – 20 <sup>*3</sup>                                                                                                     |                                                                                                                                                                                                                                     |
|                         | Photo file format                | JPEG                                                                                                                     |                                                                                                                                                                                                                                     |
|                         | Moving picture recording time    | When saved to Phone : Approx. 220 sec. <sup>*4</sup><br>When saved to 2 GB microSD card : Approx. 120 min. <sup>*4</sup> |                                                                                                                                                                                                                                     |
|                         | Moving picture file format       | MP4                                                                                                                      |                                                                                                                                                                                                                                     |
|                         | 1Seg recording time              | When saved to 2 GB microSD card : Approx. 640 min. (Total) <sup>*5</sup>                                                 |                                                                                                                                                                                                                                     |
| Music playback          | Continuous playback time         | i-motion                                                                                                                 | Approx. 400 min. <sup>*6</sup>                                                                                                                                                                                                      |
|                         |                                  | Chaku-Uta-Full®                                                                                                          | Approx. 1,920 min. <sup>*6*7</sup>                                                                                                                                                                                                  |
|                         |                                  | SD-Audio                                                                                                                 | Approx. 1,920 min. <sup>*6*7</sup>                                                                                                                                                                                                  |
|                         |                                  | Windows Media Audio (WMA) file                                                                                           | Approx. 1,920 min. <sup>*7</sup>                                                                                                                                                                                                    |
|                         |                                  | Music&Video Channel                                                                                                      | Approx. 1,980 min. (Audio) <sup>*7</sup><br>Approx. 280 min. (Video)                                                                                                                                                                |
| Capacity                | Chaku-Uta®/Chaku-Uta-Full®       | Approx. 195 MB <sup>*8*9</sup>                                                                                           |                                                                                                                                                                                                                                     |

\*1 : Switch networks in "3G/GSM setting".

\*2 : Select size = QVGA (320 x 240), Quality setting = Fine (File size = 25 KB)

\*3 : Varies depending on the image size.

\*4 : Recording time for 1 item under the following conditions:

<Phone>

Select size = QCIF (176 x 144), Quality setting = Normal, File size setting = 2MB, Movie type set = Normal

<2 GB microSD card>

Select size = QCIF (176 x 144), Quality setting = Normal, File size = Long time, Movie type set = Normal

\*5 : Varies depending on the broadcaster and program.

\*6 : File format = AAC

\*7 : Background playback supported

\*8 : Up to approx. 10 MB capacity is separately prepared for the Secret folder.

\*9 : Shared with images, i-motion, Melody, PDF data, Screen memo, Music, Music&Video Channel, Kisekai Tool, Machi-chara, Internet movies, ToruCa and i-appli

## Battery pack

|              |                  |         |         |
|--------------|------------------|---------|---------|
| Product name | Battery Pack N24 | Voltage | DC 3.8V |
| Battery type | Lithium-ion      | Current | 960 mAh |

## Numbers of saved/registered/protected items in the FOMA terminal

| Item                |                 | Store/Register                                     | Protect                  |
|---------------------|-----------------|----------------------------------------------------|--------------------------|
| Phonebook           |                 | 1,000 max. <sup>*1</sup>                           | -                        |
| 1Seg                | TV link         | 50                                                 | -                        |
|                     | TV timer        | 100                                                | -                        |
|                     | Timer recording | 100                                                | -                        |
| Schedule            | Schedule        | 2,500 <sup>*2</sup>                                | -                        |
|                     | Holiday         | 100                                                | -                        |
| Mail (SMS + i-mode) | Received mail   | 2,500 max. <sup>*3*4*5*6</sup>                     | 2,500 max. <sup>*3</sup> |
|                     | Sent mail       | 1,000 max. <sup>*3*4*5</sup>                       | 500 max. <sup>*3</sup>   |
|                     | Draft mail      | 200 max. <sup>*3</sup>                             | -                        |
| i-appli             |                 | 200 max. <sup>*3</sup> (5 for mail-linked i-appli) | -                        |
| Image               |                 | 3,500 max. <sup>*3*7*8</sup>                       | -                        |
| Movie/i-motion      |                 | 3,500 max. <sup>*3*7*9</sup>                       | -                        |
| Kisekai Tool        |                 | 3,500 max. <sup>*3*7</sup>                         | -                        |
| Chaku-Uta-Full®     |                 | Approx. 65 <sup>*3</sup>                           | -                        |

\*1 : Up to 50 data can be stored in a UIM (FOMA card).

\*2 : Includes i-schedule.

\*3 : Actual storable/registerable/protectable counts may be decreased depending on the data size.

\*4 : Up to 20 more received or sent SMS can be additionally stored in a UIM (FOMA card).

\*5 : Up to 100 data can be additionally stored in the Secret Folder.

\*6 : Includes "Welcome  ドコモ web メール  (Welcome docomo web mail) (Japanese) in the "Inbox" mail folder.

\*7 : Includes pre-installed data.

\*8 : Up to 250 data can be additionally stored in the Secret Folder.

\*9 : Up to 10 data can be additionally stored in the Secret Folder.

## Specific absorption rate (SAR) of mobile phone, etc.

### Specific absorption rate (SAR) of mobile phone

This model phone FOMA N-07B meets the MIC's technical regulation for exposure to radio waves. The technical regulation established permitted levels of radio frequency energy, based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The regulation employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit is 2 watts/kilogram (W/kg)\* averaged over ten grams of tissue. The limit includes a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The value of the limit is equal to the international guidelines recommended by ICNIRP.

All phone models should be confirmed to comply with the regulation, before they are available for sale to the public. The highest SAR value for this model phone N-07B is 0.321 W/kg. It was taken by the Telecom Engineering Center (TELEC), a Registered Certification Agency on the Radio Law. The test for SAR was conducted in accordance with the MIC testing procedure using standard operating positions with the phone transmitting at its highest permitted power level in all tested frequency bands.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the MIC's technical regulation. Although the SAR is determined at the highest certified power level, the actual SAR of the phone during operation can be well below the maximum value.

For further information about SAR, please see the following websites:

World Health Organization (WHO) : <http://www.who.int/peh-emf/en/>

ICNIRP : <http://www.icnirp.de/>

MIC : <http://www.tele.soumu.go.jp/e/sys/ele/index.htm>

TELEC : [http://www.telec.or.jp/ENG/Index\\_e.htm](http://www.telec.or.jp/ENG/Index_e.htm)

NTT DOCOMO : <http://www.nttdocomo.co.jp/english/product/sar/>

NEC CASIO Mobile Communications : <http://www.n-keitai.com/lineup/sar/> (Japanese)

Association of Radio Industries and Business : <http://www.arib-emf.org/index.html> (Japanese)

\*: International Commission on Non-Ionizing Radiation Protection.

### Radio Frequency (RF) Signals

THIS MODEL PHONE MEETS THE U.S. GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone contains a radio transmitter and receiver. Your phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The exposure standard for wireless mobile phones employs a unit of measurement

known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg.\* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the U.S. government-adopted requirement for safe exposure. The tests are performed on position and locations (for example, at the ear and worn on the body) as required by FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is 0.35 W/kg, and when worn on the body, is 0.57 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the U.S. government requirement. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section at <https://gulfoss2.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> after search on FCC ID A98-WVZ8083.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Non-compliance with the above restrictions may result in violation of FCC RF Exposure guidelines.

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\* In the United States, the SAR limit for wireless mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. SAR values may vary depending upon national reporting requirements and the network band.

## FCC Regulations

This mobile phone complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This mobile phone has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off

and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Declaration of Conformity

The product "N-07B" is declared to conform with the essential requirements of European Union Directive 1999/5/EC Radio and Telecommunications Terminal Equipment Directive 3.1 (a), 3.1 (b) and 3.2.

The Declaration of Conformity can be found on <http://www.n-keitai.com/lineup/index.html> (Japanese only).

This mobile phone complies with the EU requirements for exposure to radio waves. Your mobile phone is a radio transceiver, designed and manufactured not to exceed the SAR\* limits\*\* for exposure to radio-frequency (RF) energy, which SAR\* value, when tested for compliance against the standard was 0.448 W/kg. While there may be differences between the SAR\* levels of various phones and at various positions, they all meet\*\*\* the EU requirements for RF exposure.

\* The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR.

\*\* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue, recommended by The Council of the European Union. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

\*\*\* Tests for SAR have been conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station antenna, the lower the power output.

## Export Administration Regulations

The product and accessories are subject to the Foreign Exchange and Foreign Trade Control Law and other applicable export/import laws and regulations of Japan. You shall obtain licenses, permissions, and consents required thereunder at your own expense and on your own responsibility. For more details, contact the Ministry of Economy, Trade and Industry (METI).

## Intellectual property right

### Copyrights and portrait rights

Except for personal use, subscribers are prohibited from copying, modifying or distributing content such as photos taken with the FOMA terminal or text/music/software downloaded from Internet websites, whose copyrights belong to third parties, without the permission of the copyright holder. Capturing or recording a stage performance, entertainment or exhibition may be prohibited even if it is for personal use.

Taking a photo of someone using the FOMA terminal without consent, or posting it on a website without consent, may infringe the right of portrait.

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## Description on Windows

- In this manual, Operating Systems (Japanese versions) are described as follows:
  - Windows 7 stands for Microsoft® Windows® 7 (Starter, Home Basic, Home Premium, Professional, Enterprise, Ultimate).
  - Windows Vista stands for Windows Vista® (Home Basic, Home Premium, Business, Enterprise, Ultimate).
  - Windows XP stands for Microsoft® Windows® XP Professional operating system or Microsoft® Windows® XP Home Edition operating system.

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**Make various applications or change your billing plan, check your charges and points, and more online.**

**i-mode access:** iMenu ⇒ お客様サポート (user support) ⇒ お申込・お手続き (Applications/procedures) ⇒ 各種お申込・お手続き (Various applications/procedures)

**No packet communications charges apply** (Japanese)

**PC access:** My docomo (<http://www.mydocomo.com/>) ⇒ 各種お申込・お手続き (Various applications/procedures) (Japanese)

- \* You need your "network PIN" to use via i-mode.
- \* Packet communications charges do not apply to use via i-mode. Charges will apply if using the service from overseas.
- \* "docomo ID and password" are required to use this site from a PC.
- \* Please contact General Inquiries on the last page of this manual if you forget or do not have "network PIN" or "docomo ID and password".
- \* May not be available in some cases depending on the conditions of your subscription.
- \* There are cases where the site may not be available due to system maintenance, etc.



## **Using mobile phone with your manners!**

When using mobile phone in a public place, don't forget to show courtesy and consideration for others.

### **Turn the power off when you are:**

#### **■ In places where use is prohibited**

- Turn off your mobile phone when you are in a hospital, on an airplane, or near a priority seat on a train, etc.

### **Always set Public mode when you are:**

#### **■ Driving**

- Using a handheld mobile phone while driving will result in a penalty.

#### **■ In places such as theaters, cinemas, and art galleries**

### **Respect privacy**



Please be considerate of the privacy of individuals around you when taking and sending photos using camera-equipped mobile phones.



## **What DOCOMO does to be eco-friendly**

### **Slimming down the manual**

By describing only basic functions and operations, we have succeeded in reducing paper usage and slimming down the Japanese instruction manual.

For further explanations, see your 使いかたガイド (Guide) (Japanese, available in your FOMA terminal) or visit NTT DOCOMO's websites.

### **Recycle of mobile phones**



モバイルリサイクル・フォーラム  
NTT DOCOMO

To protect environment and recycle the precious resources, mobile phone and PHS carriers collect mobile phones, batteries and battery charger to recycle regardless of brands and manufacturers at shops with the sign shown to the left. Bring the unnecessary such devices to your nearest docomo Shop.

**General Inquiries**  
**<docomo Information Center>**

(Business hours : 9:00 a.m. to 9:00 p.m.)

 **0120-005-250 (toll free)**

\* Service available in: English, Portuguese, Chinese, Spanish, Korean.

\* Unavailable from part of IP phones.

(Business hours : 9:00 a.m. to 8:00 p.m. (open all year round))

■ From DOCOMO mobile phones (In Japanese only)

 (No prefix) **151 (toll free)**

\* Unavailable from land-line phones, etc.

■ From land-line phones (In Japanese only)

 **0120-800-000 (toll free)**

\* Unavailable from part of IP phones.

● Please confirm the phone number before you dial.

● For Applications or Repairs and After-Sales Service, please contact the above-mentioned information center or the docomo shop etc. near you on the NTT DOCOMO website or the i-mode site.

▶ NTT DOCOMO website <http://www.nttdocomo.co.jp/english/>

▶ i-mode site iMenu ⇒ お客様サポート (user support) ⇒ ドコモショップ (docomo Shop) \* In Japanese only

**Repairs**

(Business hours : 24 hours (open all year round))

■ From DOCOMO mobile phones (In Japanese only)

 (No prefix) **113 (toll free)**

\* Unavailable from land-line phones, etc.

■ From land-line phones (In Japanese only)

 **0120-800-000 (toll free)**

\* Unavailable from part of IP phones.

**Loss or theft of FOMA terminal or payment of cumulative cost overseas**  
**<docomo Information Center>**

(available 24 hours a day)

■ From DOCOMO mobile phones

International call access code for the country you stay **-81-3-6832-6600\*** (toll free)

\* You are charged a call fee to Japan when calling from a land-line phone, etc.

※ If you use N-07B, you should dial the number +81-3-6832-6600 (to enter '+', press and hold the '0' key for at least one second).

■ From land-line phones <Universal number>

Universal number international prefix **-8000120-0151\***

\* You might be charged a domestic call fee according to the call rate for the country you stay.

※ For international call access codes for major countries and universal number international prefix, refer to DOCOMO International Service website.

**Failures encountered overseas**  
**<Network Support and Operation Center>**

(available 24 hours a day)

■ From DOCOMO mobile phones

International call access code for the country you stay **-81-3-6718-1414\*** (toll free)

\* You are charged a call fee to Japan when calling from a land-line phone, etc.

※ If you use N-07B, you should dial the number +81-3-6718-1414 (to enter '+', press and hold the '0' key for at least one second).

■ From land-line phones <Universal number>

Universal number international prefix **-8005931-8600\***

\* You might be charged a domestic call fee according to the call rate for the country you stay.

※ For international call access codes for major countries and universal number international prefix, refer to DOCOMO International Service website.

● If you lose your FOMA terminal or have it stolen, immediately take the steps necessary for suspending the use of the FOMA terminal.

● If the FOMA terminal you purchased is damaged, bring your FOMA terminal to a repair counter specified by DOCOMO after returning to Japan.



**Don't forget your mobile phone ... or your manners!**

When using your mobile phone in a public place, don't forget to show common courtesy and consideration for others around you.

Sales: NTT DOCOMO, INC.

Manufacturer: NEC CASIO Mobile Communications, Ltd.



To prevent damage to the environment, bring used battery packs to a docomo service counter, a docomo agent or a recycle center.

# N-07B

## Manual for PC Connection

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### About Manual for PC Connection

This manual describes necessary information for data communication using the N-07B and how to install "FOMA communication setting file" and "DOCOMO Connection Manager" provided in the provided CD-ROM.

The procedures or screens may vary depending on your environment.

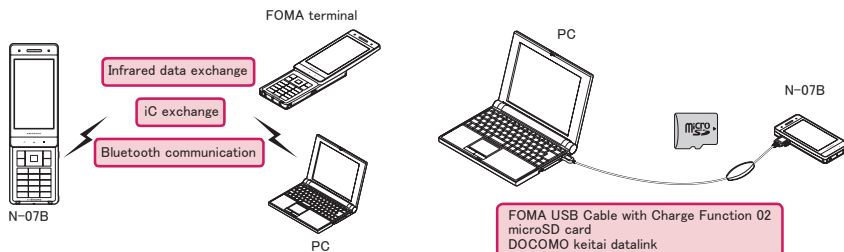
# Data Communication

## Data Communication Available for the FOMA Terminal

Available data communication between the FOMA terminal and PCs is classified in 3 categories: data exchange (OBEX™ communication), packet communication and 64K data communication.

### Data exchange (OBEX™ communication)

The data such as images, phonebook entries, mails, and more can be exchanged with equipment such as other FOMA terminals and PCs.



### Packet communication

Packet communication is charged according to the amount of data sent and received.\*1 High speed communication at up to 7.2Mbps downlink\*2 and up to 5.7Mbps uplink\*2 is available in the FOMA HIGH-SPEED area. Communication is provided on a best-effort basis. Communication speed varies depending on the communication environment or network congestion. This is suitable for exchanging small amount of data at high speed.

- When you use packet communication with DOCOMO PDA "sigmarion III", the communication speed may be lower. It is not compatible with FOMA HIGH-SPEED Area communication.

You can also access a corporate LAN connected to the FOMA network.

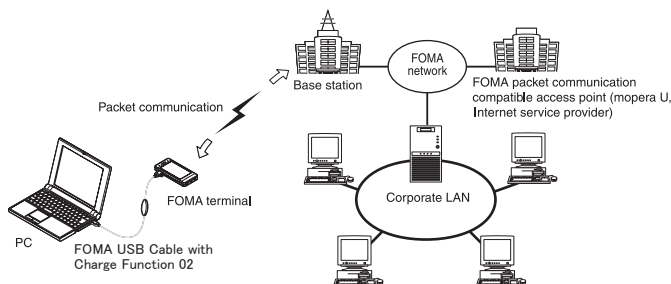
Use an access point that supports FOMA packet communication, such as DOCOMO Internet connection service "mopera U".

For packet communication, connect the FOMA terminal to a PC using FOMA USB Cable with Charge Function 02 (optional), Bluetooth communication\*3, or to a PDA using a dedicated cable.

\*1 : Note that the communication charge can become very expensive when large files are sent and received.

\*2 : It is the maximum value on the technical standards, and the actual communication speed varies depending on the network congestion or communication environment. The communication speed may be lower when you are out of the FOMA HIGH-SPEED area, you connect to the access point to which the HIGH-SPEED service is not supported, or you use packet communication with DOCOMO PDA "sigmarion III".

\*3 : When connecting using Bluetooth communication, the FOMA terminal communication speed will be that of HIGH-SPEED service. But, communication at the maximum speed may not be possible due to Bluetooth communication speed limitation.



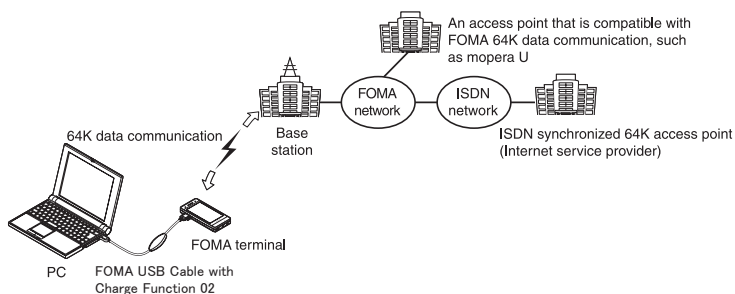
## 64K data communication

64K data communication is charged according to the length of time the line is connected, regardless of the amount of data.

Use an access point that supports FOMA 64K data communication, such as DOCOMO Internet connection service "mopera U", or ISDN synchronized 64K access point.

For 64K data communication, connect the FOMA terminal to a PC using FOMA USB Cable with Charge Function 02 or Bluetooth communication, or to a PDA using a dedicated cable.

\* Note that the communication charge can become very expensive when the line is connected for a long time.



### NOTE

- The communication speed is 384kbps at maximum for receiving and 64kbps at maximum for sending outside the FOMA service area and overseas.
- Select IP connection method when you perform packet communication overseas. (Packet communication using PPP connection is not supported.)
- 64K data communication is not available overseas.

## Notice before using

### Internet service provider fees

In addition to FOMA service charges, you may need to pay user fees to an Internet service provider to use the Internet. These fees must be paid directly to the Internet service provider in addition to service fees of FOMA service. Contact your Internet service provider for details.

DOCOMO Internet connection service "mopera U" is available. "mopera U" is a pay service for which you need to apply.

### Setting an access point (e.g. Internet service provider)

Packet communication and 64K data communication use different access points. If you are using packet communication, use an applicable access point for it; if 64K data communication, use an access point for FOMA 64K data communication or ISDN synchronized 64K.

- You cannot use DoPa access points.
- For the available services and connection settings, see mopera website.  
<http://www.mopera.net/mopera/index.html>  
(in Japanese only)

### User authorization when accessing network

Some access points may require your user authorization (ID and password) when connecting. Use communication software (Dial-up network) to enter your ID and password. ID and password will be provided by your Internet service provider or the network administrator. Contact the Internet service provider or network administrator for details.

### Access authorization when using the browser

To view FirstPass compliant sites on your PC's browser, FirstPass (user certification) for access authorization is needed. Install the FirstPass PC software and conduct the setting. To obtain the FirstPass PC software and more information, visit the DOCOMO website.

### Required conditions for performing packet and 64K data communication

The following conditions are required to perform communication using the FOMA terminal (For communication in Japan):

- Your PC is compatible with the FOMA USB Cable with Charge Function 02 (optional).
- You are in the FOMA service area.
- For packet communication, the access point supports FOMA packet communication.
- For 64K data communication, the access point supports FOMA 64K data communication or ISDN synchronized 64K.

However, depending on congestion of the base station or weaker signal strength, you cannot perform communication even when the above conditions are satisfied.

# Before Using

## Operational environment

The PC operation environment to use data communication is as shown below:

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PC unit           | <ul style="list-style-type: none"><li>• PC/AT compatible model with CD-ROM drive</li><li>• When using the FOMA USB Cable with Charge Function 02 (optional):USB port (compliant to Universal Serial Bus Specification Rev1.1/2.0)</li><li>• When using Bluetooth communication: Bluetooth Specification Ver.1.1, Ver.1.2 or Ver.2.0+EDR compliant (Dial-up Networking Profile)</li><li>• Display resolution of 800 dots wide × 600 dots high, High Color (65,536 colors) is recommended</li><li>* For DOCOMO Connection Manager, 1,024 dots wide × 768 dots high or more is recommended</li></ul> |
| OS*1              | <ul style="list-style-type: none"><li>• Windows XP (Japanese version)</li><li>* For DOCOMO Connection Manager, the operational environment is as follows:<ul style="list-style-type: none"><li>• Windows XP Professional SP2 or later</li><li>• Windows XP Home Edition SP2 or later</li></ul></li><li>• Windows Vista (32bit/64bit) (Japanese version)</li><li>• Windows 7 (32bit/64bit) (Japanese version)</li></ul>                                                                                                                                                                            |
| Required memory*2 | <ul style="list-style-type: none"><li>• Windows XP: 128M bytes or higher</li><li>• Windows Vista: 512M bytes or higher</li><li>• Windows 7 (32bit): 1G bytes or higher</li><li>• Windows 7 (64bit): 2G bytes or higher</li></ul>                                                                                                                                                                                                                                                                                                                                                                  |
| Hard disk space*2 | <ul style="list-style-type: none"><li>• 5M bytes or higher</li><li>* For DOCOMO Connection Manager, 10M bytes or higher</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

\*1 : The proper operations on the upgraded OS are not guaranteed.

\*2 : The required memory and necessary hard disk space may differ depending on the PC's system configuration.

- The operational environment to use DOCOMO Connection Manager is Internet Explorer 6.0 or later. As for mail soft, use "Windows mail" or "Outlook Express 6.0".
- For the latest information on the operational environment, visit the DOCOMO website.
- Microsoft Internet Explorer 7.0 or later is recommended to run the menu (For Windows XP, Microsoft Internet Explorer 6.0 or later is recommended.). If the menu screen does not appear even when you insert the CD-ROM, use the following procedure:
  - ① For Windows 7, open "コンピュータ" → "コンピューター" (Computer)  
For Windows Vista, open "コンピュータ" → "コンピューター" (Computer)  
For Windows XP, open "スタート" (Start) → "マイコンピュータ" (My Computer)
  - ② Right-click the CD-ROM icon and select "開く" (Open)
  - ③ Double-click "index.html"
- When the CD-ROM is inserted to the PC, the warning screen may appear. This warning is displayed according to the security setting of the Internet Explorer. There is no matter with using the software. Click "はい" (Yes).

### NOTE

- You can transmit data with the FOMA terminal connected to the DOCOMO PDA "sigmarion III".
- This FOMA terminal is not compatible with Remote Wakeup function.
- This FOMA terminal is not compatible with the FAX communication.

## Required devices

The following hardware and software, in addition to the FOMA terminal and a PC, are required.

- "FOMA USB Cable with Charge Function 02" (optional) or "FOMA USB Cable" (optional)\*
- Provided CD-ROM "CD-ROM for N-07B"

\* : For USB connection

### NOTE

- Purchase the specified "FOMA USB Cable with Charge Function 02" or "FOMA USB Cable". The USB cable for PC cannot be used because the shape of the connector is different.
- The FOMA USB Cables may not function properly when connected to a USB HUB.

## Checking the Procedure

In data communication, the connection is made through a dial-up connection with Internet service providers or LANs that support FOMA data communication.

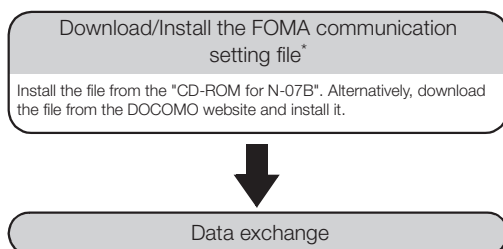
### ■ About the "CD-ROM for N-07B"

- The CD-ROM contains the FOMA communication setting file (drivers), DOCOMO Connection Manager.
- The FOMA communication setting file is software (driver) needed for connecting the FOMA terminal with a PC via a FOMA USB Cable with Charge Function 02 (optional) to carry out packet communication, 64K data communication and data transfer (OBEX™ communication). Installing the FOMA communication setting file embeds each driver into Windows. Using DOCOMO Connection Manager, you can easily set up packet communication and 64K data communication and create a dial-up connection.

## Flow chart for completing the data communication setup

### ■ Data exchange (OBEX™ communication)

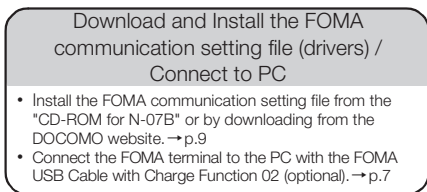
Install the FOMA communication setting file to use the FOMA USB Cable with Charge Function 02.



\* : Install DOCOMO keitai datalink in addition.

## ■ Packet communication and 64K data communication

### For USB connection



Check the setting after installation (p.11)

<To set up the access point using  
DOCOMO Connection Manager>

Install DOCOMO Connection Manager

- Enables you to use DOCOMO Connection Manager. "Installing DOCOMO Connection Manager" → p.17

Set up

- mopera U\*
- Other providers

Connect and disconnect

- Connect → p.20
- Disconnect → p.20

### For Bluetooth connection

Connect the FOMA terminal to a PC wirelessly using Bluetooth communication (p.13)

Check the modem (p.13)

<Not using DOCOMO Connection Manager>

Set up

- Set up communication not using DOCOMO Connection Manager → p.21

Connect and disconnect

- Connect → p.35
- Disconnect → p.36

\* : To use Internet with the FOMA terminal and PC connected, "mopera U" (you need to apply for) is useful, which supports broadband connection, etc. Consider the plan in which you are charged only in a month when you use the service. For more information, visit the DOCOMO website.

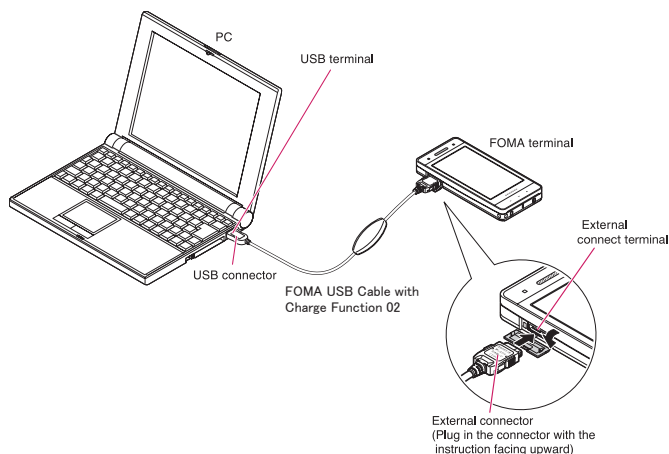
## Setting the USB mode to "Communication mode"

- Set the mode before connecting to PC.
- Setting is not required when using Bluetooth connection.

### 1 "Setting" ▶ "External connection" ▶ "USB mode" ▶ "Communication mode"

## Connecting the devices

The following procedure explains how to connect the FOMA USB Cable with Charge Function 02 (optional).



- 1 Open the external connector cap of the FOMA terminal
- 2 Check the orientation of the external connector of the FOMA terminal, then insert the external connector of the FOMA USB Cable with Charge Function 02 horizontally until you hear a click
- 3 Connect the USB connector of the FOMA USB Cable with Charge Function 02 to the USB terminal of your PC

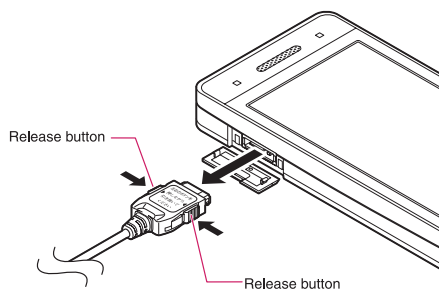
" " appears on the FOMA terminal when the FOMA USB Cable with Charge Function 02 is connected.

#### NOTE

- " " appears on the FOMA terminal display when the FOMA communication setting file is installed and the connection with a PC is recognized.

## Disconnecting the devices

The following procedure explains how to disconnect the FOMA USB Cable with Charge Function 02 (optional).



- 1** Remove the FOMA USB Cable with Charge Function 02 from the USB terminal of the PC
- 2** Pull the FOMA USB Cable with Charge Function 02 out horizontally while pressing the release buttons of the external connector of FOMA USB Cable
- 3** Close the external connector cap of the FOMA terminal

### NOTE

- When you connect and disconnect the FOMA USB Cable with Charge Function 02 repeatedly, wait for a while in each step because the FOMA terminal may not recognize the PC correctly.
- Do not disconnect the FOMA USB Cable with Charge Function 02 during data communication because this may cause the disconnection of communication, malfunction or loss of data.
- Keep pressing the release buttons of the external connector of the FOMA USB Cable with Charge Function 02 when pulling it out of the external connector of the FOMA terminal. Using excessive force to pull the cable may cause malfunction.

# Installing the FOMA Communication Setting File (Drivers)

The following procedure explains how to install the FOMA communication setting file (drivers).

- Before installing the FOMA communication setting file, make sure to quit any Windows software running on your computer.\*
- When installing FOMA communication setting file, be sure to log on as Administrator. If you attempt to install the file with another account, an error may occur. Contact your PC's manufacturer or Microsoft for information on how to set Administrator privileges on your PC.
- You can download the FOMA communication setting file from the DOCOMO website.
- Install the FOMA communication setting file only when connecting to the PC using the FOMA USB Cable with Charge Function 02.

\* : Quit any Windows software, including anti-virus, that resides on the task bar.

To close software that resides on task bar, click an icon on the task bar and click "閉じる" (Close) or "終了" (Finish).

## 1 Start up Windows and insert the "CD-ROM for N-07B" in the CD-ROM drive of your PC

This screen will automatically appear.

If not, refer to the third bullet (●) in "Operational environment" (p.4).



## 2 Click "データリンクソフト・各種設定ソフト" (Datalink software/ software for various settings)

## 3 Click the in-use OS name under "FOMA通信設定ファイル (USBドライバ)" (FOMA communication setting file (USB driver))

A folder that contains the FOMA communication setting file (USB driver) will automatically appear.

## 4 Double-click the displayed folder

The folder name differs depending on the OS.

For Windows 7 (32bit):Win7\_32

For Windows 7 (64bit):Win7\_64

For Windows Vista (32bit):WinVista32

For Windows Vista (64bit):WinVista64

For Windows XP:Win\_XP

## 5 Double-click "n07b\_is.exe"

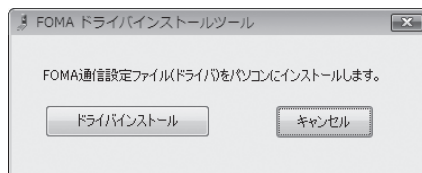
It is displayed "n07b\_is" depending on the setting of your PC.

## 6 When the User Account Control screen appears, click "はい" (Yes) for Windows 7, and click "続行" (Continue) or "許可" (Allow) for Windows Vista

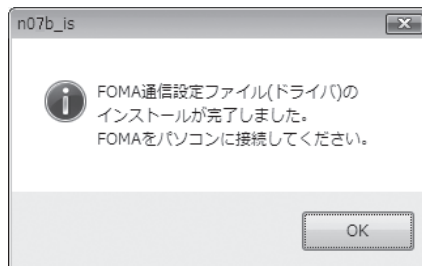
For Windows XP, User Account Control screen will not be displayed.

## 7 Click “ドライバインストール” (Install driver)

Installation starts.



## 8 When this screen appears, click “OK”



## 9 Turn on the FOMA terminal, then connect the FOMA USB Cable with Charge Function 02 (optional) to your FOMA terminal

## 10 Connect the FOMA USB Cable with Charge Function 02 to the USB terminal of the PC

A message appears on the task bar indicator, and then installation starts. Click the message and display the progress of installation.

## 11 If this screen appears, click “閉じる” (Close)

Installation of the driver is completed when 4 drivers are displayed on the screen. Proceed to “Checking the installed driver” (p.11).



# Checking the installed driver

Check that the FOMA communication setting file (drivers) has been correctly installed. This section describes an example using Windows 7.

## 1 Select " " → "コントロールパネル" (Control Panel)

For Windows XP

Select "スタート" (Start) → "コントロールパネル" (Control Panel)

## 2 Open "システムとセキュリティ" (Systems and security) in the "コントロールパネル" (Control Panel)

For Windows Vista

Open "システムとメンテナンス" (System and maintenance) in the "コントロールパネル" (Control Panel)

For Windows XP

Click the "システム" (System) icon in "パフォーマンスとメンテナンス" (Performance and maintenance)

## 3 Select "デバイスマネージャー" (Device Manager)

When the User Account Control screen appears, click "はい" (Yes).

For Windows Vista

Select "デバイスマネージャ" (Device Manager)

When the User Account Control screen appears, click "続行" (Continue).

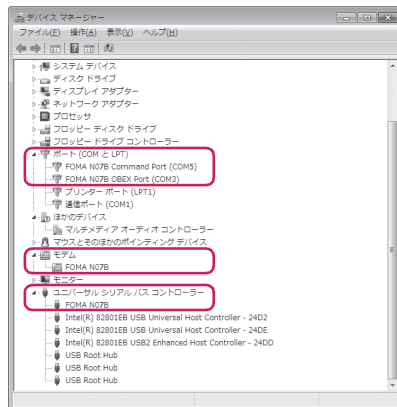
For Windows XP

Click the "ハードウェア" (Hardware) tab and click "デバイスマネージャ" (Device manager)

## 4 Click each device to check the installed driver name

Check that all the driver names are displayed under "ポート (COMとLPT)" (Ports (COM&LPT)), "モデム" (Modems) and "ユニバーサルシリアルバスコントローラー" (Universal Serial Bus Controller) or "USB (Universal Serial Bus) コントローラー" (USB (Universal Serial Bus) controller).

\* It is displayed "ユニバーサルシリアルバスコントローラー" or "USB (Universal Serial Bus) コントローラー" on Windows Vista and Windows XP.



| Device name                                               | Driver name                                                                                           |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| ポート (COMとLPT)                                             | <ul style="list-style-type: none"> <li>FOMA N07B Command Port</li> <li>FOMA N07B OBEX Port</li> </ul> |
| モデム                                                       | <ul style="list-style-type: none"> <li>FOMA N07B</li> </ul>                                           |
| ユニバーサルシリアルバスコントローラー or USB (Universal Serial Bus) コントローラー | <ul style="list-style-type: none"> <li>FOMA N07B</li> </ul>                                           |

### NOTE

- When you check the above, if not all the driver names appear, follow the uninstall instructions (p.12) to delete the FOMA communication setting file and install the proper file.

## Uninstalling the FOMA communication setting file (drivers)

If necessary (when updating the drivers, etc.), uninstall the drivers as follows. The procedure for uninstalling from a Windows 7 or Windows Vista machine is described as an example.

- Uninstallation is not available while connecting the FOMA terminal with PC.
- When uninstalling FOMA communication setting file, be sure to log on as Administrator. If you attempt to uninstall the file with another account, an error may occur. Contact your PC's manufacturer or Microsoft for information on how to set Administrator privileges on your PC.

**1** If the FOMA terminal and the PC are connected by the FOMA USB Cable with Charge Function 02 (optional), remove the FOMA USB Cable with Charge Function 02

**2** Start "プログラムと機能" (Applications and functions) on the Windows

Click "⚙️" → "コントロールパネル" (Control Panel) → "プログラムのアンインストール" (Uninstall a program)

For Windows XP

Click "スタート" (Start) → "コントロールパネル" (Control Panel) → "プログラムの追加と削除" (Add and remove applications)

**3** Select "FOMA N07B USB" and click "アンインストールと変更" (Uninstall/Change)

For Windows XP

Select "FOMA N07B USB"

**4** When the User Account Control screen appears, click "はい" (Yes) for Windows 7, and click "続行" (Continue) for Windows Vista

For Windows XP

Click "変更と削除" (Change and delete)

For Windows XP, User Account Control screen will not be displayed.

**5** Click "OK" to uninstall

To cancel uninstallation, click "キャンセル" (Cancel).

**6** Click "はい" (Yes) to restart Windows

Now the uninstallation is completed.

If you click "いいえ" (No), restart Windows manually.

### NOTE

- When "FOMA N07B USB" is not displayed in the "プログラムと機能" (Applications and functions) on the Windows, perform the following procedure:

① Insert the "CD-ROM for N-07B" in the CD-ROM drive of your PC

② For Windows 7, open "⚙️" → "コンピューター" (Computer)

For Windows Vista, open "⚙️" → "コンピューター" (Computer)

For Windows XP, open "スタート" (Start) → "マイコンピュータ" (My Computer)

③ Right-click the CD-ROM icon and select "開く" (Open)

④ For Windows 7 (32bit), open "N07B\_driver\_win7\_32" → "Win7\_32" folder in the CD-ROM

For Windows 7 (64bit), open "N07B\_driver\_win7\_64" → "Win7\_64" folder

For Windows Vista (32bit), open "N07B\_driver\_vista32" → "WinVista32" folder

For Windows Vista (64bit), open "N07B\_driver\_vista64" → "WinVista64" folder

For Windows XP, open "N07B\_driver\_win\_xp" → "Win\_XP" folder

⑤ Double-click "n07b\_un.exe"

\* : It is displayed as "n07b\_un" depending on the setting of your PC.

# Preparing Bluetooth Communication

Perform data communication by connecting a Bluetooth communication compatible PC to the FOMA terminal wirelessly.

## Register and connect the PC to the FOMA terminal

To connect a PC to the FOMA terminal for the first time, register the PC to the FOMA terminal.

- 1**  ► "Tool" ► "Bluetooth" ► "Accept dialup devices"  
The FOMA terminal changes to the Bluetooth standby mode, and "  (blue)" appears on the display. If no communication is established for about 5 minutes, the Bluetooth standby mode is released automatically.
- 2** Search and register the Bluetooth device from the PC  
Register the device from the PC while the FOMA terminal is in Bluetooth standby mode. Refer to the instruction manual of your PC for details on operating it. (Depending on the instruction manual, "探索" (Search) or "サーチ" (Search) is used instead of "検索" (Search), and "ペアリング" (Pairing) is used "機器登録" (Register devices).)
- 3** Select "YES" when the message informing the device registration appears
- 4** Enter Bluetooth passkey ►  [Set]  
The PC is registered, and the PC is connected to the FOMA terminal wirelessly. When the connection is established, "  (blue)" flashes on the display.

### ■ To connect to the registered PC

Select "Accept dialup devices" on the FOMA terminal, and then perform connection operations on the PC.

You can also connect the FOMA terminal to the registered PC by selecting "Tool" ► "Bluetooth" ► "Accept registered" and confirming "Dial-up" is in standby mode, then performing connection operation on the PC.

## Check the modem setting

Before setting communication, confirm the modem name and the COM port number for the dial-up connection.

- 1** Select "  " → "コントロールパネル" (Control Panel)  
For Windows XP  
Select "スタート" (Start) → "コントロールパネル" (Control Panel)
- 2** Open "システムとセキュリティ" (Systems and security) in the "コントロールパネル" (Control Panel)  
For Windows Vista  
Open "システムとメンテナンス" (System and maintenance) in the "コントロールパネル" (Control Panel)  
For Windows XP  
Click the "システム" (System) icon in "パフォーマンスとメンテナンス" (Performance and maintenance)

### 3 Select "デバイスマネージャー" (Device Manager)

When the User Account Control screen appears, click "はい" (Yes).

#### For Windows Vista

Select "デバイスマネージャ" (Device Manager)

When the User Account Control screen appears, click "続行" (Continue).

#### For Windows XP

Click the "ハードウェア" (Hardware) tab and click "デバイスマネージャ" (Device manager)

### 4 Click each device to check the modem name and the COM port number

The modem name and the COM port number are displayed under "ポート (COMとLPT)" (Ports (COM&LPT)) and "モデム" (Modem).

## Stopping the dial-up connection service

---

Stop the dial-up connection service being connected.

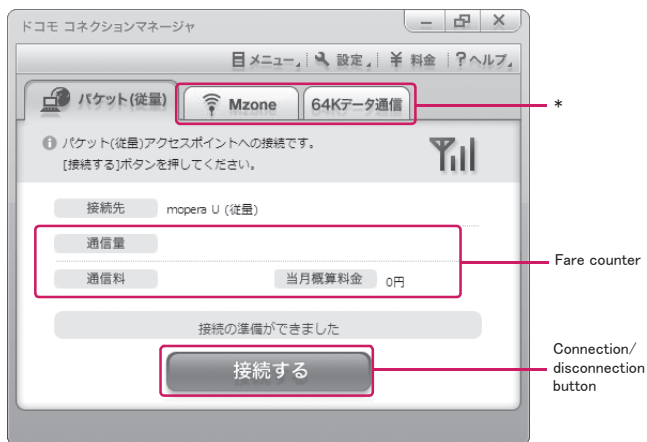
1  "Tool" ▶ "Bluetooth" ▶ "Device list"

2 Select the Bluetooth device being connected ▶ "Dial-up" ▶ "YES"

# DOCOMO Connection Manager

"DOCOMO Connection Manager" is a useful software for performing the flat-rate data communications and the measured-rate data communications. "DOCOMO Connection Manager" enables simplification of mopera U subscription, or appropriate setting on PC depending on the subscription.

The fare counter function is also available for checking an indication of the data traffic or usage amount.



\* : Will not be displayed by default. For details, refer to "ドコモ コネクションマネージャのヘルプ" (DOCOMO Connection Manager help).

This document describes procedures to install DOCOMO Connection Manager.

## NOTE

- To connect the FOMA terminal to the Internet, signing in to the Internet service provider including mopera U is required, which provides the available service and supports data communication. For more information, see DOCOMO website.

## Use of measured-rate data communications (including the i-mode packet flat-rate service)

Note that the communication charge can become expensive if "packet communication" is used to communicate large volumes of data such as to view sites and websites containing images or to download files.

Note that data communication with a PC using a USB Cable is out of the FOMA packet flat-rate services, such as flat-rate data plans in "Pake-Houdai", "Pake-Houdai full".

## Use of flat-rate data plan

Subscribing the flat-rate data plan requires the customers to sign in to the Internet service provider with subscription of the price plan supporting the flat-rate data communication. For more information, see DOCOMO website.

## Use of mopera

For the connection settings, see mopera website.  
<http://www.mopera.net/mopera/support/index.html>  
(in Japanese only)

## Before installing DOCOMO Connection Manager

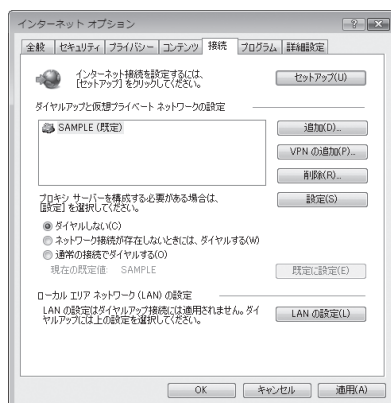
- Check the followings before installing DOCOMO Connection Manager.
  - ① Prepare the FOMA terminal, and FOMA USB Cable with Charge Function 02 (optional) or FOMA USB Cable (optional)
  - ② Confirm the services and contract details with the Internet Service Provider
  - ③ When the connection software other than DOCOMO Connection Manager is installed, disable it if necessary  
"Other connection software than DOCOMO Connection Manager" → p.16

## ● Setting for Internet Explorer

Before installing DOCOMO Connection Manager, set the Internet option for connection in Internet Explorer.

**1** Start Internet Explorer to select "ツール" (Tool) → "インターネットオプション" (Internet option)

**2** Click "接続" (Connect) tab and select "ダイヤルしない" (Not dialing)



**3** Click "OK"

## ● Other connection software than DOCOMO Connection Manager

- DOCOMO Connection Manager provides the same functions as the ones included in other connection software listed below, and this is all you need. Disable or uninstall the following software, if necessary.

### ■ Software you do not need to use simultaneously

- mopera U start up tool
- mopera U connection & setting tool
- FOMA PC setting software
- FOMA byte counter
- Uninstall the following public wireless LAN connection software if Mzone (public wireless LAN connection) is used through DOCOMO Connection Manager. The simultaneous use prohibits Mzone connection through DOCOMO Connection Manager.
  - U public wireless LAN utility software
  - DOCOMO public wireless LAN utility software
  - DOCOMO public wireless LAN utility program

## NOTE

- If no MSXML6・Wireless LAN APIs are available in your Windows XP environment, install them before DOCOMO Connection Manager. When the confirmation screen appears on MSXML6・Wireless LAN APIs installation, click "Install" to proceed it. Restart Windows after completion of installing MSXML6・Wireless LAN APIs, and DOCOMO Connection Manager is automatically installed.

## Installing DOCOMO Connection Manager

- When installing "DOCOMO Connection Manager", be sure to log on as Administrator. If you attempt to install the software with another account, an error may occur. Contact your PC's manufacturer or Microsoft for information on how to set Administrator privileges on your PC.
- Before starting the installation, make sure that no other program is currently running or resident. If there is any program running, exit the program before installation.

### 1 Insert the CD-ROM in the CD-ROM drive of the PC

This screen will automatically appear.

If not, refer to the third bullet (●) in "Operational environment" (p.4).

### 2 Click "インターネット接続" (Internet connection)



### 3 Click "インストール" (Install) of "③ドコモ コネクションマネージャのインストール" (③ Install DOCOMO Connection Manager) under "本CD-ROMからのFOMAデータ通信の設定方法" (Setting FOMA data communication using this CD-ROM)

### 4 For Windows 7, click "はい" (Yes). For Windows Vista, click "続行" (Continue)

For Windows XP, "ユーザーアカウント制御" (User Account Control) screen will not be displayed. Setup program starts immediately.

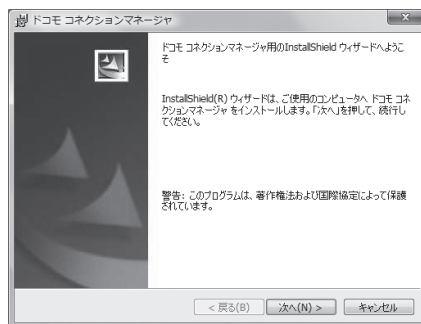
For Windows 7



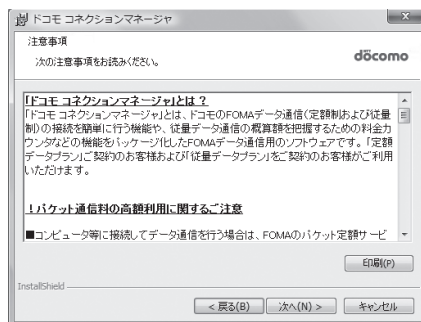
For Windows Vista



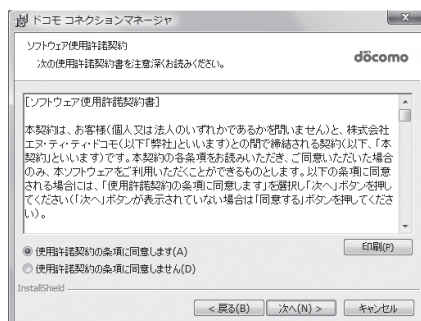
## 5 Click "次へ" (Next)



## 6 Confirm the precautions and click "次へ" (Next)

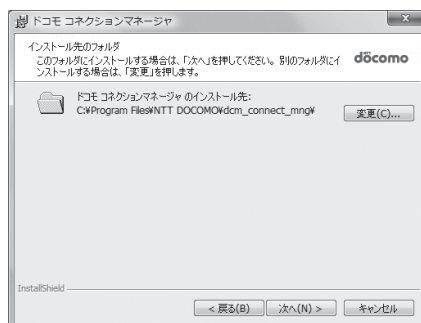


## 7 Upon confirming the user agreement, click "使用許諾契約の条項に同意します" (Agree) to agree to it, and click "次へ" (Next)

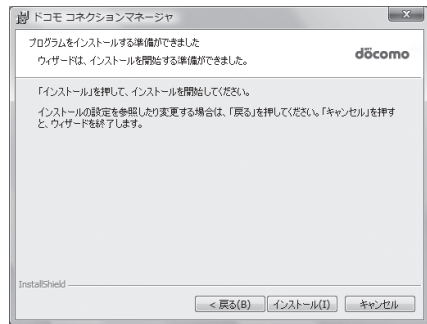


## 8 Select the installation location and click "次へ" (Next)

If you want to change the location, click "変更" (Change), specify the location and click "次へ" (Next).



## 9 Click "インストール" (Install)



## 10 Click "完了" (Finish)



## Starting DOCOMO Connection Manager

### 1 Start DOCOMO Connection Manager

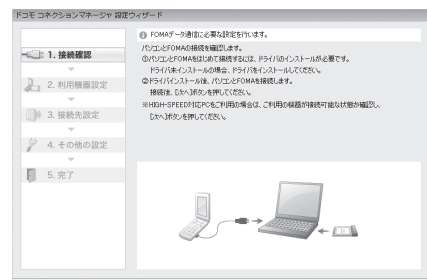
Open "🔍" or "スタート" (Start) → "すべてのプログラム" (All programs) → "NTT DOCOMO" → "ドコモ コネクションマネージャ" (DOCOMO Connection Manager) → "ドコモ コネクションマネージャ" (DOCOMO Connection Manager)

### 2 Specify the settings by following the setting wizard

The setting wizard will automatically appear when you start DOCOMO Connection Manager for the first time.

Follow the guidance and you can make preparations for Internet connection.

For details, refer to "ドコモ コネクションマネージャ 操作マニュアル" (DOCOMO Connection Manager operating manual).



# Executing Set Data Communication

## 1 Start DOCOMO Connection Manager

"Starting DOCOMO Connection Manager" → p.19

## 2 Click the tab of the desired connection method, and click "接続する" (Connect)

For details, refer to "ドコモ コネクションマネージャ 操作マニュアル" (DOCOMO Connection Manager operating manual).

When connection is not available, check "Setting up Dial-up Network" (p.21) and "Setting up Dial-up" (p.28).

- During packet communication, a different icon appears on the FOMA terminal depending on the communication conditions.



- ▽ (Communicating, sending data)
- △ (Communicating, receiving data)
- (Communicating, no data transfer)
- (Sending, or disconnecting)
- (Receiving, or disconnecting)

- " " appears on the FOMA terminal during 64K data communication.



### NOTE

- When executing data communication by using the FOMA USB Cable with Charge Function 02 (optional), to connect the PC to another FOMA terminal, the FOMA communication setting file (drivers) must be installed again.

## How to disconnect

Just closing the browser or mailer on your PC does not disconnect the communication line. When you do not perform data communication, be sure to disconnect by the following procedure:

## 1 Click "切断する" (Disconnect) on the DOCOMO Connection Manager screen



## 2 Click "OK"

### NOTE

- With Windows OS, software will be automatically updated if set to do so, and you may incur high packet communications charges without knowing you are doing so.
- The communication speed displayed on the PC may be different from the actual communication speed.

## Setting up Dial-up Network

This section describes how to set up a dial-up connection for packet communication / 64K data communication without using DOCOMO Connection Manager. The flow of operation is described below.

- It is unnecessary to set up the dial-up network for 64K data communication. Go on to "Setting up Dial-up" (p.28).

About AT commands

- AT commands are commands for modem control. The FOMA terminal complies AT commands and supports some enhanced commands and its own AT commands.
- Entering an AT command allows you to set or confirm (display) the detail settings and the contents of the settings for the "Data communication" and FOMA terminal.

## Checking the COM port

To set up the access point (APN), you need to specify the COM port number assigned to "FOMA N07B" (Modem) built in after installing the FOMA communication setting file (drivers). This section describes how to confirm the COM port number. The COM port confirmed here will be used in the access point (APN) set up (p.24).

### ● Preparation

This section takes the setting using the FOMA USB Cable with Charge Function 02 for example. When you connect using Bluetooth communication, see p.13.

- 1** Connect the FOMA USB Cable with Charge Function 02 (optional) to the FOMA terminal
- 2** Turn on the FOMA terminal, then connect the FOMA USB Cable with Charge Function 02 connected to the FOMA terminal to your PC

### ● To check the COM port on Windows 7

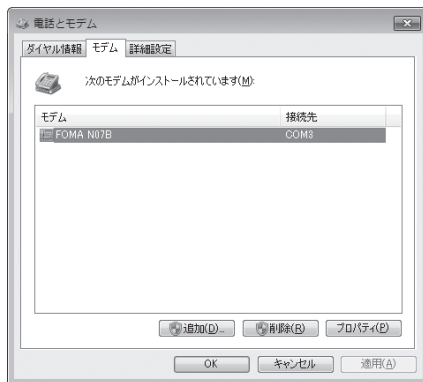
- 1** Open "🌐" → "コントロールパネル" (Control Panel)
- 2** Open "デバイスとプリンターの表示" (Device and printer) in Control Panel
- 3** Right-click on "docomo SMART series N-07B", and select "モデムの設定" (Modem setting)
- 4** If the "所在地情報" (Address information) screen is displayed, enter "市外局番／エリアコード" (Area code) and click "OK"

**5** Click the "モデム" (Modem) tab to confirm the COM port of the "接続先" (Access point) column of "FOMA N07B" and click "OK"

When connecting wirelessly using Bluetooth communication, confirm the COM port number of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker in the "接続先" (Access point) column.

The COM port confirmed here will be used in the access point (APN) set up (p.24).

The contents displayed on the screen and the COM port number differ depending on the PC.



**● To check the COM port on Windows Vista**

**1** Open "コントロールパネル" (Control Panel)

**2** Open "ハードウェアとサウンド" (Hardware and Sound) → "電話とモデムのオプション" (Telephone and modem options) in Control Panel

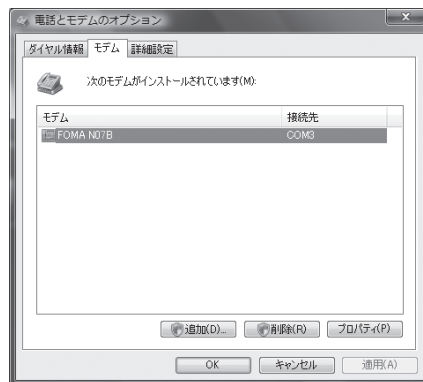
**3** If the "所在地情報" (Address information) screen is displayed, enter "市外局番／エリアコード" (Area code) and click "OK"

**4** Click the "モデム" (Modem) tab to confirm the COM port of the "接続先" (Access point) column of "FOMA N07B" and click "OK"

When connecting wirelessly using Bluetooth communication, confirm the COM port number of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker in the "接続先" (Access point) column.

The COM port confirmed here will be used in the access point (APN) set up (p.24).

The contents displayed on the screen and the COM port number differ depending on the PC.

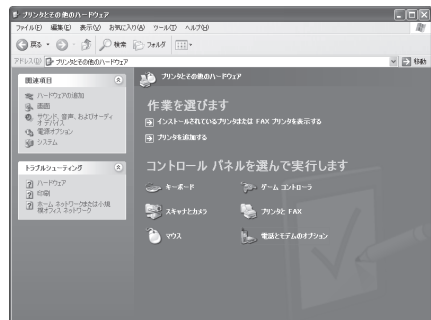


## ● To check the COM port on Windows XP

### 1 Open "スタート" (Start) → "コントロールパネル" (Control Panel)



### 2 Open "電話とモデムのオプション" (Telephone and modem options) from "プリンタとその他のハードウェア" (Printers and other hardware) in Control Panel



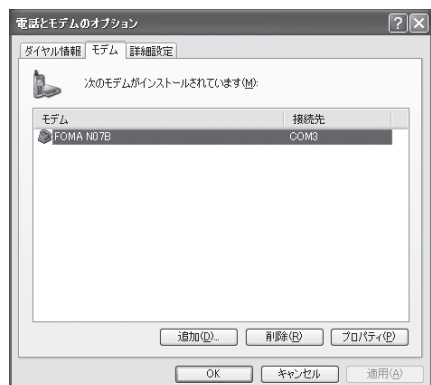
### 3 If the "所在地情報" (Address information) screen is displayed, enter "市外局番／エリアコード" (Area code) and click "OK"

### 4 Click the "モデム" (Modem) tab to confirm the COM port of the "接続先" (Access point) column of "FOMA N07B" and click "OK"

When connecting wirelessly using Bluetooth communication, confirm the COM port number of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker in the "接続先" (Access point) column.

The COM port confirmed here will be used in the access point (APN) set up (p.24).

The contents displayed on the screen and the COM port number differ depending on the PC.



## Setting up the access point (APN)

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Default setting | cid1 : mopera.ne.jp(PPP) cid2 : mopera.net(PPP) cid3 : mopera.net(IP)<br>cid4 : mpr.ex-pkt.net(PPP) cid5 to 10 : not set |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|

Communication software to enter AT commands is required for the settings. This section describes how to set it up using "Hyper terminal" that comes with Windows XP.

- Windows 7 and Windows Vista is not compatible with "Hyper terminal". For Windows 7 and Windows Vista, set with compatible software. (Follow the instructions for the setting of the software.)

### Access points <APN/cid>

- Normal telephone numbers are not used for access points for packet communication unlike 64K data communication. Set up APN instead of a telephone number for connection.
- The APN setting is just like registering a Phonebook for packet communication from a PC. Assign registration number (cid) 1 through 10 to register, which is used as a part of the access point number. As the APN of mopera, "mopera.ne.jp" is assigned to cid1, APN of mopera U, "mopera.net" to cid2, 3, and APN of mopera U, "mpr.ex-pkt.net" to cid 4, respectively by default, assign the APN to cid5 to cid10.<sup>\*1</sup>
- APN is administered by "cid (administration numbers 1 through 10)". Specifying "\*99\* \* \* <cid number> # " as the access point number enables the connection to the access point with the cid number.
- Specifying "\*99\* \* \* 1 # " as the access point number for the mopera connection or "\*99\* \* \* 3 # " for the mopera U connection enables you to use mopera or mopera U easily.<sup>\*2</sup>
- The APN setting registers the access point to the FOMA terminal just like registering other parties' information (telephone number, etc.) on a mobile phone. The following are comparisons with the Phonebook of the mobile phone:

|                       |                             | APN setting                         | Phonebook of mobile phone                                                           |
|-----------------------|-----------------------------|-------------------------------------|-------------------------------------------------------------------------------------|
| Data to be registered |                             | APN                                 | Phone number                                                                        |
|                       |                             | cid                                 | Memory number of Phonebook                                                          |
|                       |                             | —                                   | Other party's name                                                                  |
| How to register       | Register using PC           | ○ (DOCOMO Connection Manager, etc.) | ○ (Dedicated software required)                                                     |
|                       | Register using Mobile phone | × (Cannot even confirm)             | ○                                                                                   |
| How to use            |                             | Specify cid to connect              | Look up Phonebook to call                                                           |
|                       |                             | —                                   | Enter the telephone number directly from the dial key on the FOMA terminal to call. |

- Registered cid will be connection numbers in the dialup connection settings.
- Contact your Internet service provider or network administrator for an access point (APN) other than mopera U or mopera.

\*1 : Set up the APN setting for the access point (Internet service provider) on the FOMA terminal in advance instead of entering APN in the Telephone Number column of "ダイヤルアップネットワーク" (Dial-up Network) for connection.

\*2 : To connect to other Internet service providers, set the APN and assign it to cid5 to cid10.

### <Example: Using the FOMA USB Cable with Charge Function 02 on Windows XP>

- 1** Connect the FOMA USB Cable with Charge Function 02 (optional) to the FOMA terminal
- 2** Turn on the FOMA terminal, then connect the FOMA USB Cable with Charge Function 02 connected to the FOMA terminal to the PC

**3** Click "スタート" (Start) → "すべてのプログラム" (All programs) → "アクセサリ" (Accessories) → "通信" (Communication) → "ハイパーターミナル" (Hyper terminal) to start Hyper terminal

**4** Select the "今後、このメッセージを表示しない" (Do not display this message again) checkbox and then click "はい" (Yes)

**5** Enter any name in the "名前" (Name) column and click "OK"

'sample' is entered here as an example.



**6** Select "FOMA N07B" from "接続方法" (Connection method), and click "OK"

Click "キャンセル" (Cancel) after the connection screen appears.

**If a COM port of "FOMA N07B" can be selected**

When Properties of the COM port is displayed, click "OK".

In this example, "COM3" is selected. See "Checking the COM port" (p.21) to confirm the actual COM port number of "FOMA N07B" to be selected in "接続方法" (Connection method).



**If a COM port of "FOMA N07B" cannot be selected**

Click "キャンセル" (Cancel) to close the "接続の設定" (Connection Settings) screen and then follow the steps below:

- (1) Select "ファイル" (File) menu → "プロパティ" (Properties)
- (2) Select "FOMA N07B" in the "接続方法" (Connection method) column of the "接続の設定" (Connection Settings) tab on the "sampleのプロパティ" (sample Properties) screen
- (3) Uncheck "国/地域番号と市外局番を使う" (Use the Country/Region Code and Area Code)
- (4) Click "OK"



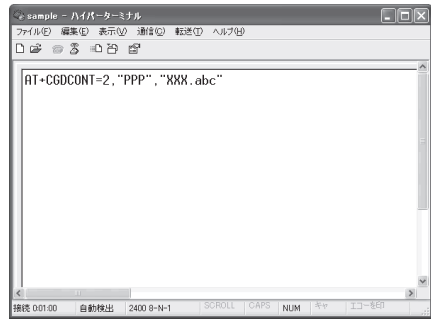
## 7 Enter the access point (APN) and press

Enter in the format of AT+CGDCONT=<cid>,"PDP\_type","APN"  
<cid> : Enter any number between 5 and 10.  
Please be cautious because if cid has been already set, the setting will be overwritten.  
"PDP\_type" : Enter "PPP" or "IP".  
"APN" : Put " " around the access point (APN) to enter.

If "OK" is displayed, the settings for the access point (APN) are completed.

Example: To enter APN named XXX.abc in cid Number2

Enter AT+CGDCONT=2,"PPP","XXX.abc" .



## 8 Confirm that "OK" appears and click "ハイパーターミナルの終了" (Close Hyper terminal) in the "ファイル" (File) menu

"sample"と名前付けされた接続を保存しますか？ (Are you going to save the connection "sample"?) appears, but it is not necessary to save.

### NOTE

- The AT commands entered in "Hyper terminal" may not be displayed after Step 7 on p.26. In this case, if you enter ATE1 , AT commands you enter from then on are displayed.
- To reset the access point (APN) settings using the AT command
  - If reset, the access point (APN) setting with cid=1 will return to "mopera.net.jp" (Default value), cid=2, 3 to "mopera.net" (Default value), and cid=4 to "mpr.ex-pkt.ne" (Default value), respectively, and cid=5 through 10 will be unregistered.
  - How to enter:  
AT+CGDCONT=  (to reset all cid)  
AT+CGDCONT= <cid>  (to reset a certain cid only)
- To confirm the access point (APN) settings using the AT command
  - Display the current settings.
  - How to enter:  
AT+CGDCONT? 

## Notifying or Not notifying the Caller ID

- You can set whether to notify the other person of your caller ID when packet communication is carried out. Since the caller ID is important information, please take care when you send your caller ID.
- You can set up the Notify or not notify Caller ID setting using the AT command prior to a dial-up connection.
- Use the \* DGPIR command (p.38) to notify or not notify the caller ID or change back to "Not set" (Default value).

### 1 Start "ハイパーターミナル" (Hyper terminal)

For how to start Hyper terminal, see "Setting up the access point (APN)" (p.24).

### 2 Set up Notify (186) or Not notify (184) Caller ID for packet communication

Enter in the format of "AT \* DGPIR=<n>".

To automatically attach 184 (Not notify) for dialing an outgoing call/answering an incoming call

Enter the following:

AT \* DGPIR=1 

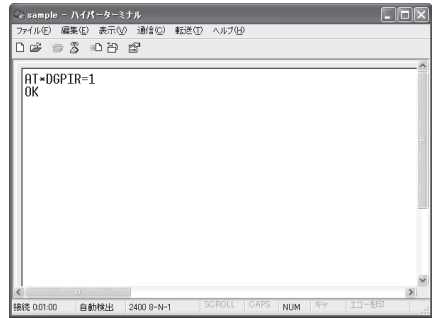
To automatically attach 186 (Notify) for dialing an outgoing call/answering an incoming call

Enter the following:

AT \* DGPIR=2 



- 3 Confirm that "OK" appears and click "ハイパーターミナルの終了" (Close Hyper terminal) in the "ファイル" (File) menu



#### NOTE

- The Caller ID needs to be set to "Notify" to use DOCOMO's internet connection service mopera U or mopera.

#### About 186 (Notify)/184 (Not notify) in Dial-up Network

You can attach 186/184 to the access point number in the Dial-up network settings as well.

The following table shows what happens if you set 186/184 both for the \* DGPIR command and the Dial-up network setting.

| Dial-up network setting (for cid=1) | Notify/Not notify setting by * DGPIR command | Notify/Not notify Caller ID                                    |
|-------------------------------------|----------------------------------------------|----------------------------------------------------------------|
| * 99 * * * 1#                       | Not set                                      | Notify                                                         |
|                                     | Not notify                                   | Not notify                                                     |
|                                     | Notify                                       | Notify                                                         |
| 184 * 99 * * * 1#                   | Not set                                      | Not notify (Dial-up network notification 184 has the priority) |
|                                     | Not notify                                   |                                                                |
|                                     | Notify                                       |                                                                |
| 186 * 99 * * * 1#                   | Not set                                      | Notify (Dial-up network notification 186 has the priority)     |
|                                     | Not notify                                   |                                                                |
|                                     | Notify                                       |                                                                |

# Setting up Dial-up

- This section takes accessing mopera U by packet communication for example.
- To connect using packet communication, enter " \* 99 \* \* \* 3#" as the number of access point for mopera U or " \* 99 \* \* \* 1#" for mopera. To connect using 64K data communication, enter " \* 8701" as the number of access point for mopera U or " \* 9601" for mopera.

## Setting up dial-up on Windows 7

- 1 Select “” → “コントロールパネル” (Control Panel)
- 2 Select “ネットワークとインターネット” (Network and Internet) → “ネットワークの状態とタスクの表示” (Show network status and task)
- 3 Click “新しい接続またはネットワークのセットアップ” (Set up new connection or network)
- 4 Select “ダイヤルアップ接続をセットアップします” (Set up dial-up connection) and click “次へ” (Next)
- 5 If the modem selection screen appears, click “FOMA N07B モデム” (FOMA N07B modem)

When connecting wirelessly using Bluetooth communication, click the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker.

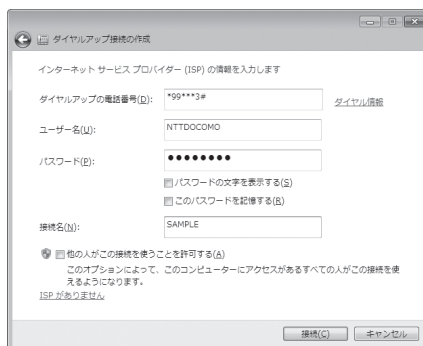
The modem selection screen appears only if there are multiple modems.



- 6 Select the “ダイヤルアップの電話番号” (Phone number for dial-up) and enter the number of the access point

You can leave user name and password blank for mopera U or mopera connection. To connect to any other provider than mopera U or mopera, enter the user name and password specified by the provider or network administrator in the “ユーザー名” (User Name) and “パスワード” (Password) columns as this screen.

This screen is an example of accessing mopera U by packet communication.



- 7 Click “接続” (Connect) and then click “スキップ” (Skip)  
To confirm the settings, cancel a connection test.
- 8 Click “閉じる” (Close)

9 Click “ネットワークとインターネット” (Network and Internet) → “ネットワークの状態とタスクの表示” (Show network status and task) → “ネットワークに接続” (Connect to network) on Control Panel

10 Right-click the icon created for the dial-up and click “プロパティ” (Properties)



11 Confirm the settings on the “全般” (General) tab

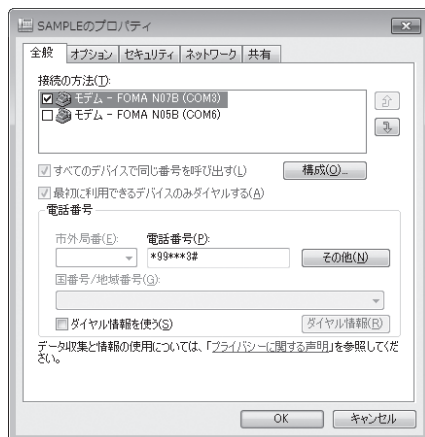
If two or more modems are connected to the PC

When connecting using the FOMA USB Cable with Charge Function 02, confirm that only “モデム - FOMA N07B” (Modem - FOMA N07B) is checked in the “接続の方法” (Connection method) column.

When connecting wirelessly using Bluetooth communication, confirm that only “モデム (Modem) - the name of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker” is checked in the “接続の方法” (Connection method) column.

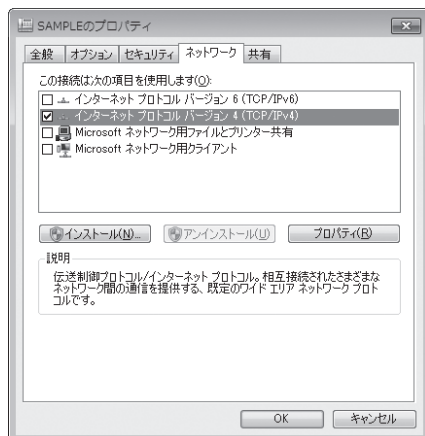
If it is not checked, check it.

Confirm that “ダイヤル情報を使う” (Use Dial Information) is unchecked. If not, uncheck it.



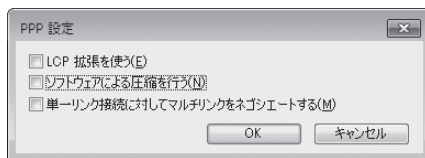
12 Click the “ネットワーク” (Network) tab and set up each setting

Check only “インターネット プロトコル バージョン 4 (TCP/IPv4)” (Internet Protocol version 4 (TCP/IPv4)) in the “この接続は次の項目を使用します” (Use the following items for this connection). (Use the following items for this connection).



13 Click the "オプション" (Options) tab and click "PPP 設定" (PPP settings)

14 Clear all the boxes and click "OK"



15 Click "OK"

## Setting up dial-up on Windows Vista

1 Open "🌐" → "接続先" (Access point)

2 Click "接続またはネットワークをセットアップします" (Set up the connection or network)

3 Select "ダイヤルアップ接続をセットアップします" (Set up dial-up connection) and click "次へ" (Next)

4 If the modem selection screen appears, click "FOMA N07B モデム" (FOMA N07B modem)

When connecting wirelessly using Bluetooth communication, click the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker.

The modem selection screen appears only if there are multiple modems.

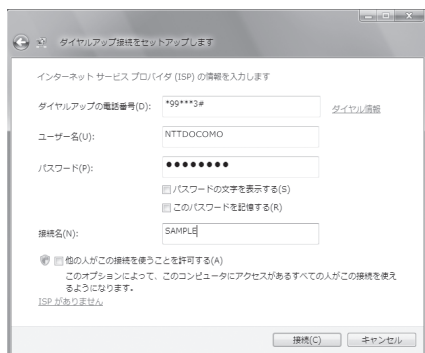


5 Select the "ダイヤルアップの電話番号" (Phone number for dial-up) and enter the number of the access point

You can leave user name and password blank for mopera U or mopera connection.

To connect to any other provider than mopera U or mopera, enter the user name and password specified by the provider or network administrator in the "ユーザー名" (User Name) and "パスワード" (Password) columns as this screen.

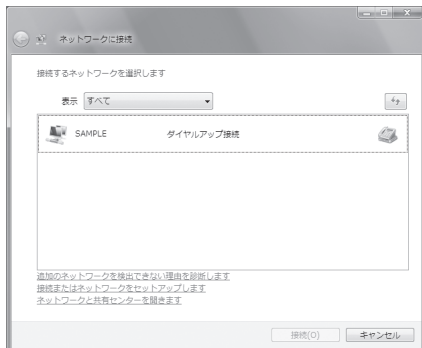
This screen is an example of accessing mopera U by packet communication.



6 Click "接続" (Connect) and then click "スキップ" (Skip)

To confirm the settings, cancel a connection test.

- 7 Click "接続をセットアップします" (Set up the connection) and then "閉じる" (Close)
- 8 Open "🌐" → "接続先" (Access point)
- 9 Right-click the icon created for the dial-up and click "プロパティ" (Properties)



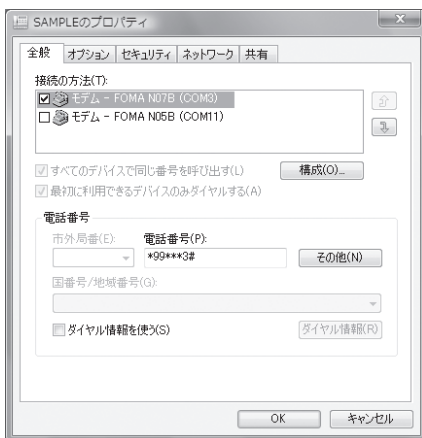
## 10 Confirm the settings on the "全般" (General) tab

If two or more modems are connected to the PC

When connecting using the FOMA USB Cable with Charge Function 02, confirm that only "モデム - FOMA N07B" (Modem - FOMA N07B) is checked in the "接続の方法" (Connection method) column.

When connecting wirelessly using Bluetooth communication, confirm that only "モデム (Modem) - the name of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker" is checked in the "接続の方法" (Connection method) column.

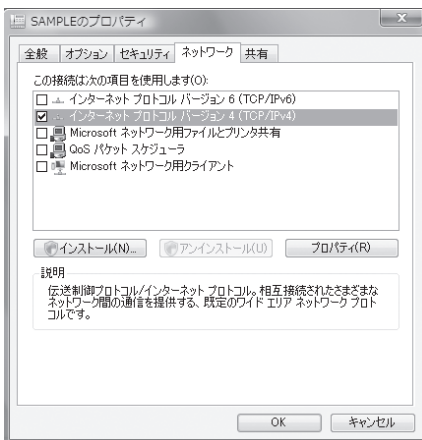
If it is not checked, check it.



Confirm that "ダイヤル情報を使う" (Use Dial Information) is unchecked. If not, uncheck it.

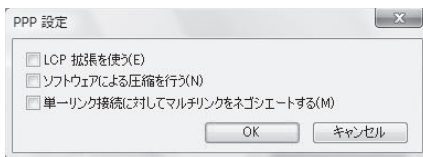
## 11 Click the "ネットワーク" (Network) tab and set up each setting

Check only "インターネット プロトコル バージョン 4 (TCP/IPv4)" (Internet Protocol version 4 (TCP/IPv4)) in the "この接続は次の項目を使用します" (This connection uses the following items) section. Check "QoS パケット スケジューラ" (QoS Packet Scheduler) and other items if instructed by the provider.



12 Click the "オプション" (Options) tab and click "PPP 設定" (PPP settings)

13 Clear all the boxes and click "OK"

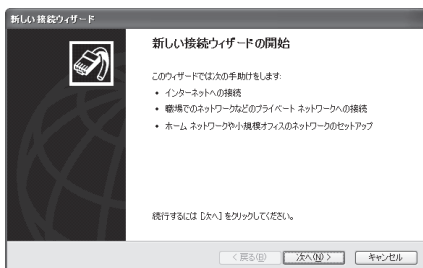


14 Click "OK"

## Setting up dial-up on Windows XP

1 Open "スタート" (Start) → "すべてのプログラム" (All programs) → "アクセサリ" (Accessories) → "通信" (Communication) → "新しい接続ウィザード" (New connection wizard)

2 When the "新しい接続ウィザード" (New Connection Wizard) screen appears, click "次へ" (Next)



3 Select "インターネットに接続する" (Connect to the Internet) and click "次へ" (Next)

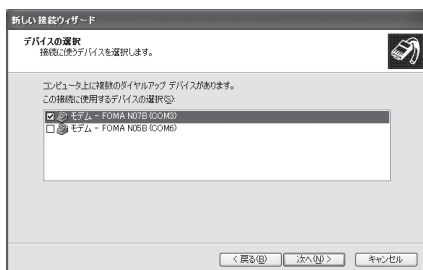
4 Select "接続を手動でセットアップする" (Set up the connection manually) and click "次へ" (Next)

5 Select "ダイヤルアップモデムを使用して接続する" (Connect using a dial-up modem) and click "次へ" (Next)

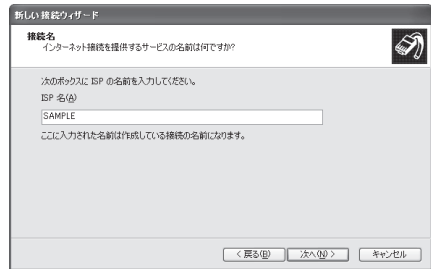
6 If the "デバイスの選択" (Select the device) screen appears, select only "モデム - FOMA N07B (COMx)" (Modem - FOMA N07B (COMx)), and click "次へ" (Next)

When connecting wirelessly using Bluetooth communication, select the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker.

The "デバイスの選択" (Select the device) screen appears only if there are multiple modems. (COMx) is a number of COM port displayed in "Checking the COM port" (p.21).

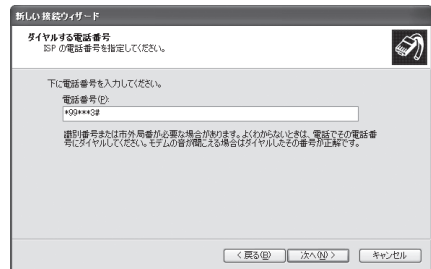


**7** Enter any name you want in the "ISP 名" (ISP Name) and click "次へ" (Next)



**8** Enter the number of the access point in the "電話番号" (Telephone Number) column and click "次へ" (Next)

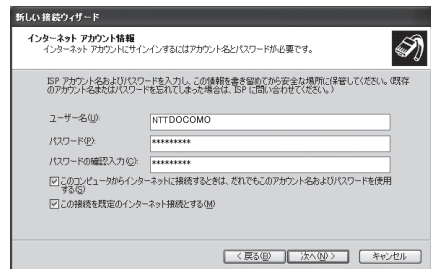
This screen is an example of accessing mopera U by packet communication.



**9** Click "次へ" (Next)

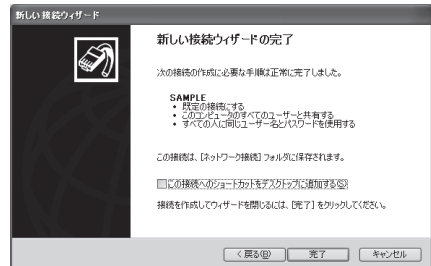
You can leave user name and password blank for mopera U or mopera connection.

To connect to any other provider than mopera U or mopera, enter exact information specified by the provider or network administrator in the "ユーザー名" (User Name), "パスワード" (Password) and "パスワードの確認入力" (Confirm Password) columns as this screen.



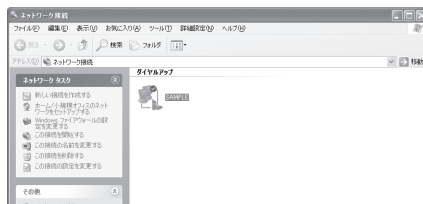
**10** Click "完了" (Finish)

The newly created connection wizard appears.



**11** Open "スタート" (Start) → "すべてのプログラム" (All programs) → "アクセサリ" (Accessories) → "通信" (Communication) → "ネットワーク接続" (Network connections)

- 12 Select the icon created for the dial-up and open "プロパティ" (Properties) in the "ファイル" (File) menu



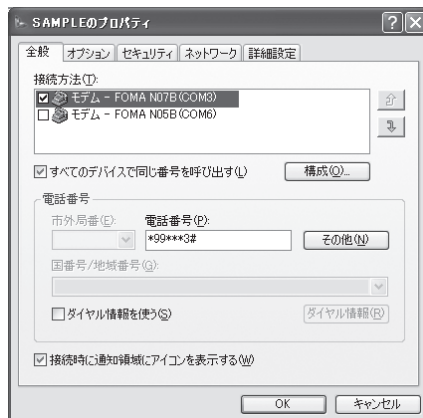
- 13 Confirm the settings on the the "全般" (General) tab

If two or more modems are connected to the PC

When connecting using the FOMA USB Cable with Charge Function 02, confirm that only "モデム - FOMA N07B" (Modem - FOMA N07B) is checked in the "接続方法" (Connection method) column.

When connecting wirelessly using Bluetooth communication, confirm that only "モデム (Modem) - the name of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker" is checked in the "接続方法" (Connection method) column.

If it is not checked, check it.



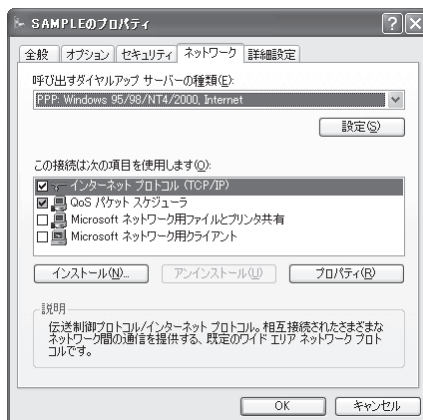
Confirm that "ダイヤル情報を使う" (Use Dial Information) is unchecked. If it is checked, uncheck it.

This screen is an example of accessing mopera U by packet communication.

- 14 Click the "ネットワーク" (Network) tab and set up each setting

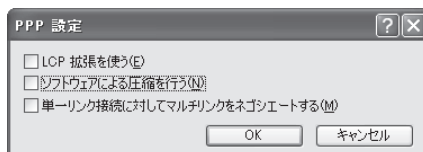
Select "PPP: Windows 95/98/NT4/2000, Internet" in the "呼び出すダイヤルアップサーバーの種類" (Type of the dial-up server to call).

Select "インターネットプロトコル (TCP/IP)" (Internet Protocol (TCP/IP)) in the "この接続は次の項目を使用します" (Use the following items for this connection). Since the setting of "QoS パケットスケジューラ" (QoS Packet Scheduler) cannot be changed, leave it as it is.



- 15 Click "設定" (Settings)

- 16 Clear all the boxes and click "OK"



## 17 When the Step 14 screen reappears, click "OK"

### Running dial-up connection

This section describes how to make a dial-up connection for packet communication by using the dial-up setting.

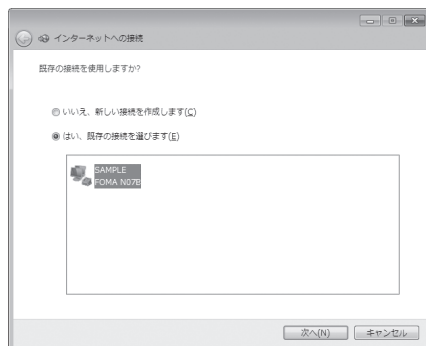
<Example: Using the FOMA USB Cable with Charge Function 02 on Windows 7>

#### 1 Connect the FOMA terminal to the PC with the FOMA USB Cable with Charge Function 02 (optional)

"Connecting the devices"→p.7

#### 2 Open "インターネット" (Internet) → "コントロールパネル" (Control Panel) → "インターネットへの接続" (Connect to Internet)

#### 3 Select the access point and click "次へ" (Next)



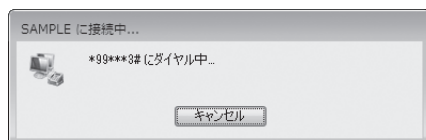
#### 4 Confirm the settings and click "ダイヤル" (Dial)

This screen is an example for mopera U connection. You can leave user name and password blank for mopera U or mopera connection.



#### <The Connecting screen appears>

While this screen appears, the log-on process such as confirmation of the user name and password is performed.



### <Completion of the connection>

When the connection is complete, a screen indicating the completion of the connection appears.

Click "閉じる" (Close). (Depending on the OS, a message appears from the indicator of the taskbar located on the bottom-right of the desktop for a few seconds.)

You can start browser software to view sites and websites or to use e-mail.

When connection is not available, check "Setting up Dial-up Network" (p.21) and "Setting up Dial-up" (p.28).

See p.20 for communication conditions.

## How to disconnect

Just closing the Internet browser may not disconnect the communication line. Follow the instructions below to disconnect for sure. This section describes an example using Windows 7.

### 1 Click the dial-up icon in the task-tray

The connection condition screen for Internet will be displayed.

### 2 Click "切断" (Disconnect)

#### NOTE

- The communication speed displayed on the PC may be different from the actual communication speed.

## When this happens

- Check the followings if you cannot connect to the network or dial-up successfully.

| Problem                                  | Points to check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| "N-07B" is not recognized by the PC.     | <ul style="list-style-type: none"><li>· Check if your PC satisfies the required operational environment (p.4).</li><li>· Check if the FOMA terminal is connected to the PC and the power is turned on.</li></ul> <When using the FOMA USB Cable with Charge Function 02 (optional)> <ul style="list-style-type: none"><li>· Check if the FOMA communication setting file (drivers) is installed.</li><li>· Check if the FOMA USB Cable with Charge Function 02 (optional) is firmly connected.</li><li>· Check if the USB mode (p.7) is set to "Communication mode".</li></ul> <When using Bluetooth communication> <ul style="list-style-type: none"><li>· Check if the Bluetooth device is connected to the FOMA terminal via dial-up communication service.</li></ul> |
| Unable to connect with the access point. | <ul style="list-style-type: none"><li>· Check if the settings for the ID (user name) and password are correct.</li><li>· If the access point requires the Caller ID, make sure that "184" is not added to the phone number.</li><li>· Check if the box of "フロー制御を使う" (Use the flow control) of the modem property is checked.</li><li>· Check if the APN is set correctly.</li><li>· If you still cannot connect to the other end after checking the above, consult with the Internet service provider or network administrator about the setting method.</li></ul>                                                                                                                                                                                                      |

# AT Command List

## AT commands available on FOMA terminal

- The following abbreviations are used in the AT command list;  
 [&F] : Command of which setting is initialized by AT&F command.  
 [&W] : Command of which setting is saved by AT&W command. The setting can be retrieved by ATZ command.
- When you make a call via an external device or using AT command, the call is made from Number A in A mode/Dual mode, and from Number B in B mode.

## Modem port command list

The followings are the usable commands for "FOMA N07B (モデム)" (modem):

- When you execute commands via Bluetooth connection, a single-byte space is inserted after each ":" in the results.

| AT command                 | Outline                                                                                                                    | Parameter/description                                                                                                                                                                                                                                                                          | Command execution example                                                                                                                                                       |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A/                         | Executes the last executed command again. No carriage return is necessary.                                                 | —                                                                                                                                                                                                                                                                                              | A/<br>OK                                                                                                                                                                        |
| AT                         | —                                                                                                                          | The modem function of a FOMA terminal is controllable by adding the command of this table after this command.<br>* OK is answered even when only AT is entered.                                                                                                                                | AT<br>OK                                                                                                                                                                        |
| AT%V                       | Displays the version of the FOMA terminal.                                                                                 | —                                                                                                                                                                                                                                                                                              | AT%V<br>Ver1.00<br>OK                                                                                                                                                           |
| AT&C <i>n</i><br>[&F] [&W] | Selects the operating condition of the circuit CD signal to DTE.                                                           | <i>n</i> = 0 : CD is always ON.<br><i>n</i> = 1 : CD changes according to the carrier of the other party's modem (initial value).                                                                                                                                                              | AT&C1<br>OK                                                                                                                                                                     |
| AT&D <i>n</i><br>[&F] [&W] | Selects the operation to take place when the circuit ER signal received from DTE transits between ON and OFF.              | <i>n</i> = 0 : Ignores ER status (always assumed to be ON).<br><i>n</i> = 1 : When ER changes from ON to OFF, it becomes an on-line command status.<br><i>n</i> = 2 : If ER changes from ON to OFF, a connection is disconnected and it will be in an off-line command status (initial value). | AT&D1<br>OK                                                                                                                                                                     |
| AT&E <i>n</i><br>[&F] [&W] | Selects how to display the connection speed.                                                                               | <i>n</i> = 0 : Displays the wireless network transmission speed.<br><i>n</i> = 1 : Displays the DTE serial transmission speed (initial value).                                                                                                                                                 | AT&E0<br>OK                                                                                                                                                                     |
| AT&F <i>n</i>              | Restores all of registers to their defaults. If this command is input during communication, the line will be disconnected. | Only <i>n</i> = 0 can be specified (can be omitted).                                                                                                                                                                                                                                           | (At the time of off-line mode)<br>AT&F<br>OK<br>AT&F?<br>ERROR<br>AT&F = ?<br>ERROR<br>(At the time of on-line command mode)<br>AT&F<br>NO CARRIER<br>(Change to off-line mode) |
| AT&S <i>n</i><br>[&F] [&W] | Sets the Data Set Ready signal to be output to DTE.                                                                        | <i>n</i> = 0 : DR is always ON (initial value).<br><i>n</i> = 1 : DR signal is ON when the line is connected (when the communication call is established).                                                                                                                                     | AT&S0<br>OK                                                                                                                                                                     |

| AT command                          | Outline                                                                                                                                                                                                                           | Parameter/description                                                                                                                                                                                                                                                                                            | Command execution example                                                                           |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| AT&W <i>n</i>                       | Stores the current settings.                                                                                                                                                                                                      | Only <i>n</i> = 0 can be specified (can be omitted).                                                                                                                                                                                                                                                             | AT&W0<br>OK<br>AT&W<br>OK<br>AT&W?<br>ERROR<br>AT&W = ?<br>ERROR                                    |
| AT * DANTE                          | Displays the FOMA terminal signal reception level.                                                                                                                                                                                | 0 : FOMA terminal signal reception level is displayed as out of area.<br>1 : FOMA terminal signal reception level is 0 or 1 bar.<br>2 : FOMA terminal signal reception level is 2 bars.<br>3 : FOMA terminal signal reception level is 3 bars.                                                                   | AT * DANTE<br>* DANTE:3<br>OK<br><br>AT * DANTE = ?<br>* DANTE:(0-3)<br>OK                          |
| AT * DGANSM= <i>n</i>               | Sets the reject/permit mode setting for the packet incoming call. This command is effective for those incoming packet calls after the setting command is input.                                                                   | <i>n</i> = 0 : Disables the incoming call reject (AT * DGARL)/permit setting (AT * DGAPL) (initial value).<br><i>n</i> = 1 : Enables the incoming call reject setting.<br><i>n</i> = 2 : Enables the incoming call permit setting.<br>AT * DGANSM?<br>: Displays the current setting.                            | AT * DGANSM=0<br>OK<br>AT * DGANSM?<br>* DGANSM:0<br>OK                                             |
| AT * DGAPL= <i>n</i> [ <i>cid</i> ] | Sets APN, which permits incoming packet calls, by using < <i>cid</i> > parameter defined by +CGDCONT                                                                                                                              | <i>n</i> = 0 : Adds the APN defined by < <i>cid</i> > to incoming call permission list.<br><i>n</i> = 1 : Deletes the APN defined by < <i>cid</i> > from incoming call permission list.<br>If < <i>cid</i> > is omitted, this will apply to all cid.<br>AT * DGAPL?<br>: Displays incoming call permission list. | AT * DGAPL =0,1<br>OK<br>AT * DGAPL?<br>* DGAPL:1<br>OK<br>AT * DGAPL =1<br>OK<br>AT * DGAPL?<br>OK |
| AT * DGARL= <i>n</i> [ <i>cid</i> ] | Sets APN, which rejects incoming packet calls, by using < <i>cid</i> > parameter defined by +CGDCONT                                                                                                                              | <i>n</i> = 0 : Adds the APN defined by < <i>cid</i> > to incoming call rejection list.<br><i>n</i> = 1 : Deletes the APN defined by < <i>cid</i> > from incoming call rejection list.<br>If < <i>cid</i> > is omitted, this will apply to all cid.<br>AT * DGARL?<br>: Displays incoming call rejection list.    | AT * DGARL =0,1<br>OK<br>AT * DGARL?<br>* DGARL:1<br>OK<br>AT * DGARL =1<br>OK<br>AT * DGARL?<br>OK |
| AT * DGPIR= <i>n</i>                | This command validates the setting for notifying Caller ID when sending/receiving packet communication. Even in the dial up network setting, you can also add 186 (notify) or 184 (not notify) to the access point number. (p.26) | <i>n</i> = 0 : Uses APN as it is (initial value).<br><i>n</i> = 1 : Uses APN by adding "184". (Caller ID is always not sent.)<br><i>n</i> = 2 : Uses APN by adding "186". (Caller ID is always sent.)<br>AT * DGPIR?<br>: Displays the current setting.                                                          | AT * DGPIR =0<br>OK<br>AT * DGPIR?<br>* DGPIR:0<br>OK                                               |
| AT * DRPW                           | Displays the indicator value of the receiving power of the FOMA terminal.                                                                                                                                                         | —                                                                                                                                                                                                                                                                                                                | AT * DRPW<br>* DRPW:0<br>OK<br><br>AT * DRPW=?<br>* DRPW:(0-75)<br>OK                               |
| AT+CAOC                             | Inquires for the current charge.                                                                                                                                                                                                  | —                                                                                                                                                                                                                                                                                                                | AT+CAOC<br>+CAOC:"000014"<br>OK                                                                     |

| AT command | Outline                                                                                                                                                                              | Parameter/description                                                                                                                                                                                                                                                                                                                                              | Command execution example                                                                                                                                                                                                                |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AT+CBC     | Displays the battery status of the FOMA terminal.                                                                                                                                    | Result: +CBC:<bcs>,<bcl><br>bcs:<br>0 : FOMA terminal is powered by the battery.<br>1 : FOMA terminal is not powered by the battery.<br>2 : FOMA terminal is not connected to the battery.<br>3 : FOMA terminal is out of transmission due to the power-supply error.<br>bcl:<br>0 : Battery has run out, or battery is not connected.<br>1-100 : Battery remained | AT+CBC<br>+CBC:0,70<br>OK<br>AT+CBC?<br>ERROR<br>AT+CBC=?<br>+CBC:(0-3),(0-100)<br>OK                                                                                                                                                    |
| AT+CBST    | Changes the bearer service type.                                                                                                                                                     | Format: AT+CBST=<n>,1,0<br>n=116 : 64,000bps (bit transparent) (initial value)<br>n=134 : 64,000bps (multimedia)                                                                                                                                                                                                                                                   | AT+CBST=134,1,0<br>OK<br>AT+CBST?<br>+CBST:134,1,0<br>OK<br>AT+CBST=?<br>+CBST:(116,134),<br>(1),(0)<br>OK                                                                                                                               |
| [&F] [&W]  |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                          |
| AT+CDIP=n  | Sets whether to notify the called sub address for the incoming call. Inquires for Multi number subscription.                                                                         | n=0 : Not notify the called sub address (initial value).<br>n=1 : Notify the called sub address.<br><br>AT+CDIP?<br>: Displays the current setting.<br>+CDIP:n,m<br>m=0 : You do not subscribe to Multi number.<br>m=1 : You subscribe to Multi number.<br>m=2 : Unknown                                                                                           | AT+CDIP=0<br>OK<br><br>AT+CDIP?<br>+CDIP:0,1<br>OK                                                                                                                                                                                       |
| [&F] [&W]  |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                          |
| AT+CEER    | Displays the reason for disconnection of the previous call.                                                                                                                          | Result: +CEER:<report><br>report: List of disconnection reasons (p.50).                                                                                                                                                                                                                                                                                            | AT+CEER<br>+CEER:36<br>OK                                                                                                                                                                                                                |
| AT+CGDCONT | Sets the access point name (APN) for packet origination.                                                                                                                             | p.47                                                                                                                                                                                                                                                                                                                                                               | p.47                                                                                                                                                                                                                                     |
| AT+CGEQMIN | Registers a criterion to be used to decide whether or not to allow the QoS (quality of service) that is informed from the network side when PPP packet communication is established. | p.47                                                                                                                                                                                                                                                                                                                                                               | p.47                                                                                                                                                                                                                                     |
| AT+CGEQREQ | Sets the QoS (quality of service) to be requested to network when originating a PPP packet communication.                                                                            | p.48                                                                                                                                                                                                                                                                                                                                                               | p.48                                                                                                                                                                                                                                     |
| AT+CGMR    | Displays the version of the FOMA terminal.                                                                                                                                           | —                                                                                                                                                                                                                                                                                                                                                                  | AT+CGMR<br>12345xxxxxxxxxxx<br>OK                                                                                                                                                                                                        |
| AT+CGREG=n | Specifies whether to notify the network registration condition.<br>The returned notification displays whether you are inside or out of service.                                      | n=0 : Not informed (initial value).<br>n=1 : Informed.<br>Informed when switching between "Inside the service area" and "Outside the service area" is completed.<br>AT+CGREG?<br>: Displays the current setting.<br>+CGREG : <n>, <stat><br>n: Set value<br>stat :<br>0: Out of packet area<br>1: Within packet area<br>4: Unknown<br>5: Within packet area        | AT+CGREG=1<br>OK (Set to informed)<br>AT+CGREG?<br>+CGREG: 1,0<br>OK<br>AT+CGREG=?<br>+CGREG: (0,1)<br>OK<br>(Outside the service area)<br><br>(When you move from "outside the service area" to "inside the service area".)<br>+CGREG:1 |
| [&F] [&W]  |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                          |
| AT+CGSN    | Displays the product number of the FOMA terminal.                                                                                                                                    | —                                                                                                                                                                                                                                                                                                                                                                  | AT+CGSN<br>12345xxxxxxxxxxx<br>OK                                                                                                                                                                                                        |

| AT command                         | Outline                                                                                                           | Parameter/description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Command execution example                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| AT+CLIP= <i>n</i><br><br>[&F] [&W] | Displays the other party's Caller ID on a PC when a 64K data communication call is received.                      | <i>n</i> =0 : Not display the result (initial value)<br><i>n</i> =1 : Display the result<br><br>AT+CLIP?<br>: Displays the current setting.<br>+CLIP: <i>n,m</i><br><i>m</i> =0 : NW setting not notifying the other party of the Caller ID in outgoing call.<br><i>m</i> =1 : NW setting notifying the other party of the Caller ID in outgoing call.<br><i>m</i> =2 : Unknown                                                                                                                                                                                                                        | AT+CLIP=0<br>OK<br><br>AT+CLIP?<br>+CLIP:0,1<br>OK<br><br>(A call is received when +CLIP=1 is set)<br>RING<br>+CLIP:<br>"090XXXXXXXX",177,<br>"123",136 |
| AT+CLIR= <i>n</i>                  | Sets whether or not to notify the other party of the phone number when originating a 64K data communication call. | <i>n</i> =0 : Complies to the CLIR service contract.<br><i>n</i> =1 : Not notify the other party of the caller's phone number.<br><i>n</i> =2 : Notify the other party of the caller's phone number (initial value).<br><br>AT+CLIR?<br>: Displays the current setting.<br>+CLIR: <i>n,m</i><br><i>m</i> =0 : CLIR is not started (Caller ID is always sent)<br><i>m</i> =1 : CLIR is started (Caller ID is always not sent)<br><i>m</i> =2 : Unknown<br><i>m</i> =3 : CLIR temporary mode (default is not notify)<br><i>m</i> =4 : CLIR temporary mode (default is notify)                            | AT+CLIR=0<br>OK<br><br>AT+CLIR?<br>+CLIR:0,1<br>OK<br><br>AT+CLIR=?<br>+CLIR:(0-2)<br>OK                                                                |
| AT+CMEE= <i>n</i><br><br>[&F] [&W] | Sets whether the error report of the FOMA terminal is present.                                                    | <i>n</i> =0 : Use the ERROR result (initial value).<br><i>n</i> =1 : +CME ERROR:<err> result code is used, and a numeral value is used for <err>.<br><i>n</i> =2 : +CME ERROR:<err> result code is used, and characters are used for <err>.<br><br>AT+CMEE?<br>: Displays the current setting.<br>The command displayed on the right is the execution example for cases when there is a FOMA terminal problem or a connection error.<br><br>+CME ERROR result code is as follows.<br>1 : no connection to phone<br>10 : SIM not inserted<br>15 : SIM wrong<br>16 : incorrect password<br>100 : unknown | AT+CMEE=0<br>OK<br>AT+CNUM<br>ERROR<br>AT+CMEE=1<br>OK<br>AT+CNUM<br>+CME ERROR:10<br>AT+CMEE=2<br>OK<br>AT+CNUM<br>+CME ERROR:SIM not inserted         |
| AT+CNUM                            | Displays the own number of the FOMA terminal.                                                                     | Result: +CNUM;,<number>,<type><br>number: phone number<br>type : 129 or 145<br>129 : International access code (+) is not included.<br>145 : International access code (+) is included.                                                                                                                                                                                                                                                                                                                                                                                                                | AT+CNUM<br>+CNUM;,"+8190XXXXX<br>XXX",145<br>OK                                                                                                         |

| AT command | Outline                                                                       | Parameter/description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Command execution example                                                                                                              |
|------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| AT+COPS    | Selects the network operator to connect.                                      | <p>Format : AT+COPS=&lt;mode&gt;,2,&lt;oper&gt;</p> <p>mode=0 : automatic (searches the network and switches the network operator automatically)</p> <p>mode=1 : manual (connects to the network operator specified in &lt;oper&gt;)</p> <p>mode=2 : Disconnects the connection to the network operator</p> <p>mode=3 : Mapping is not performed.</p> <p>mode=4 : manual/automatic (if the connection to the network operator specified in &lt;oper&gt; fails, works as automatic mode.)</p> <p>&lt;oper&gt; is a hexadecimal value which consists of Country code (MCC) and Network code (MNC). The format is as follows:<br/> Digit 1 of MCC ··· octet 1 bits 1 to 4<br/> Digit 2 of MCC ··· octet 1 bits 5 to 8<br/> Digit 3 of MCC ··· octet 2 bits 1 to 4<br/> Digit 3 of MNC ··· octet 2 bits 5 to 8<br/> Digit 2 of MNC ··· octet 3 bits 5 to 8</p> | <p>AT+COPS=0<br/>OK<br/>AT+COPS?<br/>+COPS:0<br/>OK<br/>AT+COPS=?<br/>+COPS:(2,,,"44F001"),<br/>(3,,,"44F002"),,(0,1,3),(2)<br/>OK</p> |
| AT+CPAS    | Displays whether the control signal to the FOMA terminal is available or not. | <p>Result: +CPAS: &lt;pas&gt;</p> <p>pas:<br/> 0 : FOMA terminal can send/receive control signal.<br/> 1 : FOMA terminal can not send/receive control signal.<br/> 2 : Unknown (control signal sending/receiving is not assured).<br/> 3 : FOMA terminal can send/receive control signal and it is currently receiving.<br/> 4 : FOMA terminal can send/receive control signal and it is currently communicating.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>AT+CPAS<br/>+CPAS:0<br/>OK<br/>AT+CPAS?<br/>ERROR<br/>AT+CPAS=?<br/>+CPAS:(0-4)</p>                                                 |

| AT command        | Outline                                                                                                   | Parameter/description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Command execution example                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AT+CPIN           | Enters the PIN code in the FOMA terminal.                                                                 | <p>Format: AT+CPIN="<pin&gt;","&lt;newpin&gt;"< p=""> <p>This command is to enter the PIN1, PIN2, or PUK code - depending on the state of the result code returned when AT+CPIN? is entered - of the FOMA terminal.</p> <p>Even if PIN code entry or the PUK code is requested on the screen, depending on the state of the result code when AT+CPIN? is entered, you may not be able to use this command to enter the PIN. Do not use this command to change PIN code. Put &lt;pin&gt; and &lt;newpin&gt; in "".</p> <p>AT+CPIN? result</p> <p>+CPIN : READY : PIN1 code, PIN2 code</p> <p>Cannot enter the PUK1 or PUK2 code</p> <p>+CPIN : SIM PIN : PIN1 entry standby</p> <p>+CPIN : SIM PIN2 : PIN2 entry standby</p> <p>+CPIN : SIM PUK : PIN1 blocked (Can enter PUK1 code)</p> <p>+CPIN:SIM PUK2 : PIN2 blocked (Can enter PUK2 code)</p> <p>The command displayed on the right is an entry sample of PIN code "1234" and PUK code "12345678".</p> </pin&gt;","&lt;newpin&gt;"<></p> | <p>(The status in which +CPIN: READY is answered when +CPIN? is entered)</p> <p>AT+CPIN="1234" ERROR</p> <p>(The status in which +CPIN: READY is answered when +CPIN? is entered)</p> <p>AT+CPIN="12345678", "1234" ERROR</p> <p>(The status in which +CPIN: SIM PIN is answered when +CPIN? is entered)</p> <p>AT+CPIN="1234" OK</p> <p>(The status in which +CPIN: SIM PUK is answered when +CPIN? is entered: PIN1 lock status)</p> <p>AT+CPIN="12345678", "1234" OK</p> <p>(The status in which +CPIN: SIM PUK2 is answered when +CPIN? is entered: PIN2 lock status)</p> <p>AT+CPIN="12345678", "1234" OK</p> <p>AT+CPIN?<br/>+CPIN:READY</p> <p>OK</p> <p>AT+CPIN=?<br/>OK</p> |
| AT+CR= <i>n</i>   | When the line is connected, displays the bearer service type before the CONNECT result code is displayed. | <p><i>n</i> = 0 : Not display (initial value).</p> <p><i>n</i> = 1 : Display.</p> <p>&lt;serv&gt; : Displays only "GPRS", which means packet communication. (Displaying "SYNC" or "AV64K" depending on the line type.)</p> <p>AT+CR?:<br/>: Displays the current setting.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>AT+CR = 1<br/>OK</p> <p>ATD * 99 * * * 1 #<br/>+CR : GPRS<br/>CONNECT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| [&F] [&W]         |                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| AT+CRRC= <i>n</i> | Sets whether to use the extended result code for the incoming call.                                       | <p><i>n</i> = 0 : Not use +CRING (initial value).</p> <p><i>n</i> = 1 : Use +CRING.&lt;type&gt;.</p> <p>Format of +CRING:<br/>+CRING : SYNC<br/>+CRING : AV64K<br/>: GPRS "PPP" ... "&lt;APN&gt;"</p> <p>AT+CRRC?<br/>: Displays the current setting.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>AT+CRRC=0<br/>OK</p> <p>AT+CRRC?<br/>+CRRC : 0<br/>OK</p> <p>(PPPOverUD received)</p> <p>+CRING : SYNC (AV64K received)</p> <p>+CRING : AV64K (PPP packet received)</p> <p>+CRING : GPRS "PPP" ""<br/>"&lt;APN&gt;"</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [&F] [&W]         |                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| AT command          | Outline                                                                                                                                                                                                                                     | Parameter/description                                                                                                                                                                                                                                                                                                                                                                                         | Command execution example                                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AT+CREG= <i>n</i>   | Specifies whether the result screen is present regarding the inside/outside the service area information display.<br><ul style="list-style-type: none"> <li>This setting may not be available depending on the Operating System.</li> </ul> | <i>n</i> = 0 : Not informed (initial value).<br><i>n</i> = 1 : Informed.<br>Informed when switching between "Inside the service area" and "Outside the service area" is complete.<br>AT+CREG?<br>: Displays the current setting.<br>+CREG : < <i>n</i> >,<stat><br><i>n</i> : Set value<br>stat:<br>0: Outside voice call area<br>1: Inside voice call area<br>4: Unknown<br>5: Inside voice call area        | AT+CREG=1<br>OK<br>(Set to informed)<br><br>AT+CREG?<br>+CREG : 1,0<br>OK<br>(Outside the service area)<br>(When you move from outside the service area to inside the service area.)<br>+CREG : 1 |
| [&F] [&W]           |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                   |
| AT+CUSD             | Specifies or inquires for the network setting regarding the additional services.                                                                                                                                                            | Format: AT+CUSD=< <i>n</i> >,"<str>"[,<0>]<br><br><i>n</i> = 0 : Does not send mid result < <i>m</i> >[<str>,<dc>] (initial value)<br><i>n</i> = 1 : Sends mid result < <i>m</i> >[<str>,<dc>]<br><br>Mid result:<br><i>m</i> = 0 : The settings completed<br><i>m</i> = 1 : The network requires the information.<br><br>str : Only 0-9, #, * can be entered. Enclose <str> with "" (double quotation mark). | AT+CUSD=0, "xxxxxxxx"<br>OK<br>AT+CUSD=1, " * 148 * 1 * 0000#",0<br>+CUSD:0,"148 * 7#",0<br>OK<br>AT+CUSD?<br>+CUSD:0<br>OK<br>AT+CUSD=?<br>+CUSD:(0,1)<br>OK                                     |
| [&F] [&W]           |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                   |
| AT+FCLASS= <i>n</i> | Sets the communication class supported by the FOMA terminal.                                                                                                                                                                                | <i>n</i> =0 : data is only supported. (initial value)                                                                                                                                                                                                                                                                                                                                                         | AT+FCLASS=0<br>OK                                                                                                                                                                                 |
| [&F] [&W]           |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                   |
| AT+GCAP             | Displays the supported area for the AT commands available for the FOMA terminal.                                                                                                                                                            | Result: +GCAP:<area>,<area>,<area><br>area :<br>+CGSM : Some or all GSM commands are supported.<br>+FCLASS : +FCLASS command is supported.<br>+W : +W command is supported.                                                                                                                                                                                                                                   | AT+GCAP<br>+GCAP:+CGSM,+FCLASS,+W<br>OK                                                                                                                                                           |
| AT+GMI              | Displays the manufacturer name.                                                                                                                                                                                                             | —                                                                                                                                                                                                                                                                                                                                                                                                             | AT+GMI<br>NEC<br>OK                                                                                                                                                                               |
| AT+GMM              | Displays the FOMA terminal product name (FOMA N07B).                                                                                                                                                                                        | —                                                                                                                                                                                                                                                                                                                                                                                                             | AT+GMM<br>FOMA N07B<br>OK                                                                                                                                                                         |
| AT+GMR              | Displays the version of the FOMA terminal.                                                                                                                                                                                                  | —                                                                                                                                                                                                                                                                                                                                                                                                             | AT+GMR<br>Ver1.00<br>OK                                                                                                                                                                           |
| AT+IFC= <i>n,m</i>  | Selects the flow control method.                                                                                                                                                                                                            | <i>n</i> : DCE by DTE<br><i>m</i> : DTE by DCE<br>0 : No flow control<br>1 : XON/XOFF flow control.<br>2 : RS/CS (RTS/CTS) flow control.<br>initial value: <i>n,m</i> =2, 2<br>AT+IFC?: Displays the current setting.                                                                                                                                                                                         | AT+IFC=2,2<br>OK<br><br>AT+IFC?<br>+IFC : 2,2<br><br>OK<br><br>AT+IFC=?<br>+IFC : (0,1,2) ,(0,1,2)                                                                                                |
| [&F] [&W]           |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                               | OK                                                                                                                                                                                                |
| AT+WS46             | Displays the wireless communication network of the FOMA terminal.                                                                                                                                                                           | 12 : GSM/GPRS fixed mode<br>22 : 3G fixed mode<br>25 : Auto mode                                                                                                                                                                                                                                                                                                                                              | AT+WS46?<br>25<br>OK                                                                                                                                                                              |

| AT command                 | Outline                                                                                                                | Parameter/description                                                                                                                                                                                                                                                                                                                 | Command execution example                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AT¥S                       | Displays the contents of commands and S registers currently set.                                                       | —                                                                                                                                                                                                                                                                                                                                     | AT¥S<br>E1 Q0 V1 X4 &C1<br>&D2 &S0 &E1 ¥V0<br>S000=000<br>S002=043<br>S003=013<br>S004=010<br>S005=008<br>S006=005<br>S007=060<br>S008=003<br>S010=001<br>S030=000<br>S103=001<br>S104=001<br>OK                         |
| AT¥V <i>n</i><br>[&F] [&W] | Selects the response code specification for connecting the line.                                                       | <i>n</i> = 0 : Not use extended result code (initial value).<br><i>n</i> = 1 : Use extended result code.                                                                                                                                                                                                                              | AT¥V0<br>OK                                                                                                                                                                                                              |
| ATA                        | Handles the incoming call process according to the mode received by the FOMA terminal.                                 | —                                                                                                                                                                                                                                                                                                                                     | RING<br>ATA<br>CONNECT                                                                                                                                                                                                   |
| ATD                        | Handles the automatic calling process for the FOMA terminal according to the specified parameters and dial parameters. | ATD * 99 * * * <cid># : Packet communication<br><cid> 1 to 10: displays APN with +CGDCONT setting.<br><br>AT+CBST=116,1,0<br>ATD<phone number> : 64K communication<br><br>AT+CBST=134,1,0<br>ATD<phone number> : AV64K communication                                                                                                  | <Packet communication><br>ATD * 99 * * * 1#<br>CONNECT<br><br><64K communication><br>AT+CBST=116,1,0<br>OK<br>ATD090xxxxxxx<br>CONNECT<br><br><AV64K communication><br>AT+CBST=134,1,0<br>OK<br>ATD090xxxxxxx<br>CONNECT |
| ATE <i>n</i><br>[&F] [&W]  | Selects whether the echo back is present for DTE in the command mode.                                                  | <i>n</i> = 0 : Echo back absent.<br><i>n</i> = 1 : Echo back present (initial value).                                                                                                                                                                                                                                                 | ATE1<br>OK                                                                                                                                                                                                               |
| ATH <i>n</i>               | Performs on-hook operation for the FOMA terminal.                                                                      | <i>n</i> = 0 : Disconnect the line (can be omitted).                                                                                                                                                                                                                                                                                  | (During packet communication)<br>+++<br>OK<br>ATH<br>NO CARRIER                                                                                                                                                          |
| ATI <i>n</i>               | Displays the ID code.                                                                                                  | <i>n</i> = 0 : Displays "NTT DoCoMo".<br><i>n</i> = 1 : Displays the product name (same with +GMM).<br><i>n</i> = 2 : Displays the version of the FOMA terminal (same with +GMR).<br><i>n</i> = 3 : Displays the each element of ACMP signal.<br><i>n</i> = 4 : Displays the details of communication functions of the FOMA terminal. | ATI0<br>NTT DoCoMo<br>OK<br>ATI1<br>FOMA N07B<br>OK                                                                                                                                                                      |
| ATO <i>n</i>               | Returns from the online command mode to the online data mode during communication.                                     | <i>n</i> = 0 : Returns from online command mode to online data mode (can be omitted).                                                                                                                                                                                                                                                 | ATO<br>CONNECT                                                                                                                                                                                                           |
| ATQ <i>n</i><br>[&F] [&W]  | Specifies whether or not to display the result code for DTE.                                                           | <i>n</i> = 0 : Displays the result code (initial value).<br><i>n</i> = 1 : Not display the result code.                                                                                                                                                                                                                               | ATQ0<br>OK<br>ATQ1<br>(At that time, OK is not returned.)                                                                                                                                                                |

| AT command                      | Outline                                                                                    | Parameter/description                                                                                                                                                                    | Command execution example                                           |
|---------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| ATS0= <i>n</i><br><br>[&F] [&W] | Specifies how many times the FOMA terminal rings before it automatically receives a call.  | <i>n</i> = 0 : No automatic answer (initial value).<br><i>n</i> = 1 - 255: A call is automatically answered after the specified number of rings.<br>ATS0?: Displays the current setting. | ATS0=0<br>OK<br>ATS0?<br>000<br>OK                                  |
| ATS2= <i>n</i><br><br>[&F]      | Sets an escape character.                                                                  | <i>n</i> = 43 : Initial value.<br><i>n</i> = 127 : Escapes processing is invalid.<br>ATS2? : Displays the current setting.                                                               | ATS2=43<br>OK<br>ATS2?<br>043<br>OK                                 |
| ATS3= <i>n</i><br><br>[&F]      | Sets a carriage return (CR) character.                                                     | <i>n</i> = 13 : Initial value (Only <i>n</i> = 13 can be specified).<br>ATS3? : Displays the current setting.                                                                            | ATS3=13<br>OK<br>ATS3?<br>013<br>OK                                 |
| ATS4= <i>n</i><br><br>[&F]      | Sets a line feed (LF) character.                                                           | <i>n</i> = 10 : Initial value (Only <i>n</i> = 10 can be specified).<br>ATS4? : Displays the current setting.                                                                            | ATS4=10<br>OK<br>ATS4?<br>010<br>OK                                 |
| ATS5= <i>n</i><br><br>[&F]      | Sets a backspace (BS) character.                                                           | <i>n</i> = 8 : Initial value (Only <i>n</i> = 8 can be specified).<br>ATS5? : Displays the current setting.                                                                              | ATS5=8<br>OK<br>ATS5?<br>008<br>OK                                  |
| ATS6= <i>n</i><br><br>[&F]      | Sets the pause time (second) until a dial starting.                                        | This command can be set but cannot be operated.                                                                                                                                          | ATS6=5<br>OK<br>ATS6?<br>005<br>OK<br>ATS6=?<br>ERROR               |
| ATS8= <i>n</i><br><br>[&F]      | Sets the pause time (second) by using the comma dial.                                      | This command can be set but cannot be operated.                                                                                                                                          | ATS8=3<br>OK<br>ATS8?<br>003<br>OK<br>ATS8=?<br>ERROR               |
| ATS10= <i>n</i><br><br>[&F][&W] | Automatic disconnection delay time setting. (1/10 second)                                  | This command can be set but cannot be operated.                                                                                                                                          | ATS10=1<br>OK<br>ATS10?<br>001<br>OK<br>ATS10=?<br>ERROR            |
| ATS30= <i>n</i><br><br>[&F]     | Disconnects the line when there is no user data exchange for the time set in this command. | <i>n</i> = 0 : Inactive timer off (initial value)<br><i>n</i> = 0 - 255<br>Where <i>n</i> is the number of minutes.                                                                      | ATS30=0<br>OK<br><br>ATS30?<br>000<br>OK<br><br>ATS30=?<br>ERROR    |
| ATS103= <i>n</i><br><br>[&F]    | Sets the called sub address character.                                                     | <i>n</i> = 0 : *<br><i>n</i> = 1 : / (initial value)<br><i>n</i> = 2 : ¥ (¥ mark or back slash)                                                                                          | ATS103=0<br>OK<br><br>ATS103?<br>000<br>OK<br><br>ATS103=?<br>ERROR |

| AT command                    | Outline                                                                                                                                                 | Parameter/description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Command execution example                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| ATS104= <i>n</i><br><br>[&F]  | Sets the calling sub address character.                                                                                                                 | <i>n</i> = 0 : #<br><i>n</i> = 1 : % (initial value)<br><i>n</i> = 2 : &                                                                                                                                                                                                                                                                                                                                                                                                                            | ATS104=0<br>OK<br><br>ATS104?<br>000<br>OK<br><br>ATS104=?<br>ERROR               |
| ATV <i>n</i><br><br>[&F] [&W] | Specifies whether the result code is returned in numerals or alphabets.                                                                                 | <i>n</i> = 0 : Returns the result code in numeral value.<br><i>n</i> = 1 : Returns the result code in characters (initial value).                                                                                                                                                                                                                                                                                                                                                                   | ATV1<br>OK                                                                        |
| ATX <i>n</i><br><br>[&F] [&W] | Specifies whether the speed indication is present in the CONNECT display when connecting the line.<br>Also detects a busy tone or a dial tone.          | <i>n</i> = 0 : Without dial tone detection; without busy tone detection; without speed display.<br><i>n</i> = 1 : Without dial tone detection; without busy tone detection; with speed display.<br><i>n</i> = 2 : With dial tone detection; without busy tone detection; with speed display.<br><i>n</i> = 3 : Without dial tone detection; with busy tone detection; with speed display.<br><i>n</i> = 4 : With dial tone detection; with busy tone detection; with speed display. (initial value) | ATX1<br>OK                                                                        |
| ATZ                           | Resets the current setting to the contents of the non-volatile memory.<br>If this command is input during communication, the line will be disconnected. | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (Online command mode)<br>ATZ<br>NO CARRIER<br>(Offline command mode)<br>ATZ<br>OK |
| +++                           | In response to the escape sequence, the online data mode changes to the online command mode while maintaining the line connection.                      | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (Online data mode)<br>+++ (No display)<br>OK                                      |

## ● Supplementary explanation of AT command

### ■ Commands which do not function

The following commands do not generate errors but will not function as a command:

- ATT (Tone setting)
- ATP (Pulse setting)

### ■ Command name: +CGDCONT=[parameter]

#### • Outline

Sets the access point name (APN) for packet origination.

Though this command is a setting command, it will not be recorded in non-volatile memory written by [&W], nor reset by [&F] or [Z].

#### • Format

+CGDCONT=[ <cid>[ , "<PDP\_type>"[ , "<APN>" ] ] ]

#### • Explanation of the parameters

Sets the access point name (APN) for packet origination. See the following command execution example:

<cid>\*1 : 1 ~ 10

<PDP\_type>\*2 : PPP or IP

<APN>\*3 : Any value

\*1 : <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for a packet communication. For the FOMA terminal, you can register from number 1 to 10. As "mopera.ne.jp" is assigned to <cid>=1, "mopera.net" to <cid>=2 and 3, and <cid>=4 to "mpr.ex-pkt.net", respectively by default, assign the APN to cid5 to cid10.

\*2 : <PDP\_type> is the connection method. For the FOMA terminal, you can specify PPP or IP. PPP is assigned to <cid>=1, 2 and 4, and IP is assigned to <cid>=3 by default.

\*3 : <APN> is an arbitrary character string indicating each access point name.

#### • Operation performed when the parameter is omitted

+CGDCONT= : Sets the initial value to all <cid>.

+CGDCONT=<cid> : Sets the specified <cid> to the initial value.

+CGDCONT=? : Displays a list of values that can be set.

+CGDCONT? : Displays the current setting.

#### • Command execution example

Command for registering an APN name of abc (when cid is 5).

AT+CGDCONT=5,"PPP","abc"

OK

### ■ Command name: +CGEQMIN=[parameter]

#### • Outline

Registers a criterion to be used to decide whether or not to allow the QoS (quality of service) that is informed from the network side when PPP packet communication is established.

There are 4 setting patterns as described in the following command execution example.

Though this command is a setting command, it will not be recorded in non-volatile memory written by [&W], nor reset by [&F] or [Z].

#### • Format

+CGEQMIN=[<cid>[ , "<Maximum bitrate UL>"[ , "<Maximum bitrate DL>" ] ] ]

#### • Explanation of the parameters

<cid>\*1 : 1 ~ 10

<Maximum bitrate UL>\*2 : None (initial value) or 5,760

<Maximum bitrate DL>\*2 : None (initial value) or 7,232

\*1 : <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for a packet communication.

\*2 : <Maximum bitrate UL> and <Maximum bitrate DL> set the maximum communication speed (kbps) of uplink and downlink between the FOMA terminal and base station. When it is set to "None" (initial value), all speeds will be permitted, but when set to 5,760 or 7,232, a connection at a speed of other values will not be permitted, and a packet communication may not be connected.

#### • Operation performed when the parameter is omitted

+CGEQMIN= : Sets the initial value to all <cid>.

+CGEQMIN=<cid> : Sets the specified <cid> to the initial value.

+CGEQMIN=? : Displays a list of values that can be set.

+CGEQMIN? : Displays the current setting.

- **Command execution example**

Only the following 4 patterns can be set. (1) is set as an initial value to each cid.

- (1) Command for permitting all speeds of both uplink and downlink (when cid is 5)  
AT+CGEQMIN=5  
OK
- (2) Command for permitting only the speed of uplink 5,760kbps and downlink 7,232kbps (when cid is 6)  
AT+CGEQMIN=6,,5760,7232  
OK
- (3) Command for permitting uplink 5,760kbps and all speeds of downlink (when cid is 7)  
AT+CGEQMIN=7,,5760  
OK
- (4) Command for permitting all speeds of uplink and only 7,232kbps of downlink (when cid is 8)  
AT+CGEQMIN=8,,,7232  
OK

■ **Command name: +CGEQREQ=[parameter]**

- **Outline**

Sets the QoS (quality of service) to be requested to network when originating a PPP packet communication.

For setting, only the following pattern in the command execution example can be set, which is also set as an initial value.

Though this command is a setting command, it will not be recorded in non-volatile memory written by [&W], nor reset by [&F] or [Z].

- **Format**

+CGEQREQ=[<cid>]

- **Explanation of the parameters**

<cid>\* : 1 to 10

\* : <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for a packet communication.

- **Operation performed when the parameter is omitted**

+CGEQREQ= : Sets the initial value to all <cid>.

+CGEQREQ=<cid> : Sets the specified <cid> to the initial value.

+CGEQREQ=? : Displays a list of values that can be set.

+CGEQREQ? : Displays the current setting.

- **Command execution example**

Only the following 1 pattern can be set. This is set to each cid as an initial value.

Command for requesting a connection at a speed of uplink 5,760kbps and downlink 7,232kbps (when cid is 5).

AT+CGEQREQ=5

OK

## **Saving modem port command setting value**

The values set by AT commands are initialized every time the power of FOMA terminal is turned on or off, except the access point name (APN) set by AT+CGDCONT command (p.24), QoS setting by AT+CGEQMIN/AT+CGEQREQ command, permit or reject incoming call setting by AT \* DGAPL/AT \* DGARL/AT \* DGANSM command, the setting for specifying sending/not sending caller ID of packet communication set by AT \* DGPIR command and the setting for specifying sending/not sending caller ID of 64K data communication set by AT+CLIR command. However, you can save the values set by commands with [&W] if you enter

AT&W 

after the setting. In this case, other set values with [&W] will also be saved. These values can be retrieved by entering

ATZ 

even after the power is turned on or off.

## Result codes

### Result codes related with data communication

| Number indication | Character indication | Description                        |
|-------------------|----------------------|------------------------------------|
| 0                 | OK                   | Successfully executed.             |
| 1                 | CONNECT              | Connected.                         |
| 2                 | RING                 | Incoming call.                     |
| 3                 | NO CARRIER           | Line disconnected.                 |
| 4                 | ERROR                | Command not acceptable.            |
| 6                 | NO DIALTONE          | Unable to detect dialing tone.     |
| 7                 | BUSY                 | Busy tone detected.                |
| 8                 | NO ANSWER            | Time out in connection completing. |
| 100               | RESTRICTION          | Network restricted.                |
| 101               | DELAYED              | Redialing restricted.              |

### Extended result codes

#### • &E0

| Number indication | Character indication | Description                                                           |
|-------------------|----------------------|-----------------------------------------------------------------------|
| 122               | CONNECT 64000        | Connected between the FOMA terminal and base station at 64,000bps.    |
| 125               | CONNECT 384000       | Connected between the FOMA terminal and base station at 384,000bps.   |
| 133               | CONNECT 3648000      | Connected between the FOMA terminal and base station at 3,648,000bps. |
| 135               | CONNECT 7232000      | Connected between the FOMA terminal and base station at 7,232,000bps. |

#### • &E1

| Number indication | Character indication | Description                                               |
|-------------------|----------------------|-----------------------------------------------------------|
| 5                 | CONNECT 1200         | Connected between the FOMA terminal and PC at 1,200bps.   |
| 10                | CONNECT 2400         | Connected between the FOMA terminal and PC at 2,400bps.   |
| 11                | CONNECT 4800         | Connected between the FOMA terminal and PC at 4,800bps.   |
| 13                | CONNECT 7200         | Connected between the FOMA terminal and PC at 7,200bps.   |
| 12                | CONNECT 9600         | Connected between the FOMA terminal and PC at 9,600bps.   |
| 15                | CONNECT 14400        | Connected between the FOMA terminal and PC at 14,400bps.  |
| 16                | CONNECT 19200        | Connected between the FOMA terminal and PC at 19,200bps.  |
| 17                | CONNECT 38400        | Connected between the FOMA terminal and PC at 38,400bps.  |
| 18                | CONNECT 57600        | Connected between the FOMA terminal and PC at 57,600bps.  |
| 19                | CONNECT 115200       | Connected between the FOMA terminal and PC at 115,200bps. |
| 20                | CONNECT 230400       | Connected between the FOMA terminal and PC at 230,400bps. |
| 21                | CONNECT 460800       | Connected between the FOMA terminal and PC at 460,800bps. |

### Communication protocol result codes

| Number indication | Character indication | Description                                    |
|-------------------|----------------------|------------------------------------------------|
| 1                 | PPPOverUD            | Connected by PPPOverUD (BC=UDI, +CBST=116,1,0) |
| 3                 | AV64K                | Connected by AV (Videophone) [64K]             |
| 5                 | PACKET               | Connected by Packet                            |

#### NOTE

- The result code appears as character indication (default value) when ATV*n* command (p.46) is set to *n*=1, and as number indication when the command is set to *n*=0.
- Though the communication speed appears in order to maintain a compatibility with the modem connected by traditional RS-232C, it differs from the actual connection speed because the FOMA terminal and PC are connected via FOMA USB Cable with Charge Function 02 (optional) or via Bluetooth Communication.
- "RESTRICTION" (Number indication: 100) indicates that the network is congested. If this is displayed, wait for a while and then try again.

## Result code display example

### ■ When ATX0 is set

Regardless of the AT+Vn command (p.44) setting, only CONNECT appears when the connection is completed.

Character indication example: ATD \* 99 \* \* \* 1#  
CONNECT

Number indication example: ATD \* 99 \* \* \* 1#  
1

### ■ When ATX1 is set

#### • ATX1, AT+V0 are set (default)

Displayed in CONNECT <rate between the FOMA terminal and the PC> format when the connection is completed.

Character indication example: ATD \* 99 \* \* \* 1#  
CONNECT 460800

Number indication example: ATD \* 99 \* \* \* 1#  
1 21

#### • ATX1, AT+V1 are set \*

The following format appears when the connection is completed:

CONNECT <rate between the FOMA terminal and the PC> PACKET <Connecting party's APN>/<Upstream (the FOMA terminal → Wireless base station) maximum rate>/<Downstream (the FOMA terminal ← Wireless base station) maximum rate>

The following sample indicates that a connection is made to mopera.ne.jp at maximum 5,760kbps for sending, and maximum 7,232kbps for receiving.

Character indication example: ATD \* 99 \* \* \* 1#  
CONNECT 460800 PACKET mopera.ne.jp/5760/7232

Number indication example: ATD \* 99 \* \* \* 1#  
1 21 5

\* : If both ATX1 and AT+V1 are set simultaneously, a dial-up connection may not be correctly made. The single setting of AT+V0 is recommended.

## List of disconnection reasons

### ■ Packet communication

| Value    | Reason                                   |
|----------|------------------------------------------|
| 26<br>27 | Missing or incorrect APN.                |
| 30       | Activation rejected by the network.      |
| 33       | Requested service option not subscribed. |
| 36       | Disconnected successfully.               |

### ■ 64K data communication

| Value | Reason                                                                  |
|-------|-------------------------------------------------------------------------|
| 1     | The specified number does not exist.                                    |
| 16    | Disconnected successfully.                                              |
| 17    | Cannot communicate because the other party's line is busy.              |
| 18    | Dialed, but no response within the specified time.                      |
| 19    | Cannot communicate because the other party is ringing.                  |
| 21    | The other party has rejected the communication.                         |
| 63    | The service or option of the network is not valid.                      |
| 65    | A transmission capacity not provided has been specified.                |
| 88    | Sent to a terminal with different terminal attributes or received call. |

# Kuten Code List

# Kuten Code List

## <Guide to the kuten code table>

First enter "digits 1-3 of the kuten code" then "digit 4".

- Some kuten codes in the table here may look different from what actually appear on screens.

| First to third digits of Kuten codes | Fourth digit of Kuten codes |   |   |   |   |   |   |   |   | First to third digits of Kuten codes | Fourth digit of Kuten codes |    |    |     |    |    |    |     |      | First to third digits of Kuten codes | Fourth digit of Kuten codes |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------|-----------------------------|---|---|---|---|---|---|---|---|--------------------------------------|-----------------------------|----|----|-----|----|----|----|-----|------|--------------------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|
|                                      | 0                           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |                                      | 9                           | 0  | 1  | 2   | 3  | 4  | 5  | 6   | 7    |                                      | 8                           | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 010                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 075                                  | б                           | в  | г  | д   | е  | ж  | з  | и   | й    | 191                                  | 蟹                           | 開 | 階 | 凱 | 劾 | 咳 | 害 | 崖 | 崖 | 崖 | 崖 |   |
| 011                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 076                                  | к                           | л  | м  | н   | о  | п  | р  | с   | т    | 192                                  | 慨                           | 概 | 涇 | 該 | 該 | 該 | 該 | 涇 | 涇 | 涇 | 涇 |   |
| 012                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 077                                  | ф                           | х  | ц  | ч   | ш  | щ  | ы  | ь   | э    | 193                                  | 蝦                           | 蝦 | 蝦 | 蝦 | 蝦 | 蝦 | 蝦 | 蝦 | 蝦 | 蝦 | 蝦 |   |
| 013                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 078                                  | ю                           | я  |    |     |    |    |    |     |      | 194                                  | 蛭                           | 蛭 | 蛭 | 蛭 | 蛭 | 蛭 | 蛭 | 蛭 | 蛭 | 蛭 | 蛭 |   |
| 014                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 080                                  |                             |    |    |     |    |    |    |     |      | 195                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 015                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 081                                  |                             |    |    |     |    |    |    |     |      | 196                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 016                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 082                                  |                             |    |    |     |    |    |    |     |      | 197                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 017                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 083                                  |                             |    |    |     |    |    |    |     |      | 198                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 018                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |                                      |                             |    |    |     |    |    |    |     |      | 199                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 019                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |                                      |                             |    |    |     |    |    |    |     |      | 200                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 020                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 130                                  | ①                           | ②  | ③  | ④   | ⑤  | ⑥  | ⑦  | ⑧   | ⑨    | 201                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 021                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 131                                  | ⑩                           | ⑪  | ⑫  | ⑬   | ⑭  | ⑮  | ⑯  | ⑰   | ⑱    | 202                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 022                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 132                                  | ⑲                           | ⑳  | ㉑  | ㉒   | ㉓  | ㉔  | ㉕  | ㉖   | ㉗    | 203                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 023                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 133                                  | X                           | I  | II | III | IV | V  | VI | VII | VIII | 204                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 024                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 134                                  | km                          | mg | cc | cm  | mm | cm | mm | cm  | mm   | 205                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
|                                      |                             |   |   |   |   |   |   |   |   | 135                                  |                             |    |    |     |    |    |    |     |      | 206                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 026                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 136                                  | ㊦                           | ㊧  | ㊨  | ㊩   | ㊪  | ㊫  | ㊬  | ㊭   | ㊮    | 207                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 027                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 137                                  | ㊯                           | ㊰  | ㊱  | ㊲   | ㊳  | ㊴  | ㊵  | ㊶   | ㊷    | 208                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 028                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 138                                  | ㊸                           | ㊹  | ㊺  | ㊻   | ㊼  | ㊽  | ㊾  | ㊿   |      | 209                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 029                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 139                                  | ㊿                           |    |    |     |    |    |    |     |      |                                      |                             |   |   |   |   |   |   |   |   |   |   |   |
|                                      |                             |   |   |   |   |   |   |   |   |                                      |                             |    |    |     |    |    |    |     |      |                                      |                             |   |   |   |   |   |   |   |   |   |   |   |
| 031                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 160                                  | ㊿                           |    |    |     |    |    |    |     |      | 210                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 032                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 161                                  | ㊿                           |    |    |     |    |    |    |     |      | 211                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 033                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 162                                  | ㊿                           |    |    |     |    |    |    |     |      | 212                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 034                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 163                                  | ㊿                           |    |    |     |    |    |    |     |      | 213                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 035                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 164                                  | ㊿                           |    |    |     |    |    |    |     |      | 214                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 036                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 164                                  | ㊿                           |    |    |     |    |    |    |     |      | 215                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 037                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 165                                  | ㊿                           |    |    |     |    |    |    |     |      | 216                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 038                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 166                                  | ㊿                           |    |    |     |    |    |    |     |      | 217                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 039                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 167                                  | ㊿                           |    |    |     |    |    |    |     |      | 218                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 040                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 168                                  | ㊿                           |    |    |     |    |    |    |     |      | 219                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 041                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 169                                  | ㊿                           |    |    |     |    |    |    |     |      | 220                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 042                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 170                                  | ㊿                           |    |    |     |    |    |    |     |      | 221                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 043                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 171                                  | ㊿                           |    |    |     |    |    |    |     |      | 222                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 044                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 172                                  | ㊿                           |    |    |     |    |    |    |     |      | 223                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 045                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 173                                  | ㊿                           |    |    |     |    |    |    |     |      | 224                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 046                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |                                      |                             |    |    |     |    |    |    |     |      | 225                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 047                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |                                      |                             |    |    |     |    |    |    |     |      | 226                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 048                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |                                      |                             |    |    |     |    |    |    |     |      | 227                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
|                                      |                             |   |   |   |   |   |   |   |   |                                      |                             |    |    |     |    |    |    |     |      |                                      |                             |   |   |   |   |   |   |   |   |   |   |   |
| 050                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 173                                  | ㊿                           |    |    |     |    |    |    |     |      | 227                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 051                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 174                                  | ㊿                           |    |    |     |    |    |    |     |      | 228                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 052                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 175                                  | ㊿                           |    |    |     |    |    |    |     |      | 229                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 053                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 176                                  | ㊿                           |    |    |     |    |    |    |     |      | 230                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 054                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 177                                  | ㊿                           |    |    |     |    |    |    |     |      | 231                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 055                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 178                                  | ㊿                           |    |    |     |    |    |    |     |      | 232                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 056                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 178                                  | ㊿                           |    |    |     |    |    |    |     |      | 233                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 057                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 179                                  | ㊿                           |    |    |     |    |    |    |     |      | 234                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 058                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 180                                  | ㊿                           |    |    |     |    |    |    |     |      | 235                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
|                                      |                             |   |   |   |   |   |   |   |   |                                      |                             |    |    |     |    |    |    |     |      |                                      |                             |   |   |   |   |   |   |   |   |   |   |   |
| 060                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 181                                  | ㊿                           |    |    |     |    |    |    |     |      | 236                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 061                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 182                                  | ㊿                           |    |    |     |    |    |    |     |      | 237                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 062                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 183                                  | ㊿                           |    |    |     |    |    |    |     |      | 238                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 063                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 184                                  | ㊿                           |    |    |     |    |    |    |     |      | 239                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 064                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 185                                  | ㊿                           |    |    |     |    |    |    |     |      | 240                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 065                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 186                                  | ㊿                           |    |    |     |    |    |    |     |      | 241                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
|                                      |                             |   |   |   |   |   |   |   |   | 187                                  | ㊿                           |    |    |     |    |    |    |     |      | 242                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 070                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 188                                  | ㊿                           |    |    |     |    |    |    |     |      | 243                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 071                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 189                                  | ㊿                           |    |    |     |    |    |    |     |      | 244                                  | 蛄                           | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 | 蛄 |   |
| 072                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | 190                                  | ㊿                           |    |    |     |    |    |    |     |      |                                      |                             |   |   |   |   |   |   |   |   |   |   |   |
| 073                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |                                      |                             |    |    |     |    |    |    |     |      |                                      |                             |   |   |   |   |   |   |   |   |   |   |   |
| 074                                  | !                           | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |                                      |                             |    |    |     |    |    |    |     |      |                                      |                             |   |   |   |   |   |   |   |   |   |   |   |

[illegible]



