NTT docomo

N-05B

INSTRUCTION MANUAL **'10.5**

docomo STYLE series

DOCOMO W-CDMA and GSM/GPRS Systems

Thank you for choosing "docomo STYLE series N-05B".
Before use, be sure to thoroughly read this manual to ensure that you use N-05B correctly.

How to use N-05B

The operations of N-05B 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-05B standby screen, MENU ▶ "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**
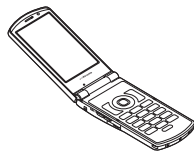
N-05B (including written warranty and Back Cover N45)

N-05B INSTRUCTION MANUAL

Battery Pack N23

CD-ROM for N-05B

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

Before using this manual

- ・ Note that "N-05B" is referred to as "FOMA terminal" in this manual.
- ・ This manual uses the default settings and screen shots for "white" to describe operations. To read a screen easily in this manual, "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. Then may differ from the actual displays.
- ・ Unauthorized copying of parts or this entire 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 incomprehensive 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, Text memo, 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-05B

▮▮▮ 使いかたガイド (Guide)

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.

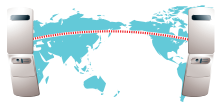MENU ▶ **"Tool"** ▶ **"Guide"**

▮▮▮ Lock function

Various lock functions are available for using FOMA terminal safely.

▮▮▮ International roaming

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).

▮▮▮ AUTO-GPS

With AUTO-GPS function, you can use useful services such as weather information of your location, neighboring information such as shops etc., or sightseeing information. This service is only available in Japanese.

▮▮▮ Camera

You can shoot large image in 8 M size (2,448 x 3,264 dots) whose effective pixels are approximately 8.1 million CMOS (Rear Camera) one after another in Quick Shot. Modes such as Art photo mode, Beauty mode, etc. for taking stylish photos simply and finely are installed.

▮▮▮ i-concier

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

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Part Names and Functions

Front camera

Multi-function keys
⚲/⚲: Up/Down key
・ 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).

Earpiece
Hear other party's voice from here.

Display

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

📷 key
Start the Camera.

📖 key
Display the iMenu/ Search 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

MULTI Multi key
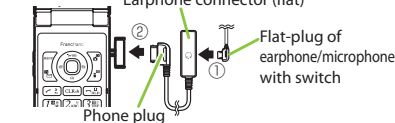Display the TASK MENU screen.

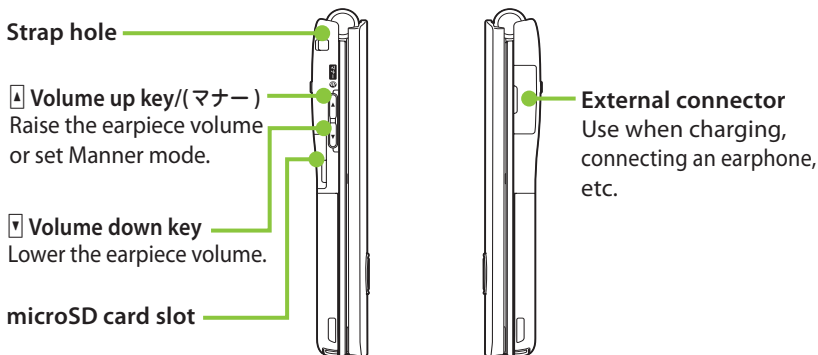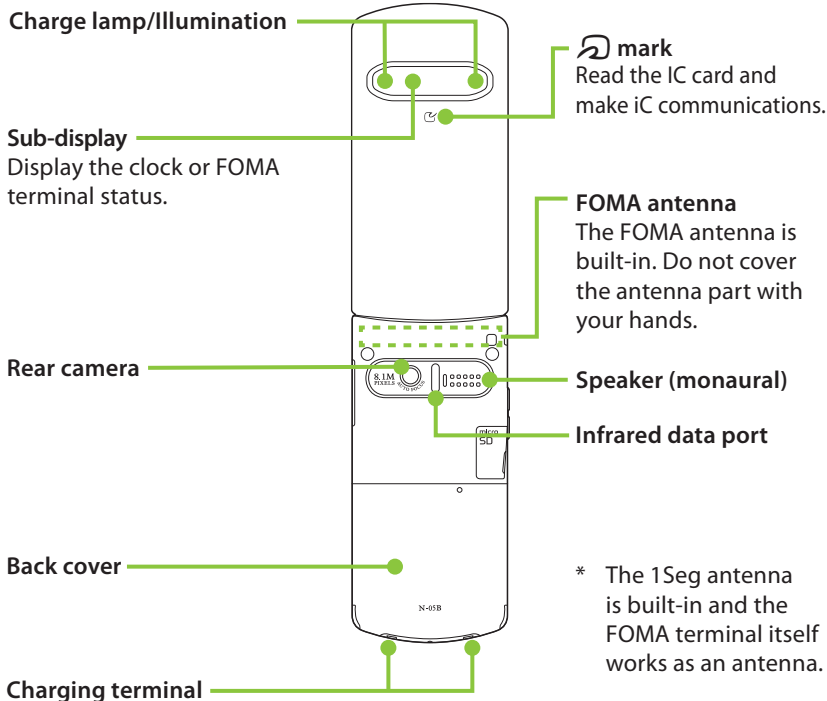**Mouthpiece/Microphone**

<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

Earphone connector (flat)

② ①

Flat-plug of earphone/microphone with switch

Phone plug

Charge lamp/Illumination

Sub-display
Display the clock or FOMA
terminal status.

ㅊ mark
Read the IC card and
make iC communications.

FOMA antenna
The FOMA antenna is
built-in. Do not cover
the antenna part with
your hands.

Rear camera

Speaker (monaural)

Infrared data port

Back cover

* The 1Seg antenna
is built-in and the
FOMA terminal itself
works as an antenna.

Charging terminal

N-05B

Strap hole

ᴀ Volume up key/(マナー)
Raise the earpiece volume
or set Manner mode.

ᴠ Volume down key
Lower the earpiece volume.

microSD card slot

External connector
Use when charging,
connecting an earphone,
etc.

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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:

⚠ **DANGER**	Indicates that death or serious bodily injury may result directly and immediately from improper use.
⚠ **WARNING**	Indicates that death or serious bodily injury may result from improper use.
⚠ **CAUTION**	Indicates that bodily injury and/or result from improper use.

■ The following symbols indicate specific directions:

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

❗ Do	Indicates that it is an instruction-based compulsory conduct (must be acted).
Unplug	Indicates that you must unplug the power code 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)

⚠ 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.

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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 code 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-αppli 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.

Introduction

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.
The display and camera lens surfaces are covered by plastic to minimize the possibility of glass scattering. However, touching broken or exposed parts may cause injury.

⚠ CAUTION

Do not swing the FOMA terminal by its 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 and motion tracking, 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

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

Don't

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.

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.

Do

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.

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.

Do

→"Material list" (p.12)

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

Do

Such pinching may cause injury.

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

Do

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**

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.

Don't

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

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.

Don't

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

Do not throw the battery pack into fire.

Don't

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

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

Don't

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

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.

Do

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

⚠ **WARNING**

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

Don't

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.

Do

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.

Do

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.

Don't

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.

Don't

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.

Do

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.

4. Precautions for the Adapter

⚠ WARNING

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

Don't

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.

Don't

Doing so may cause fire, burns or electric shock.

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

Don't

Doing so may cause fire, burns or electric shock.

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

Don't

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.).

Don't

Doing so may cause fire, burns or electric shock.

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

Don't

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.

Don't

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.

No 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.

Do

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)

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

Do

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.

Do

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.
Do
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.
Do
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.
Unplug
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.
Unplug
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.
Unplug
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).
Do
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
• 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.
Do
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.
Do
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.
Do
Radio waves from the FOMA terminal can adversely affect electronic medical devices.

■ Material list

Parts		Material/Coating
External chassis	Key	Nylon resin/UV coating
	Sub-display	Polycarbonate resin/UV coating
	Battery pack storage	
	Back cover	
	Hinge cap	ABS resin/UV coating
	Ornament cap	Polyurethane rubber
Display panel		Acrylic resin/Hard coating
	Strike pad	Silicon rubber
Sub-display panel		Acrylic resin/Aluminum deposition, Hard coating
Rear camera panel		Acrylic resin/Hard coating
Key	OK key	Polycarbonate resin/Aluminum deposition, UV coating
	Sidekey	
	Other keys	Polycarbonate resin/UV coating
Key enclosing sheet		PET resin/Hard coating
External connector cap		Polycarbonate/ABS resin, Elastomer resin/UV coating
microSD card slot cap		
Charging terminal		Phosphor bronze/Gold plating
Battery pack storage	Storage	Stainless alloy
	Inner frame	Polycarbonate resin
	Battery terminal	Phosphor bronze/Gold plating
	Screw	Iron/Zinc plating (chromating)
Battery terminal	Battery terminal connector	Nylon resin
	Terminal	Titanium copper/Gold plating
Battery pack (terminal)	Battery pack	Resin: Polycarbonate resin Label: PET resin
	Terminal	Glass epoxy resin/Gold plating

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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

● **Avoid using the FOMA terminal in extremely high or low temperatures.**
The ambient temperature of the room should be 5℃ to 35℃ 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 code.**
Doing so may cause malfunction or damage.

● **Do not fold the FOMA terminal with the strap pinched between the folding 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 and microSD card slot 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 an extremely-thick sticker, etc. on the display, keys or keypads.**
Doing so may cause malfunction.

● **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℃ to 35℃ .**

● **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 for a long period of time 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 for a long period of time with two or three battery marks displayed.

Handling the Adapter

● **The ambient temperature of the room should be 5℃ to 35℃ .**

● **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.

Handling the FeliCa Reader/Writer

● **The FeliCa reader/writer function of the FOMA terminal handles delicate signals that require no radio station license.**

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● **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 that 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 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

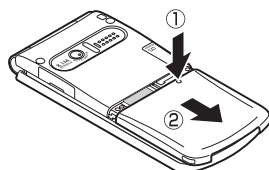## Attaching UIM (FOMA card)/battery pack

Make sure to turn the power off before attaching/removing the UIM (FOMA card) or the battery pack. Also, keep the FOMA terminal folded and 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.
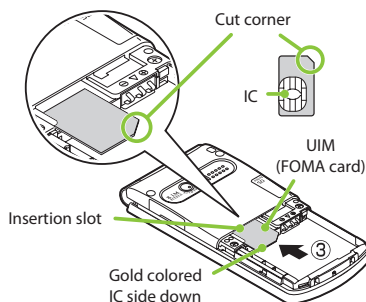
❶ Remove the back cover.
Press the back cover in direction ① and slide it in direction ②.

❷ Insert the UIM (FOMA card).
Insert the card into the slot until it locks in place in direction ③ with the gold colored IC side down.

Cut corner

IC

UIM (FOMA card)

Insertion slot

Gold colored IC side down

❸ Attach the battery pack.
With the [A] 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.
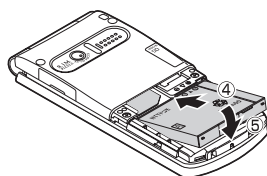
❹ Attach the back cover.
Lift the back cover about 3 mm and align it to the groove of the FOMA terminal. Press the back cover in direction ⑥, slide it in direction ⑦ and press the back cover until it clicks.

Make sure that there is no space between the Back cover and the FOMA terminal.

Approx. 3mm

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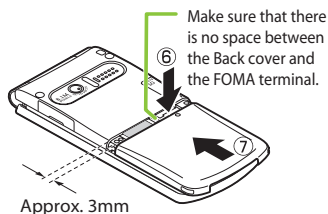
Charging

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

Charging with the desktop holder

❶ **Plug the connector of the AC adapter (optional) horizontally to the terminal on the back of the desktop holder (optional).**

❷ **Plug the AC adapter into the outlet.**

❸ **As shown in the illustration, hold the desktop holder down and securely place the FOMA terminal in direction ①.**
  · Take care not to pinch the strap, etc. when attaching it.
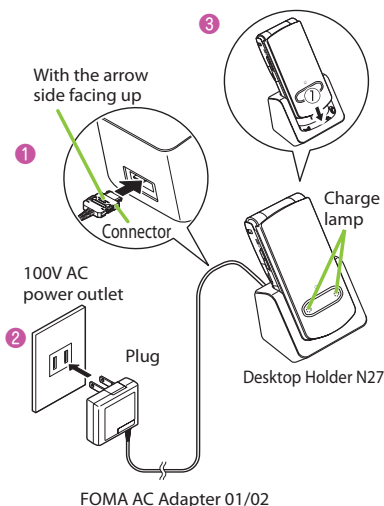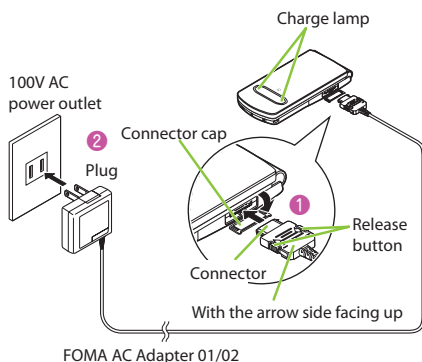 · The charge lamp lights up when charging starts. The charge lamp turns off when charging ends (fully charged).

❹ **After charging is complete, hold down the desktop holder, then remove the FOMA terminal in reverse procedure of attaching.**

With the arrow side facing up

Connector

100V AC power outlet

Plug

Charge lamp

Desktop Holder N27

FOMA AC Adapter 01/02

Charging with the AC adapter

❶ **Open the external connector cap of the FOMA terminal, then plug the AC adapter connector horizontally into the FOMA terminal's external connector.**

❷ **Plug the AC adapter into the outlet.**

❸ **When charging is complete, press the release button, simultaneously remove the AC adapter connector horizontally from the FOMA terminal, then unplug the AC adapter from the outlet.**

Charge lamp

100V AC power outlet

Connector cap

Plug

Release button

Connector

With the arrow side facing up

FOMA AC Adapter 01/02

Basic Operation

Turning power ON

1 ⬛ **(1 second or longer)**

⬇️

```
07.14WED  12:05
```
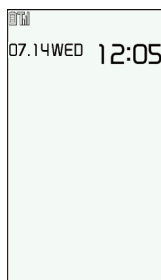
Standby screen
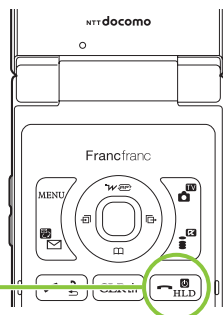
■ If Initial setting screen appears

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.**
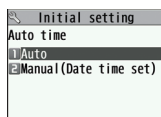
```
  Initial setting
Auto time
1 Auto
2 Manual(Date time set)
```

Auto time screen

```
  Initial setting

Keypad sound

1 ON
2 OFF
```
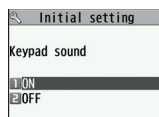
Keypad sound screen

Information

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

Checking your own phone number

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

❶ MENU ▶ **"Profile"**

■ **To check your mail address**

MENU ▶ **"Profile"** ▶ ⊖

Information

・Only phone number 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.

❶ MENU ▶ **"Tool"** ▶ **"Guide"**

❷ **Enter the keyword or select searching method**

使いかたガイド
[＿＿＿＿＿＿] [検索]
[おすすめ機能]
[機能一覧検索]
[表示アイコン説明]
[故障かな?と思ったら]
[お問い合わせ先]
[検索履歴]
探す方法を選んでください
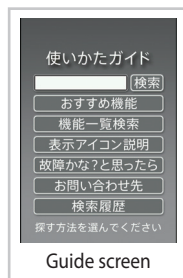
Guide screen

Switching between Japanese and English

❶ MENU ▶ **"本体設定"** ▶ **"文字表示/入力"** ▶ **"Select language"**
 ▶ **"English"**

Screen Explanation

Viewing display/icon

Marks (, , , etc.) displayed on the screen and sub-display 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 ◀━━━━▶ 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

 : microSD card inserted

07.14 WED   12:05

New Miss Msg

Submenu ◁ Select ▷ Set
Back   Change
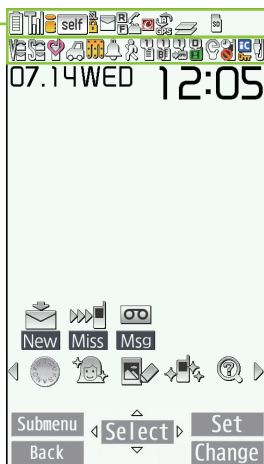
   :
        Vibrator set

   :
        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

07.14WED 12:05

New Miss Msg

Submenu Select Set
Back Change
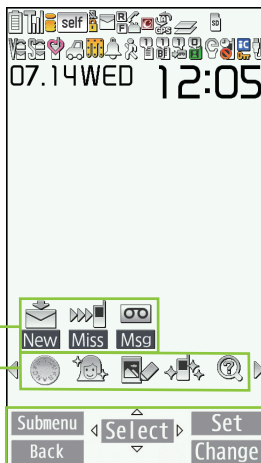
Function display area
→p.24

Basic Operation

Information

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

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Viewing sub-display

On the sub-display, incoming call, mail or alarm notifications appear with various messages, images or animations.

■Example

2010.07.14 WED 12:05	Now 12:05	Arrived!	TaroDocomo	12:05	ON HOLD TaroDocomo
Clock (Digital 1)	Alarm notification	Chaku-moji	Receiving call	Missed call/ New mail	On hold

// Checking missed calls/new mail

■Checking missed calls

Press 🄰 (マナー) to view "received date/time/caller's name (phone number)", etc.
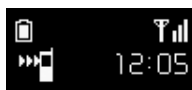
■Checking new mail

Press 🄰 (マナー) to view "sender/received date and time/ subject" ,etc. You need to set "Mail" under "Sub-display setting" to "ON".
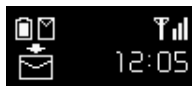
MENU ▶ "Setting" ▶ "Screen/Display" ▶ "Sub-display setting"
▶ "ON" ▶ "Mail" ▶ "ON" ▶ 🔲 (Finish).

Viewing main menu

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

・ The main menu here is in "Standard".
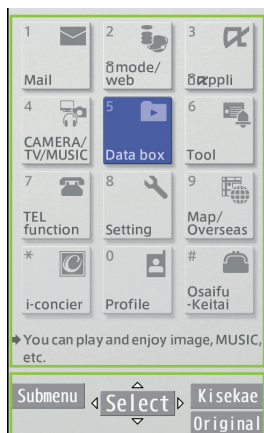
Mail	: Display the mail functions.
i-mode/web	: Display i-mode and Full Browser.
i-αppli	: Display the i-αppli menu.
CAMERA/TV/MUSIC	: Display the menus of Camera, Music Player, Music&Video Channel and 1Seg.
Data box	: Display folders in Data box.
Tool	: Display useful functions.
TEL function	: Display phone functions such as the phonebook, dialed/received calls, etc.
Setting	: Display the setting menu of the FOMA terminal.
Map/Overseas	: Display the setting menus of GPS and Overseas use.
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.

Information

・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 "Mika Ninagawa" - "Standard", "Simple Menu", "Original theme" or "Kisekae Tool".

❶ MENU ▶ \🔳 (Kisekae) ▶ **Select a design**

Key operation

The soft keys (Function display) corresponding to $\boxed{\text{MENU}}$, $\textcircled{\bullet}$, $\boxed{\text{□}}$, $\boxed{\text{⊠}}$, $\boxed{\text{☰}}$**, and the direction icons corresponding to** $\textcircled{\oplus}$ **are displayed on the screen. These icons appear only when the corresponding keys can be used.**

// Performing the functions assigned to the function key
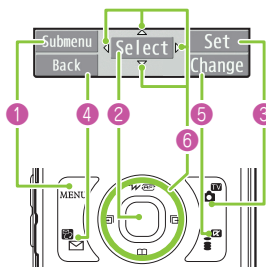
■ Display samples and functions assignments

❶ shows (Submenu), (Exit), (MENU), etc.
❷ shows (Select), (Set), (Play), (Send), etc.
❸ shows (Set), (Edit), (Finish), (Play), (Send), (New), etc.
❹ shows (Back), (microSD), etc.
❺ shows (Change), (Delete), etc.
❻ shows an icon ($\triangleleft\Leftrightarrow\triangleright$) to indicate direction available for moving or scrolling vertically and horizontally. Press $\textcircled{\oplus}$ 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 $\boxed{\text{MENU}}$ **on the standby screen.**

❶ $\boxed{\text{MENU}}$ ▶ $\textcircled{\oplus}$ **to move the highlight** $\textcircled{\bullet}$ **(Select)** ▶ **Select the displayed menu sequentially**
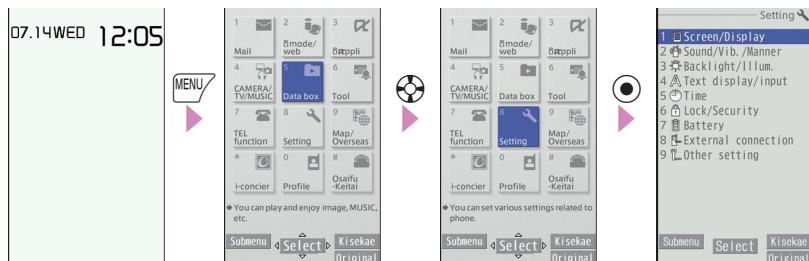
- If no key is pressed for 15 seconds while the main menu is displayed, the main menu ends and the previous screen reappears.

When Submenu is displayed

Pressing MENU displays functions, which can be performed on the screen, such as saving, editing or deleting.
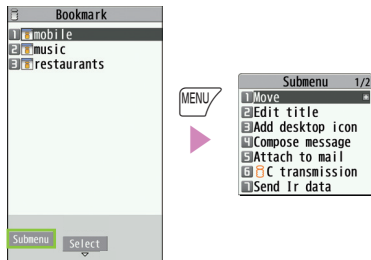
Switching vertical/horizontal view

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.

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.

```
CHG input character
1漢字
2アイウ
3ｱｲｳ
4ａｂｃ
5abc
6１２３
7123
```
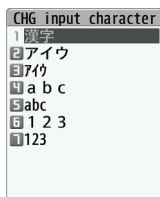
Entry mode change screen

▶

② Entering characters

Press a dial key several times to enter your desired text.
〈Example : when pressing 2〉
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

Information

■ Other key operations

CLR : 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          2  twice
    あ               き

 5  5 times       2  twice
    の               き

 8  once          ＊  once
    や                to lower case

 0  3 times       6  3 times
    ん               ふ

 ＊  twice
 ゜  (Han-dakuten)
```

```
┌─ Edit note ──────┐
│あきのきゃんぷ      │
│                  │
│                  │
│                  │
│                  │
│▼Sel.           5 │
│秋のキャンプ       │
│秋のきゃんぷ       │
│あきのきゃんぷ      │
│アキノキャンプ ｱｷﾉｷｬﾝﾌﾟ│
└──────────────────┘
```

▶ ⓠ **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.

```
┌─── Message ────┐
│                │
│                │
│顔文字・ 絵文字 1/2│
│                │
│                │
│                │
│                │
│                │
│   Select  JUMP │
│←Switch   Switch→│
└────────────────┘
```

[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
CLR : Exit Deco-mail pictogram input

Sound/Screen Setting

Changing ring tone

Changing the ring tone for calls

① MENU ▶ "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 MENU ▶ "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.

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Setting vibrator

Informing you of incoming calls by vibration

❶ MENU ▶ "Setting" ▶ "Sound/Vib./Manner" ▶ "Vibrator setting" ▶ "Phone"

❷ 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.

❶ On the standby screen, # (1 second or longer)

■ To release the setting

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

> ⓘⓘⓘ appears on the standby screen.
>
> 07.14 WED 12:05
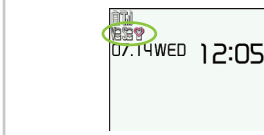
Setting keypad sound OFF

❶ MENU ▶ "Setting" ▶ "Sound/Vib./Manner" ▶ "Other sound setting" ▶ "Keypad sound" ▶ "OFF"

Changing screen display

Changing the standby screen

❶ MENU ▶ "Setting" ▶ "Screen/Display" ▶ "Stand-by display"

❷ "Stand-by display" ▶ Select an image

Changing display brightness

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

1. MENU ▶ "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. On the standby screen, 8 (1 second or longer)

■ To deactivate

On the standby screen, 8 (1 second or longer)

Information

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

Changing design of menu icon

1. MENU ▶ "Setting" ▶ "Screen/Display" ▶ "Menu display set" ▶ Select an item

Changing character size

1. 7 (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. MENU ▶ "Setting" ▶ "Screen/Display" ▶ "Machi-chara setting" ▶ "ON"

2. Select a folder ▶ Select a Machi-chara ▶ 🄰 (Set)

Information

· i-αppli 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. MENU ▶ "Setting" ▶ "Screen/Display" ▶ "Kisekae Tool setting" ▶ Select a folder

2. Highlight an item ▶ 🔲 (Set all) ▶ "YES"

Information

· 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, MessageR/F or i-concier information.

Changing the illumination for incoming FOMA calls

1. MENU ▶ "Setting" ▶ "Backlight/Illum." ▶ "Illumination setting" ▶ "Illumination in call" ▶ "Illumination" ▶ "Phone"

2. Select a color ▶ CLR ▶ "Set pattern" ▶ Select a pattern

Information

· You can set different flashing colors to arriving calls or mails from the specified phone numbers, mail addresses, a set of group.

■ To set the flashing color to phonebook

   On Phonebook detail screen, MENU (Submenu) ▶ "Ring tone/Image"
   ▶ Select the item to set ▶ "Illumination" or "Key illumination".

Setting various illumination

Setting illumination when you open/fold the FOMA terminal

1. [MENU] ▶ "Setting" ▶ "Backlight/Illum."
   ▶ "Illumination setting" ▶ "Closed illumination"

2. "ON" ▶ "Set color" ▶ Select a color ▶ "Set pattern"
   ▶ Select a pattern

Setting key illumination for birthday, etc.

1. [MENU] ▶ "Setting" ▶ "Backlight/Illum."
   ▶ "Illumination setting" ▶ "Key illumination"

2. "ON" ▶ Select any item from "Power ON" to "Birthday"
   ▶ Select "ON" or a folder

3. When the folder is selected, select key illumination

Setting key backlight

1. [MENU] ▶ "Setting" ▶ "Backlight/Illum."
   ▶ "Illumination setting" ▶ "Key backlight"

2. "ON" or "OFF"

Setting illumination when you tilt the FOMA terminal

1. [MENU] ▶ "Setting" ▶ "Backlight/Illum."
   ▶ "Illumination setting" ▶ "Swing illumination"

2. Select a folder ▶ Select illuminations for tilting

Setting illumination when you press keys

1. [MENU] ▶ "Setting" ▶ "Backlight/Illum."
   ▶ "Illumination setting" ▶ "Key linked illum."

2. "ON" or "OFF"

Checking missed calls or new mail with the lamp

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

Setting the illumination

1 MENU ▶ "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

eco mode function reduces battery consumption by adjusting display brightness, etc. If the battery level is 20% or less, settings are automatically changed to further reduce battery consumption.

· eco mode 1 (🔋) is set automatically when the battery level is in the range of 100% to 21% (🔋 to 🔋). eco mode 2 (🔋) is set automatically when the battery level is less than 20% (🔋).

· 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, ⑤ (1 second or longer)**

■ **To release the setting**

On the standby screen, ⑤ (1 second or longer)

Lock/Security

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.

[MENU] ▶ "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.

MENU ▶ "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 MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Lock" ▶ Enter your security code ▶ "Dial lock" 🔓 To deactivate On the dial lock setting screen, enter your security code ▶ ● · 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.	Setting/releasing Omakase Lock 📞 **0120-524-360** Business hours : 24 hours (open all year round) (Japanese) * Available from mobile phones and PHSs (including non-DOCOMO phones). * Unavailable from part of IP phones. * My docomo is also available to set/release Omakase Lock via PC, etc. (Japanese) · 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 MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Lock" ▶ Enter your security code ▶ Select an item in Original lock 🔓 To deactivate MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Lock" ▶ 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 On the standby screen, ③ (1 second or longer) 🔓 To deactivate On the standby screen, ③ (1 second or longer) ▶ Enter your security code
Keypad lock	Lock key operations automatically when the FOMA terminal is folded or turned off, or no operation is performed for a certain period of time.	🔒 To activate MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Keypad lock" ▶ Enter your security code ▶ Select an item ▶ 📷 (Finish) 🔓 To deactivate temporarily 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. MENU ▶ **"Setting"** ▶ **"Lock/Security"** ▶ **"Call rejection set."**

2. **Enter your security code** ▶ **Select any item from "User unset" to "Unknown"** ▶ **"Accept" or "Reject"**

Information

・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. MENU ▶ **"Setting"** ▶ **"Lock/Security"** ▶ **"Call rejection set."**

2. **Enter your security code** ▶ **"Reject unknown"** ▶ **"Accept" or "Reject"**

Information

・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 [MENU] ▶ **"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-αppli, 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 [MENU] ▶ **"Setting"** ▶ **"Other setting"** ▶ **"Initialize"**

2 **Enter your security code** ▶ **"YES"** ▶ **"YES"**

Information

- Pre-installed data will not be deleted. However, Osaifu-Keitai compatible i-αppli other than iD設定アプリ (iD appli) may be deleted. Pre-installed i-αppli/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.

Basic Operation

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.

Basic Operation

Call Telephone

Making a call/videophone call

Making a call by entering the phone number

❶ **Enter the phone number starting with the area code, then ⌒ (voice call) / \▣ (V.phone)**

❷ **After the call ends, ⟷**

```
[Calling FOMA]
090XXXXXXXX
```
Ringing screen

```
[Talking FOMA]
              1 m  9 s
090XXXXXXXX
▲▼🔊Volume
```
In-call screen
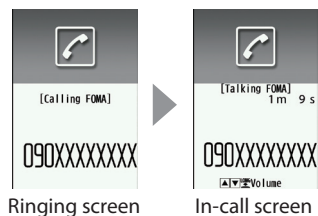
●Videophone operation
　⊙：Adjust zoom
　▣ (1 second or longer)：
　Mute your voice

Making a call from Phonebook

Add the phone number of the other party to the phonebook in advance. (→ p.53)

❶ **MENU ▶ "TEL function" ▶ "Phonebook" ▶ "Search phonebook" ▶ Select a search condition and search an entry ▶ Use ✤ to select an entry, then ⌒ (voice call) / \▣ (V.phone)**

```
HanakoKeitai
                      [124]
HanakoKeitai
Group_01
◁ ▯ ☎ ⊾ 曲 🗐 ▷
  090XXXXXXXX
```
Phonebook detail screen
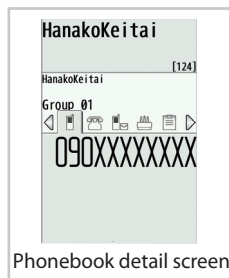
Making a call from Redial/Received calls

❶ **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 MENU ▶ "TEL function" ▶ "Dial/Receive setting" ▶ "Caller ID notification" ▶ "Activate/Deactivate"

2 "ON" or "OFF"

Information

・ 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,

Information

・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.46)

Connect

Receiving a call/videophone call

① **When you receive an incoming call,** 📞

② **After the call ends,** ☎

[Calling FOMA]

090XXXXXXXX

Ringing screen

[Calling FOMA V.phone]

090XXXXXXXX

Videophone ringing screen

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

Adjusting earpiece volume

① MENU ▶ **"TEL function"** ▶ **"Dial/Receive setting"** ▶ **"In-call setting"** ▶ **"Volume"** ▶ **Adjust with** ⬙

Information

・During a call, you can adjust the volume with 🔼 (マナー)/ 🔽.

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 `MENU` ▶ **"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 ⌒ (Answer with camera image) 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)**

🚗 appears on the standby screen.

```
圏内
07.14WED  12:05
```

■ To deactivate
On the standby screen, ✳ (1 second or longer)

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 `✳ 2 5 2 5 1` ▶ ⌒

■ To deactivate
`✳ 2 5 2 5 0` ▶ ⌒

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/officeed/ (Japanese)).

Setting Voice Mail Service

❶ MENU ▶ "TEL function" ▶ "Voice mail service" ▶ Select an item

Setting Call Waiting

❶ MENU ▶ "TEL function" ▶ "Other network serv." ▶ "Call waiting" ▶ Select an item

Setting Call Forwarding Service

❶ MENU ▶ "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) * 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.
  When the location information is disclosed, " 📷 " appears on the standby screen.
  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[*1]	○	○	○
Videophone call[*1]	○	×	×
SMS[*2]	○	○	○
i-mode[*3]	○	×	○
i-mode mail	○	×	○
i-Channel[*3][*4]	○	×	○
i-concier[*5]	○	×	○
i-Widget[*6]	○	×	○
Packet communications via a PC	○	×	○
Obtaining location information using GPS[*7]	○	×	○

*1 : When 2in1 is active, dialing using Number B is not available. Dialing using the additional number of Multi number is not available.
*2 : When sending an SMS to FOMA terminal user, enter the other party's phone number as in Japan.
*3 : "i-mode overseas use" setting is required.
*4 : "i-Channel overseas use" setting is required. Packet communications charges will apply when you automatically update information on "Basic Channel".

*5 : Overseas use setting for i-concier is required. Packet communications charges will apply for each reception of information. (Included in i-channel charges in Japan.)

*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.

*7 : GPS location service is free of charge. However, packet communications charges will apply, e.g. if you open a map from location information.

Information

· 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, ⬜

Information

· 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, ⬜

Connect

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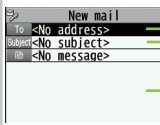
Mail

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

❶ ✉ ▶ ✉ **(New)**
  ▶ **Enter each item**

❷ 📷 **(Send)**

New mail	
To `<No address>`	Address (mail address)
Subject `<No subject>`	Subject
`<No message>`	Message

New mail screen

■ To attach files

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

Information

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

  * : 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.
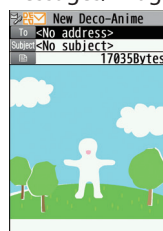
Sending Deco-mail

1. On Message screen, [phone icon]

2. Use ⊕ to select a decoration menu, then compose message ▶ [camera icon] (Send)
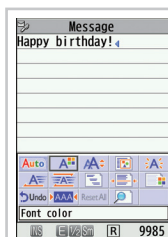
A♯	: Change the font color
AA♯	: Change the font size
🖼	: Select an image to insert
:A:	: Blink text
↻Undo	: Restore the entered text or decoration to the previous state etc.

Sending Decome-Anime

1. [mail icon] ▶ "Create new Deco-Anime" ▶ Enter an address and subject ▶ " 🖹 <No message>" ▶ Select a Decome-Anime template ▶ [camera icon] (Set)

2. Select the Message field, then edit the text ▶ [camera icon] (Finish) ▶ [camera icon] (Send)

Information

- 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.

  [mail icon] ▶ "Decome-Template" ▶ "Deco-mail" or "Decome-Anime".

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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.

❶ ✉\ ▶ "Inbox" ▶ Select a folder

❷ Select an i-mode mail

✉ Mail 1/3		✉Recv. mail 1/28
① 10:35 HanakoKeit		⊙ 2010/ 7/14 10:35
② 8:25 ShiroDocomo		From HanakoKeitai
③ 7/13 HanakoKeitai	◉	TaroDocomo
④ 7/13 ShiroDocomo	▶	Subject Thank you
⑤ 7/13 ShiroDocom		Thanks for keeping me co
⑥ 7/12 ShiroDocomo		mpany last night.
Thanks for keeping me co		----
mpany last night.		----END----

----END----		melody.mid
		19KBytes
Received mail list screen		Mail detail screen
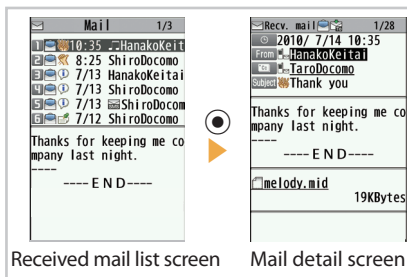
Replying to i-mode mail

❶ **On Received mail list screen/Received mail detail screen ▶ 📷 (Reply(with Quote)) ▶ Compose message ▶ 📷 (Send)**

ⓘInformation

· 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.

❶ **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.

❶ **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

■ When you receive Area Mail

When you receive Area Mail, " 📧 " appears at the top of the screen, and notification is made with a beep sound and vibration.

Setting Area Mail

❶ ✉ ▶ "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

❶ ✉ ▶ **"Compose new SMS"**

❷ **Enter each item ▶ 🎥 (Send)**

New SMS screen

Address (Phone number)

Message

ⓘInformation
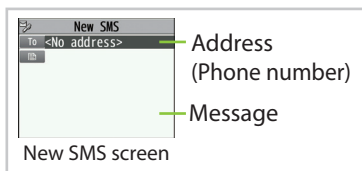
·Files such as image files cannot be attached to SMS.

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.

❶ ✉ ▶ **"Inbox" ▶ Select a folder**

❷ **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.

❶ ✉ ▶ **"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)**

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)**

Add to phonebook
N HanakoKeitai
HanakoKeitai
<Group>
<Phone number>
<Mail address>
<Address>
<Loc. info>
<Birthday>
<Memo>
<Image>
<Chara-den>
010

Phonebook entry screen

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"**

HanakoKeitai
[124]
HanakoKeitai
Group 01
090XXXXXXXX

Phonebook detail screen

Deleting phonebook entries

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

Connect

i-mode/Full Browser

■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-αppli, dictionary, Deco-mail template from the site "みんなＮらんど" of iMenu.

/🕮 ▶ "メニューリスト" ▶ "ケータイ電話メーカー"
  ▶ "みんなＮらんど" (Japanese)

QR code to access the site

Displaying i-mode site

❶ **On the standby screen, /📧**

"⇕" flashes while communicating, and
"📧" flashes while receiving i-mode
services (during i-mode).

❷ **Scroll down to the bottom
of the iMenu screen to select
"English"**

Communicating screen   Connected screen

Displaying web pages designed for PC

❶ MENU ▶ **"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.

❶ **Site or website displayed using i-mode** ▶ MENU **(Submenu)**
   ▶ **"Full Browser"** ▶ **"Switch to FB."** ▶ **"OK" or "OK(default)"**

■ **To switch from Full Browser to i-mode browser**
Site displayed using Full Browser ▶ MENU (Submenu) ▶ "i-mode Browser"
▶ "Switch to i-mode"

Search

Viewing and operating websites
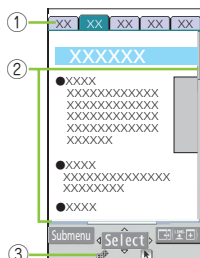
① Tab
- Title of the displayed website (if there is no title, the URL appears)
- As many tabs as websites displayed simultaneously

② Scroll bars : Current position in the displayed Full Browser page

③ Displayed while connecting to the Internet with Full Browser

$\boxed{\text{A}}$ (マナー)/$\boxed{\text{V}}$:
Scroll up or down by screen.

Jump to the previous page.

Scroll in the direction that the key is pressed.

Jump to the next page.

Saving frequently-visited sites

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

■ **To view bookmarked site**

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

Saving site contents

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

■ **To display a screen memo**

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

Information

- 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

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

* Details content will be subject to packet communications charges both for basic channels and for 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.

最高11℃ ☂午前10%—Ticker

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.

Map/GPS

· Under no circumstances shall DOCOMO be held liable for any loss or damage, due to loss of opportunity such as positioning (communicating) result check, resulting from external causes such as failure, malfunction or battery death of the FOMA terminal or blackout.
· FOMA terminal is unavailable as a navigation device for aircraft, vehicles, persons, etc. Under no circumstances shall DOCOMO be held liable for any loss or damage resulting from navigation using the location information.
· FOMA terminal is unavailable as high-precision location surveying GPS. Under no circumstances shall DOCOMO be held liable for any loss or damage arising from positioning error.
· Because GPS is managed by the U.S. Department of Defense, GPS wave conditions may be controlled (accuracy degraded or wave stopped) for security reasons of the U.S.
· The GPS function except Position location is unavailable when FOMA terminal is out of service area.

Checking your location

Determine your current location and obtain location information. The obtained location information can be used to view the current location on a map or use Map/GPS αppli.

1 MENU ▶ "Map/Overseas" ▶ "Position/Notify" ▶ "Position location"

Reading Map

Start the GPS i-αppli to display a map.

1 MENU ▶ "Map/Overseas" ▶ "Map"

Accuracy
★★★ : Almost accurate (Error : less than 50 m).
★★☆ : Relatively accurate (Error : less than 300 m).
★☆☆ : Rough (Error : larger than 300 m).
The actual positioning may vary depending on the ambient signal status, etc.

Information

・Packet communications charges do not apply for positioning. However, separate packet communications charges apply, e.g. if you open a map from location information.

Using AUTO-GPS

Various services are available when AUTO-GPS is in use, depending on where you are.

· To use AUTO-GPS, see the GPS service provider or NTT DOCOMO website. Some of these services will have to be paid for.
· Packet communications charges may apply to send location information.
· Note that the connection is established periodically so that your FOMA terminal uses much battery power, depending on your usage status.

Setting AUTO-GPS service information that DOCOMO provides

Set whether to regularly send automatically collected location information by AUTO-GPS function to DOCOMO. Automatically sending location information to DOCOMO enables you to use i-concier or other services that are linked to services provided by DOCOMO.

· To use services, you need to apply for them or set them.
· If you are using another service, please set AUTO-GPS Service Information of the i-αppli.

❶ 〔MENU〕 ▶ "Map/Overseas" ▶ "Map&GPS set. /history" ▶ "AUTO-GPS"

❷ "DOCOMO service set." ▶ "ON"

Setting the operation of AUTO-GPS function

❶ 〔MENU〕 ▶ "Map/Overseas" ▶ "Map&GPS set. /history ▶ "AUTO-GPS"

❷ "AUTO-GPS setting" ▶ "ON" ▶ Enter your stride

Information

· Follow the steps below so that with the battery level low the AUTO-GPS function automatically will stop and the FOMA terminal will start to save the battery.

〔MENU〕 ▶ "Map/Overseas" ▶ "Map&GPS set. /history" ▶ "AUTO-GPS" ▶ "Low battery setting" ▶ "ON" ▶ "OK"

Camera

Viewing and operating shooting screen
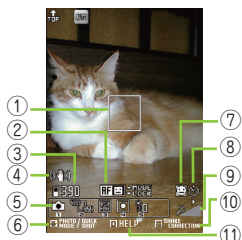
Photo (still image) shooting screen

Movie (moving picture) 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
⑦ Face select mode

⑧ Auto timer
⑨ Zoom
⑩ Digital Anti-Shake setting
⑪ Key operation guidance
⑫ Quality setting
⑬ Shooting status

■Main key operations
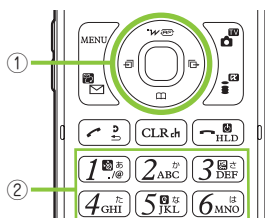
① ●: Shutter
    /: Auto Focus mode switching/Focus lock
    /: Zoom (Wide)/Zoom (Tele.)

② 1 : CHG camera-mode   2 : Select size
   3 : Quality setting or File size setting
   4 : Photo mode   5 : Brightness
   6 : 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, `1`** ▶ `🎬` ▶ **Frame the shot, ⦿(Record)**

2 **To stop shooting, ⦿ (Stop)** ▶ **⦿ (Save)**

Information

- 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 `MENU` ▶ **"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

Information

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

Shooting in various ways

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

1Seg

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 receive 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
* You may be able to improve reception by 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.

❶ MENU ▶ "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,** \a **(1 second or longer)**

Viewing and operating watching screen

ドキュメンタリー
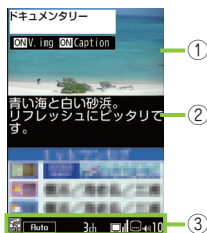
①
青い海と白い砂浜。
リフレッシュにピッタリで
す。
②
③
1Seg watching screen

① Video ② Subtitles
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 \a **(New)** ▶ **Enter each item** ▶ \a **(Finish)**

Playing the recorded video

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

Enjoy

Music

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.

❶ MENU ▶ "CAMERA/TV/MUSIC" ▶
"Music&Video Channel" ▶ "Program set."

❷ **Follow the on-screen instructions to set a program**

Music&Video Channel screen
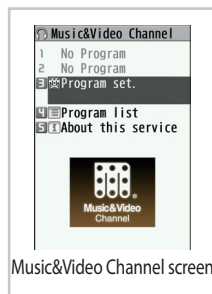
Playing programs

❶ MENU ▶ "CAMERA/TV/MUSIC" ▶ "Music&Video Channel"

❷ **Select a program**

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

Enjoy

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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 **MENU ▶ "Data box" ▶ Select the folder of content that you want to play**

2 **Select a folder ▶ Select a program or track**

Information

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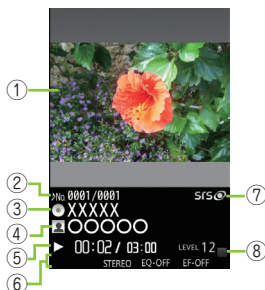
① Image
② Track
③ Title
④ Artist name
⑤ Elapsed time (minutes : seconds)/Total playback time (minutes : seconds)
⑥ Repeat status/Sound quality (Equalizer)/Sound effect (Effect), etc.
⑦ Sound effect applied
⑧ Volume (Level 0 to 25)

⦿: 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.

Enjoy

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Downloading applications from sites

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

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

Information

- 26 i-αppli 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-αppli (excluding "iD設定アプリ" (iD appli).
  Deleted i-αppli can be downloaded from "みんなNらんど" (→p.54).

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

Starting Widget Appli

1 **On the standby screen, ⑤ ▶**

Select a Widget Appli

i-Widget screen
* Shown image is an example. It may differ from the actual displays.

🖉 Information

- • 11 Widget Appli including the following are stored at the time of purchase.
  - - ｉアプリバンキング (i-αppli 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-αppli)　　　　etc.

Enjoy

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i-motion/Movie

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

❶ **Select i-motion or movie from an i-motion-downloadable site (For movie, ▶ "YES")**

❷ **When the i-motion or movie can be saved, "Save" ▶ "YES" ▶ Select a folder**

Information

■ 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

❶ **MENU ▶ "Data box" ▶ "i-motion/Movie" ▶ Select a folder ▶ Select an i-motion or movie**

Information

■ 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.

Enjoy

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Osaifu-Keitai

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-αppli 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.

Hold the 🔶 mark over the reader unit
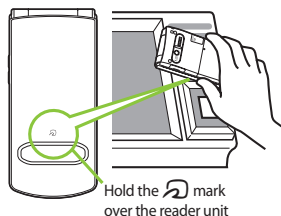
i-concier

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 MENU ▶ **"i-concier"**

Icon

07.14WED 12:05

埼玉県北西部に雷注意報が
発表されました

Pop up message

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

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 [MENU] ▶ "Tool" ▶ "Schedule" ▶ Select the date
  ▶ [MENU] (Submenu) ▶ "New" ▶ "Schedule"

② Enter each item ▶ [📷] (Finish)

Using alarm

Up to 10 alarms can be added.

① [MENU] ▶ "Tool" ▶ "Alarm" ▶ Select an alarm ▶ [📷] (Edit)

② Enter each item ▶ [📷] (Finish)

Using bar code reader

Use the rear 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 rear camera about 10 cm away from the code.

① [MENU] ▶ "Tool" ▶ "Bar code reader"

② When the barcode is displayed in the recognition field, scanning starts automatically

③ [MENU] (Submenu) ▶ "Store" ▶ "YES" ▶ "OK"

Information

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

4942857113068

・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-αppli that support CODE128. When you scan the CODE128 shown to the right with the FOMA terminal, "NTTDOCOMO" is displayed.

NTTDOCOMO

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-05B. 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

    ／🗐 ▶ "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

❶ **Open the cap of the microSD card slot**
❷ **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.
❸ **Close the cap of the microSD card slot**
 When you turn on the power after inserting the microSD card, 🆂🅳 appears.

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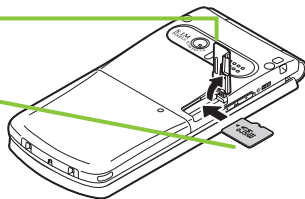
- To remove the microSD card, push it in and release. The card pops up slightly. Note that the card may fly out of the slot. Grip the groove of the microSD card and slowly pull the card out.

Formatting microSD card

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

1. [MENU] ▶ "Tool" ▶ "microSD" ▶ "Refer microSD data" ▶ [MENU] (Submenu) ▶ "microSD format"
2. Enter your security code ▶ "YES"

Viewing data in the microSD card

< Example: To display schedule >

1. [MENU] ▶ "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.), [MENU] (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.), [MENU] (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. [MENU] ▶ "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.

Infrared data port

Approx.
20cm or less

Within a ±15°
circuit
of the center
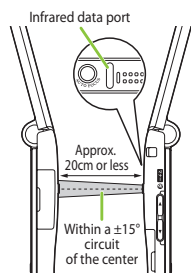
■ To send one data

1 **On the screen of the data to send, [MENU]**
   (Submenu) ▶ "Send Ir data"

2 **Direct the infrared data port toward the other party's devices ▶ "YES"**

■ To receive one data

[MENU] ▶ "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 transmission

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, MENU

(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.
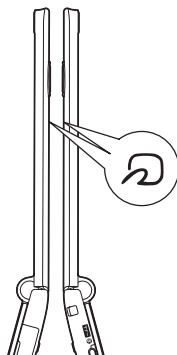
Connecting to PC

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.
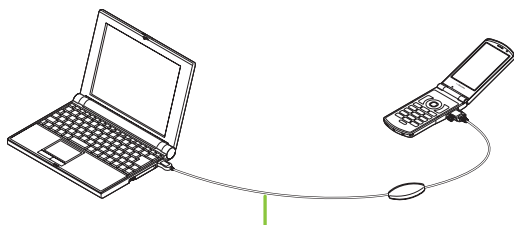
FOMA USB Cable with Charge Function 02

Information

- 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.

Support

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.

Others

The power is turned off or turned back on suddenly

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

Key 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.36
● Is Keypad lock set? → p.36

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.36
● Is Keypad lock set? → p.36
● Is Restrict dialing set?
● Is Dial lock set? → p.36
● 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 "🌐 " – " 📶 ". Move to a location with a stronger signal and try again.
● Is call rejection, Call acceptation, 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.

Others

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: Speaker (earpiece), mouthpiece and upper part of MENU
● **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)

/ 圭 ▶ "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

Others

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**

07.14WED 12:05

Update icon
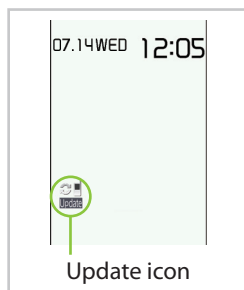
■When "Update is needed" appears

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 **MENU ▶ "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 MENU ▶ "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
      Return
```

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 Cancel operation?	Operation may not run properly Canceling operation	Operation may not run properly Delete data?	Operation may not run properly Deleting data
(OK) : Continue the operation	(YES) : Stop and cancel the operation (NO) : Continue the operation	(OK) : Stop and cancel the operation	(YES) : Delete the data and cancel the operation (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[1]/P002[1]
- Stereo Earphone Set P001[1]
- Earphone Plug Adapter P001
- Flat-plug Earphone/Microphone with Switch P01[2]/P02[2]
- Flat-plug Stereo Earphone Set P01[2]
- Bone Conduction Microphone/Receiver 01[2]
- FOMA USB Cable[3]
- FOMA AC Adapter 01[4]/02[4]
- FOMA Dry Battery Adapter 01
- Carry Case S 01
- FOMA USB Cable with Charge Function 02[3]

- FOMA Portable Charging Adapter 01
- In-Car Hands-Free Kit 01[5]
- FOMA In-Car Hands-Free Cable 01
- Data Communications Adapter N01
- FOMA Indoor Booster Antenna[6]
- FOMA Indoor Booster Antenna (Stand Type)[6]
- In-Car Holder 01[7]
- FOMA AC Adapter 01 for Global use[4]
- FOMA DC Adapter 01/02
- Earphone Plug Adapter 01 for External connector terminal
- Desktop Holder N27
- Battery Pack N23
- Back Cover N45

[1]: To connect to N-05B, the Earphone Plug Adapter P001 or Earphone Plug Adapter 01 for External connector terminal is required.
[2]: To connect to N-05B, the Earphone Plug Adapter 01 for External connector terminal is required.
[3]: May not work correctly when connected to a USB HUB.
[4]: Charging with the AC adapter →p.17
[5]: To use/charge N-05B, the FOMA In-Car Hands-Free Cable 01 is required.
[6]: Use in Japan only.
[7]: To attach N-05B to the In-Car Holder, attach to the 5th position shown in ② listed in "In-Car Holder 01 Manual".

Others

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	
	Bookmark	
	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	

Others

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Main item	Sub item	Branch item
🔶αppli	Software list(phone)	
	🔶αppli(microSD)	
	i-αppli call logs	
	🔶αppli run info	
	🔶αppli setting	Auto-start setting
		Disp. software info
		i-Widget overseas use
		i-Widget sound effect
		AUTO-GPS preferred set
		🔶αppli call settings
		🔶αppli volume
		Preferred tone
		αBacklight
		αPower saver
		αVibrator
		Check settings
CAMERA/TV/MUSIC	Camera	Still image shooting
		Movie shooting
		Beauty mode
		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	
	Illumination	
	SD other files	
Tool	Bar code reader	
	Calculator	
	Alarm	
	Receive Ir data	
	Schedule	
	Note	
	ToDo	
	Data Security Service	
	microSD	
	Enjoy Exercise	

Main item	Sub item	Branch item
Tool	Medias viewer	
	Life history viewer	
	Guide	
	Voice recorder	
	Voice announce	
	Dictionary	
	DL Dictionary	
	Phrases/Store word	Common phrases
		Store word
	Contact DOCOMO	
TEL function	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
		Remote monitoring
		Ntfy switch-mode
		Hands-free switch
		V.phone while packet
	Call duration/charge	Call duration/charge
		Notify cost limit
		Reset total
		Auto reset
	Chaku-moji	
	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
		Sub-display setting
		Machi-chara setting
		Soft key
		Original menu
		Menu display set
		Viewer settings
		Icons
		Icons setting
		Privacy angle
		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
		Face auth. setting
		Secret mode
		Secret data only mode
		Call rejection set.
		Change security code
		IC card authentic.
		PIN setting
		Scanning function
	Battery	Battery level
	External connection	USB mode
		Headset microphone
		Femtocell
	Other setting	Side key guard
		Cam-button setting
		Auto-change Screen
		Alarm setting
		Self mode
		Reset settings
		Initialize
		Software Update
		Quick search URL

Main item	Sub item	Branch item
Map/Overseas	Map	
	imadoco search	imadoco kantan search
		imadoco search
	i-area	
	GPS αppli list	
	Position/Notify	Position location
		Location notification
	Map & GPS set./history	Location history
		Map setting
		GPS button setting
		Location request set.
		AUTO-GPS
		Positioning mode set.
		Register LCS client
		Service setting
		Serv. host URL set.
		Illum./Tone settings
	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
		i 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 i mode	

Main specifications

Phone

Product name	N-05B	
Size (When folded)	Height approx. 108 mm x Width approx. 50 mm x Thickness approx. 13.9 mm (Thickest : Approx. 15.5 mm)	
Weight	Approx. 109 g (Battery attached)	
Continuous standby time	[FOMA/3G]	Stationary ("Auto"[*1]) : Approx. 580 hours In transit ("3G"[*1]) : Approx. 420 hours In transit ("Auto"[*1]) : Approx. 370 hours
	[GSM]	Stationary ("Auto"[*1]) : Approx. 280 hours
Continuous talk time	[FOMA/3G]	Voice call : Approx. 200 min. Videophone : Approx. 100 min.
	[GSM]	Voice call : Approx. 200 min.
Charging time	AC Adapter : Approx. 130 min. DC Adapter : Approx. 130 min.	
LCD	Type	Display : LTPS_TFT 262,144 colors Sub-display : Organic EL 1 color
	Size	Display : Approx. 3.2 inches Sub-display : Approx. 0.8 inches
	Resolution	Display : 409,920 pixels (480 x 854 dots) Sub-display : 3,360 pixels (96 x 35 dots)
Image sensor	Type	Front Camera: CMOS Rear Camera : CMOS
	Size	Front Camera: 1/10.0 inches Rear Camera : 1/3.2 inches
	Effective pixels	Front Camera: Approx. 0.33 mill. pixels Rear Camera: Approx. 8.1 mill. pixels
Camera	Maximum recorded pixels	Front Camera: Approx. 0.31 mill. pixels Rear Camera: Approx. 8 mill. pixels
	Digital zoom	Front Camera: Up to approx. 1.9 x Rear Camera: Up to approx. 9.0 x
Record	No. of photos that can be stored	Up to approx. 1,800[*2]
	Continuous shooting	4 – 20[*3]
	Photo file format	JPEG
	Moving picture recording time	When saved to Phone : Approx. 220 sec.[*4] When saved to 2 GB microSD card : Approx. 120 min.[*4]
	Moving picture file format	MP4
	1Seg recording time	When saved to 2 GB microSD card : Approx. 640 min. (Total)[*5]
Music playback	Continuous playback time	i-motion	Approx. 1,680 min.[*6]
		Chaku-Uta-Full®	Approx. 1,620 min.[*6][*7]
		SD-Audio	Approx. 1,620 min.[*6][*7]
		Windows Media Audio (WMA) file	Approx. 1,740 min.[*7]
		Music&Video Channel	Approx. 1,980 min. (Audio)[*7] Approx. 280 min. (Video)
Capacity	Chaku-Uta®/Chaku-Uta-Full®	Approx. 197 MB[*8][*9]	

*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

Others

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*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, Kisekae Tool, Machi-chara, Internet movies, ToruCa and i-αppli

Battery pack

Product name	Battery Pack N23	Voltage	DC 3.8V
Battery type	Lithium-ion	Current	800 mAh

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

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

*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) and "デコメをプレゼント🎁" (Giving you Deco-mail) (Japanese) in the "Inbox" 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-05B 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-05B is 0.643 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
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 0.85 W/kg, and when worn on the body, is 0.65 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://gullfoss2.fcc.gov/oetcf/eas/reports/GenericSearch. cfm after search on FCC ID A98-TRM7762.

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-05B" 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 0.573 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).

Others

Intellectual property right

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Others

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  - To play MPEG-4 Video recorded by the consumer engaged in personal and nonprofit activities
  - To play MPEG-4 Video provided by the provider licensed by MPEG-LA

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· Frame rate enhancement function uses FrameSolid™ technology by Morpho, Inc. FrameSolid™ is a trademark of Morpho, Inc.

· This product employs GestureTek technologies.
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· This product is antibacterial. Antibacterial parts: External parts of phone (excluding the display, keys, buttons and terminals)
Inorganic antibacterial agent/Coating/ JP0122112A0003N
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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.

Index

Others

Others

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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

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.
* Available from mobile phones and PHSs (including non-DOCOMO phones).
* 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)**

* Available from mobile phones and PHSs (including non-DOCOMO phones).
* 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)**

* Available from mobile phones and PHSs (including non-DOCOMO phones).
* 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-05B, 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/international prefix numbers for the universal number, 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-05B, 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/international prefix numbers for the universal number, 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.

N-05B
Manual for PC Connection

About Manual for PC Connection
This manual describes necessary information for data communication using the N-05B 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^{TM} communication), packet communication and 64K data communication.

Data exchange (OBEX^{TM} communication)

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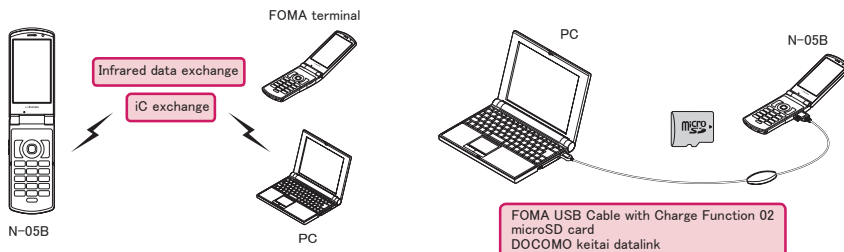
Packet communication

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 "sigmarionⅢ" , 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), 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 "sigmarionⅢ".
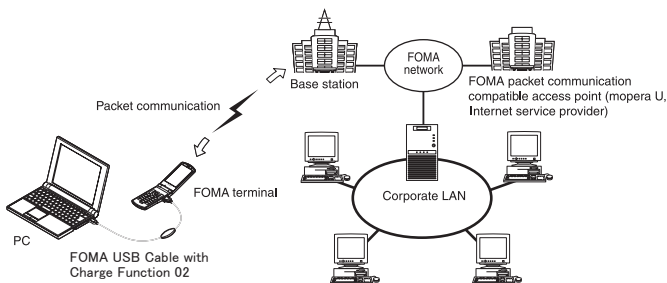
64K data communication

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 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.

An access point that is compatible with FOMA 64K data communication, such as mopera U

FOMA network

ISDN network

ISDN synchronized 64K access point (Internet service provider)

Base station

64K data communication

FOMA terminal

PC

FOMA USB Cable with Charge Function 02
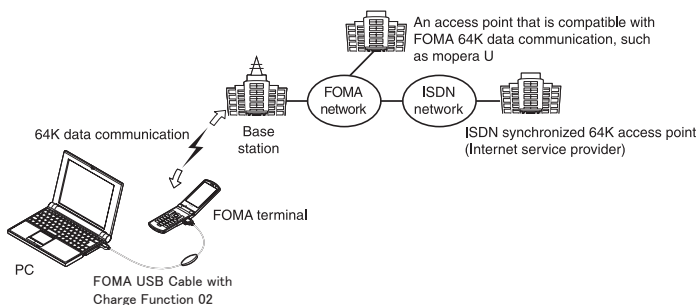
NOTE

● 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	• PC/AT compatible model with CD-ROM drive • USB port (compliant to Universal Serial Bus Specification Rev1.1/2.0) • Display resolution of 800 dots wide × 600 dots high, High Color (65,536 colors) is recommended
OS[*1]	• Windows XP (Japanese version) • Windows Vista (Japanese version) • Windows 7 (Japanese version)
Required memory[*2]	• Windows XP: 128M bytes or higher • Windows Vista: 512M bytes or higher • Windows 7 (32bit): 1G bytes or higher • Windows 7 (64bit): 2G bytes or higher
Hard disk space[*2]	• 5M bytes or higher * For DOCOMO Connection Manager, 10M bytes or higher

*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.

● 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 " 🌐 " → " コンピューター " (Computer)
     For Windows Vista, open " 🌐 " → " コンピュータ " (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-05B"

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-05B"**

● 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^{TM} 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^{TM} communication)**

Install the FOMA communication setting file to use the FOMA USB Cable with Charge Function 02.

Download/Install the FOMA communication
setting file*

Install the file from the "CD-ROM for N-05B". Alternatively, download the file from the DOCOMO website and install it.

Data exchange
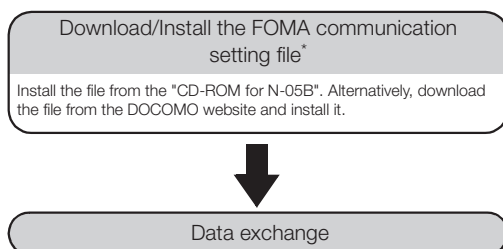
* ： Install DOCOMO keitai datalink in addition.

■ Packet communication and 64K data communication

Download and Install the FOMA communication setting file (drivers) /Connect to PC

- Install the FOMA communication setting file from the "CD-ROM for N-05B" or by downloading from the DOCOMO website.
  →p.9
- Connect the FOMA terminal to the PC with the FOMA USB Cable with Charge Function 02 (optional). →p.7

Check the setting after installation（p.11）

<To set up the access point using DOCOMO Connection Manager>

<Not using DOCOMO Connection Manager>

Install DOCOMO Connection Manager

- Enables you to use DOCOMO Connection Manager.
  "Installing DOCOMO Connection Manager" →p.15

Set up

- mopera U*
- Other providers

Set up

- Set up communication not using DOCOMO Connection Manager →p.19

Connect and disconnect

- Connect →p.18
- Disconnect →p.18

Connect and disconnect

- Connect →p.33
- Disconnect →p.34

* : 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.

1 MENU▶"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).
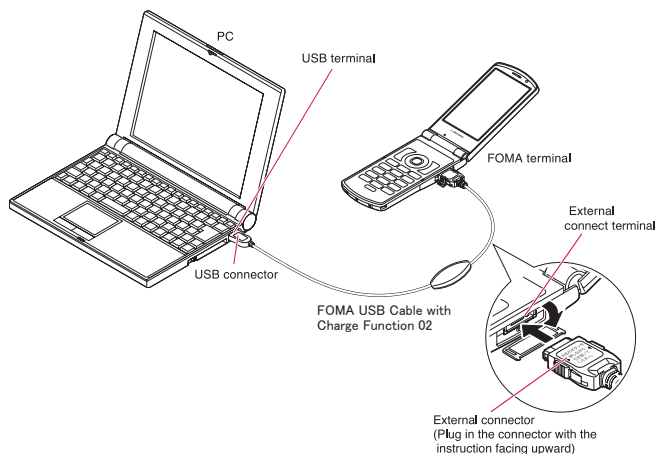
1 Open the external connector cap of the FOMA terminal

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).

Release button
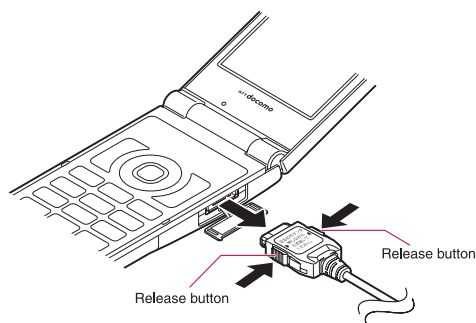
Release button

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.

*：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-05B" in the CD-ROM drive of your PC**

This screen will automatically appear.
If not, refer to the second 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)**
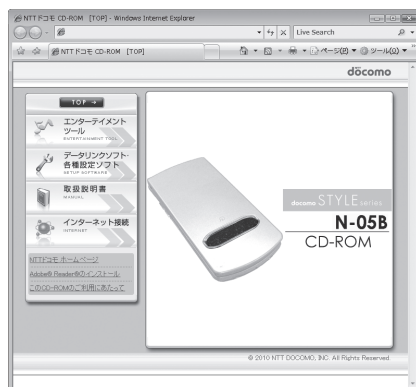
3 **Click the in-use OS name under "FOMA通信設定ファイル（USB ドライバ)" (FOMA communication setting file (USB driver))**

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 "n05b_is.exe"**

It is displayed "n05b_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.

9

7 Click "ドライバインストール" (Install driver)

Installation starts.

```
FOMA ドライバインストールツール                    [x]

    FOMA通信設定ファイル(ドライバ)をパソコンにインストールします。

    [ ドライバインストール ]              [ キャンセル ]
```
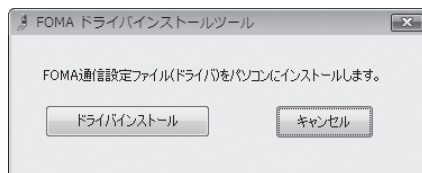
8 When this screen appears, click "OK"

```
n04b_is                                          [x]

    (i)  FOMA通信設定ファイル(ドライバ)の
         インストールが完了しました。
         FOMAをパソコンに接続してください。


                                          [ OK ]
```
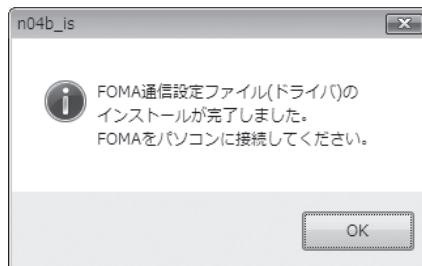
9 Turn on the FOMA terminal, then connect the FOMA USB Cable with Charge Function 02 (optional) to your FOMA terminal

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).

```
ドライバ ソフトウェアのインストール                              [x]
デバイスを使用する準備ができました。

このデバイスのソフトウェアは正しくインストールされました。
FOMA N05B                      使用する準備ができました
FOMA N05B                      使用する準備ができました
FOMA N05B OBEX Port (COM4)     使用する準備ができました
FOMA N05B Command Port (COM5)  使用する準備ができました

                                           [ 閉じる(C) ]
```

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" or "USB (Universal Serial Bus) コントローラ" on Windows Vista and Windows XP.
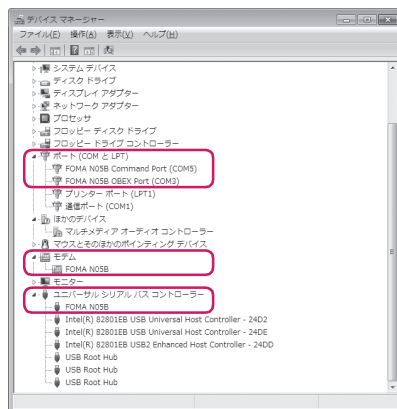
Device name	Driver name
ポート(COMとLPT)	• FOMA N05B Command Port • FOMA N05B OBEX Port
モデム	• FOMA N05B
ユニバーサルシリアルバスコントローラー or USB (Universal Serial Bus) コントローラー	• FOMA N05B

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 N05B USB" and click "アンインストールと変更" (Uninstall/ Change) and then "続行" (Continue)**

For Windows XP

Select "FOMA N05B USB" and click "変更と削除" (Change and delete)

4 **Click "OK" to uninstall**

To cancel uninstallation, click "キャンセル" (Cancel).

5 **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 N05B USB" is not displayed in the "プログラムと機能" (Applications and functions) on the Windows, perform the following procedure:
①Insert the "CD-ROM for N-05B" in the CD-ROM drive of your PC
②For Windows 7, open " 🔵 " → "コンピューター" (Computer)
　For Windows Vista, open " 🔵 " →"コンピュータ" (Computer)
　For Windows XP, open "スタート" (Start)→"マイコンピュータ" (My Computer)
③Right-click the CD-ROM icon and select "開く" (Open)
④For Windows 7 (32bit), open "N05B_driver_win7_32" → "Win7_32" folder in the CD-ROM
　For Windows 7 (64bit), open "N05B_driver_win7_64" → "Win7_64" folder
　For Windows Vista (32bit), open "N05B_driver_vista32" → "WinVista32" folder
　For Windows Vista (64bit), open "N05B_driver_vista64" → "WinVista64" folder
　For Windows XP, open "N05B_driver_win_xp" → "Win_XP" folder
⑤Double-click "n05b_un.exe" *
* : It is displayed as "n05b_un" depending on the setting of your PC.

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.
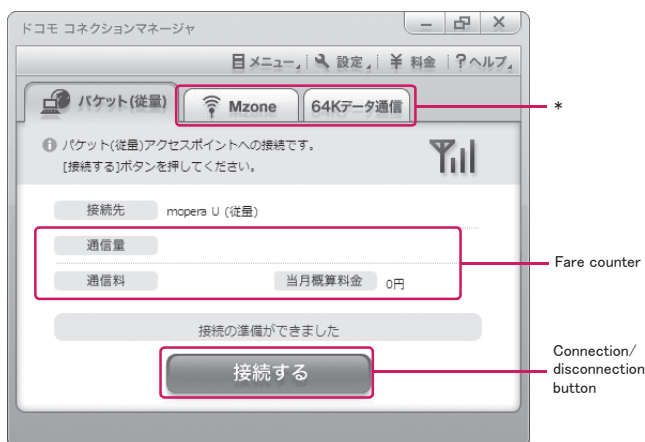
* : Will not be displayed by default. For details, refer to " ドコモ コネクションマネージャのヘルプ" (DOCOMO Connection Manager help).

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.14

● 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)
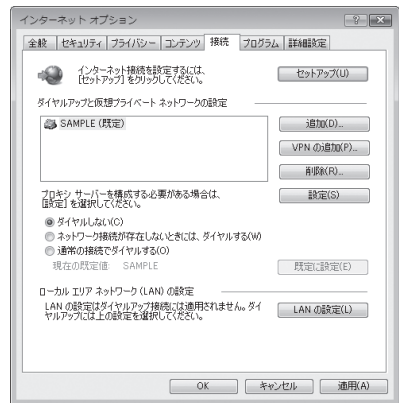
3 Click "OK"

● 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.
- ・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.

14

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 second 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" (③Install 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
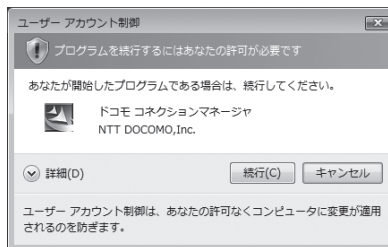
⑤ Click "**次へ**" (Next)
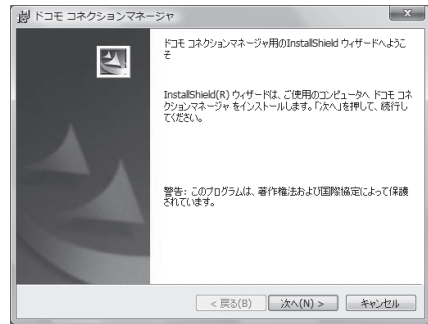
⑥ Confirm the precautions and click "**次へ**" (Next)
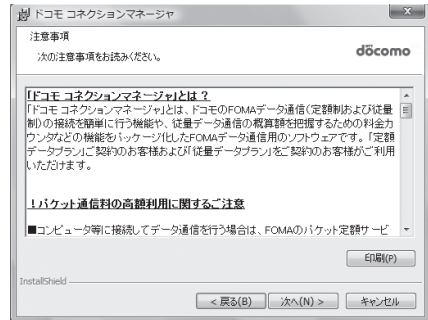
⑦ Upon confirming the user agreement, click "**使用許諾契約の条項に同意します**" (Agree) to agree to it, and click "**次へ**" (Next)
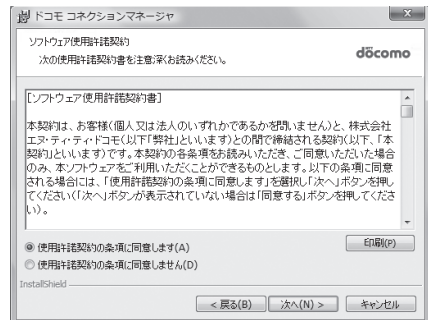
⑧ Select the installation location and click "**次へ**" (Next)

If you want to change the location, click "**変更**" (Change), specify the location and click "**次へ**" (Next).
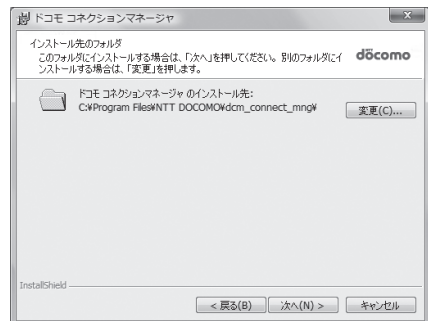
⑨ Click "インストール" (Install)
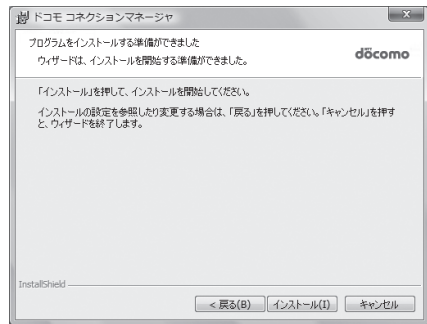
⑩ Click "完了" (Finish)

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).
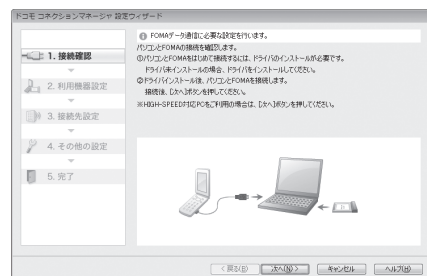
Executing Set Data Communication

1 Start DOCOMO Connection Manager

"Starting DOCOMO Connection Manager" → p.17

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.19) and "Setting up Dial-up" (p.26).

● 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.

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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.26).

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 N05B" (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.22).

● Preparation

This section takes the setting using the FOMA USB Cable with Charge Function 02 for example.

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 STYLE series N-05B", 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 N05B" and click "OK"

The COM port confirmed here will be used in the access point (APN) set up (p.22).

The contents displayed on the screen and the COM port number differ depending on the PC.
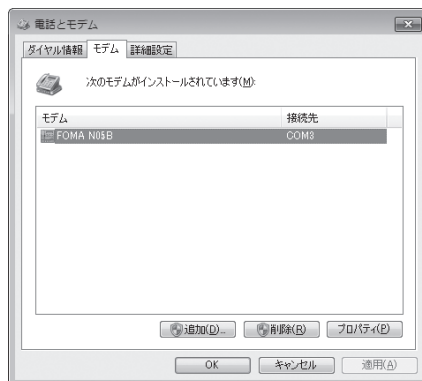
● **To check the COM port on Windows Vista**

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 N05B" and click "OK"

The COM port confirmed here will be used in the access point (APN) set up (p.22).

The contents displayed on the screen and the COM port number differ depending on the PC.
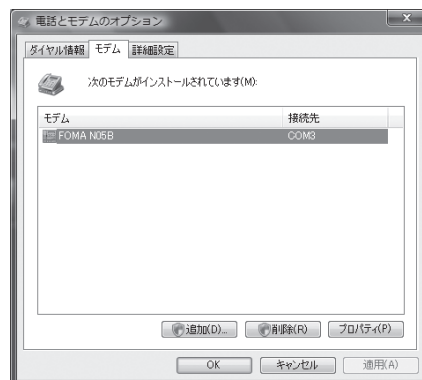
● **To check the COM port on Windows XP**

❶ **Open "スタート" (Start)→"コント**
ロールパネル" (Control Panel)
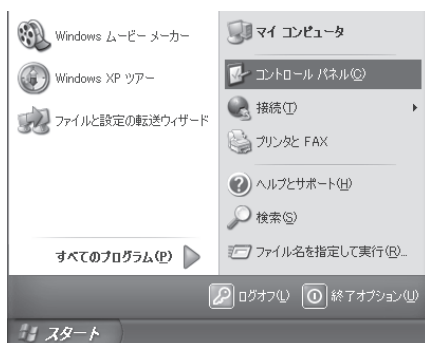
❷ **Open "電話とモデムのオプション"**
(Telephone and modem options)
from "プリンタとその他のハード
ウェア" (Printers and other
hardware) in Control Panel

❸ **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"

❹ **Click the "モデム" (Modem) tab to**
confirm the COM port of the "接続
先" (Access point) column of
"FOMA N05B" and click "OK"

The COM port confirmed here will be used in the
access point (APN) set up (p.22).

The contents displayed on the screen and the
COM port number differ depending on the PC.

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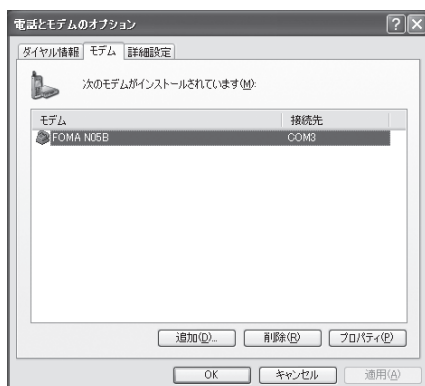
Setting up the access point (APN)

Default setting	cid1：mopera.ne.jp(PPP)　cid2：mopera.net(PPP)　cid3：mopera.net(IP) 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.[*1]
● 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.[*2]
● 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 N05B" 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 N05B" 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.19) to confirm the actual COM port number of "FOMA N05B" to be selected in "接続方法" (Connection method).

If a COM port of "FOMA N05B" 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 N05B" 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" ⏎ .
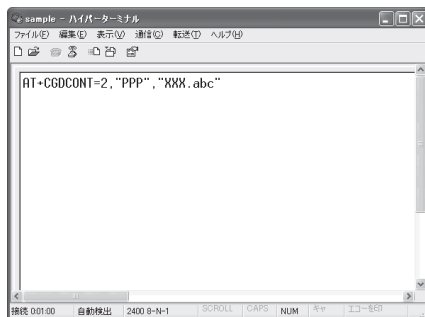
8 **Confirm that "OK" appears and click "ハイパーターミナルの終了" (Close Hyper terminal) in the "ファイル" (File) menu**

""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.24. 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.ne.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.36) 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.22).

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 ⏎

❸ 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

---
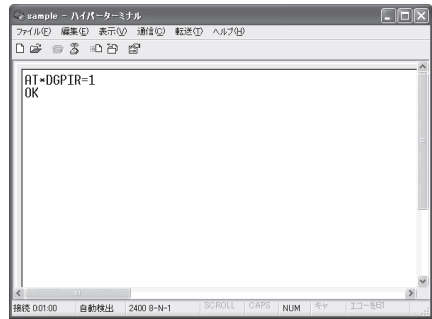
NOTE

● 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	

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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 N05B モデム" (FOMA N05B modem)

The modem selection screen appears only if there are multiple modems.
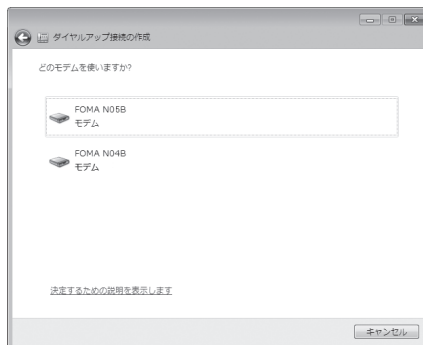
⑥ Select the "ダイヤルアップの電話番号" (Phone number for dial-up) and enter the number of the access point

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.
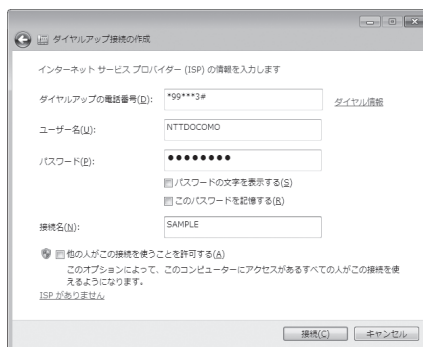
⑦ Click "接続" (Connect) and then click "スキップ" (Skip)
To confirm the settings, cancel a connection test.

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)

接続されていません

接続は使用可能です

ダイヤルアップと VPN

SAMPLE

SAMPLE2

ネットワークと共有センターを開く

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 N05B" (Modem - FOMA N05B) 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.

SAMPLEのプロパティ

全般 | オプション | セキュリティ | ネットワーク | 共有

接続の方法(T):
☑ モデム － FOMA N05B (COM3)
☐ モデム － FOMA N04B (COM6)

☑ すべてのデバイスで同じ番号を呼び出す(L)   構成(O)...
☑ 最初に利用できるデバイスのみダイヤルする(A)

電話番号
市外局番(E):   電話番号(P):
              *99***3#   その他(N)

国番号/地域番号(G):

☐ ダイヤル情報を使う(S)   ダイヤル情報(R)
データ収集と情報の使用については、「プライバシーに関する声明」を参照してください。

OK   キャンセル

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).

SAMPLEのプロパティ

全般 | オプション | セキュリティ | ネットワーク | 共有

この接続は次の項目を使用します(O):
☐ インターネット プロトコル バージョン 6 (TCP/IPv6)
☑ インターネット プロトコル バージョン 4 (TCP/IPv4)
☐ Microsoft ネットワーク用ファイルとプリンター共有
☐ Microsoft ネットワーク用クライアント

インストール(N)...   アンインストール(U)   プロパティ(R)

説明
伝送制御プロトコル/インターネット プロトコル。相互接続されたさまざまなネットワーク間の通信を提供する、既定のワイド エリア ネットワーク プロトコルです。

OK   キャンセル

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"

PPP 設定

☐ LCP 拡張を使う(E)
☐ ソフトウェアによる圧縮を行う(N)
☐ 単一リンク接続に対してマルチリンクをネゴシエートする(M)

OK   キャンセル
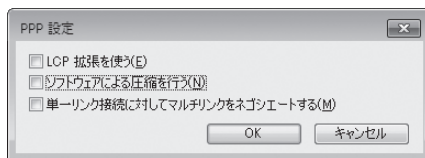
15 Click "OK"

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 N05B モデム" (FOMA N05B modem)

The modem selection screen appears only if there are multiple modems.

ダイヤルアップ接続をセットアップします

どのモデムを使いますか?

FOMA N05B
モデム

FOMA N04B
モデム

決定するための説明を表示します

キャンセル

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.

ダイヤルアップ接続をセットアップします

インターネット サービス プロバイダ (ISP) の情報を入力します

ダイヤルアップの電話番号(D):   *99***3#   ダイヤル情報
ユーザー名(U):   NTTDOCOMO
パスワード(P):   ●●●●●●●●
☐ パスワードの文字を表示する(S)
☐ このパスワードを記憶する(R)
接続名(N):   SAMPLE
⦿ ☐ 他の人がこの接続を使うことを許可する(A)
このオプションによって、このコンピュータにアクセスがあるすべての人がこの接続を使えるようになります。
ISP がありません

接続(C)   キャンセル
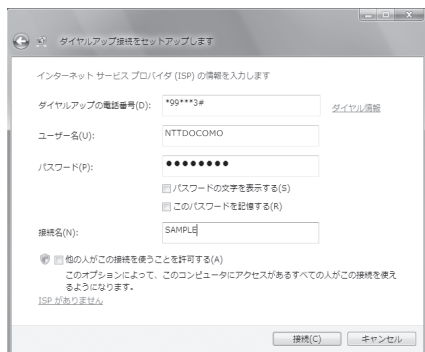
6 Click "接続" (Connect) and then click "スキップ" (Skip)
To confirm the settings, cancel a connection test.

28

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)
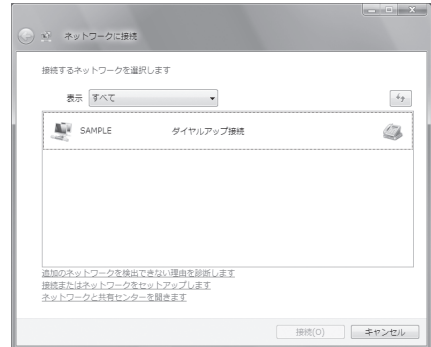
10 Confirm the settings on the "全般" (General) tab

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 N05B" (Modem - FOMA N05B) 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.
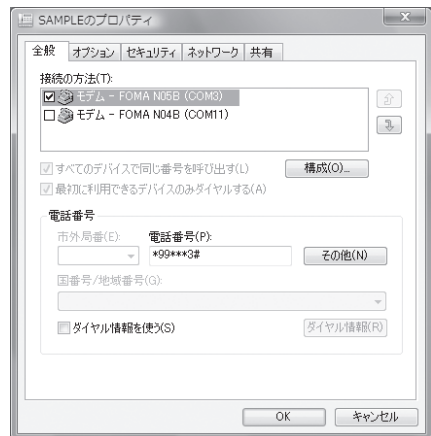
11 Click the "ネットワーク" (Network) tab and set up each setting

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" (Use the following items for this connection). Check "QoS パケットスケジューラ" (QoS Packet Scheduler) and other items if instructed by the provider.

29
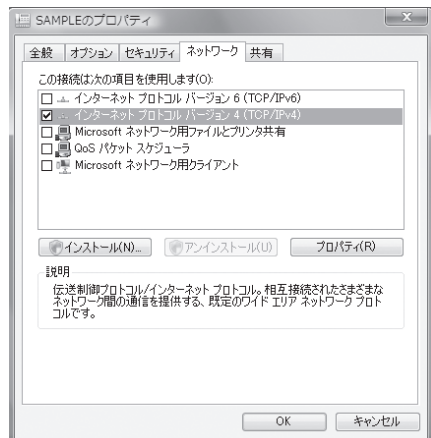
12 Click the "オプション" (Options) tab and click "PPP設定" (PPP settings)

13 Clear all the boxes and click "OK"

PPP 設定

☐ LCP 拡張を使う(E)
☐ ソフトウェアによる圧縮を行う(N)
☐ 単一リンク接続に対してマルチリンクをネゴシエートする(M)

OK   キャンセル
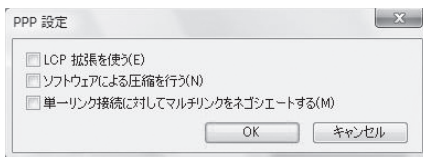
14 Click "OK"

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)

新しい接続ウィザード

新しい接続ウィザードの開始

このウィザードでは次の手助けをします:
• インターネットへの接続
• 職場でのネットワークなどのプライベート ネットワークへの接続
• ホーム ネットワークや小規模オフィスのネットワークのセットアップ

続行するには [次へ] をクリックしてください。

< 戻る(B)   次へ(N) >   キャンセル
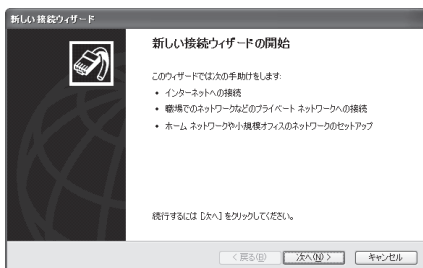
3 Select "インターネットに接続する" (Connect to the Internet) and click "次へ" (Next)

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)
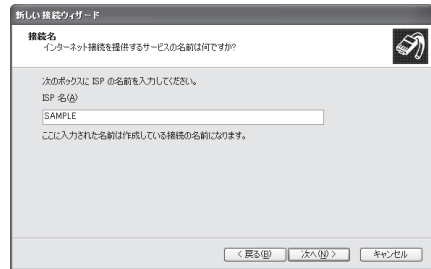
5 Select "ダイヤルアップモデムを使用して接続する" (Connect using a dial-up modem) and click "次へ" (Next)

6 If the "デバイスの選択" (Select the device) screen appears, select only "モデム－ FOMA N05B (COMx)" (Modem － FOMA N05B (COMx)), and click "次へ" (Next)

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.19).

新しい接続ウィザード

デバイスの選択
接続に使うデバイスを選択します。

コンピュータ上に複数のダイヤルアップ デバイスがあります。
この接続に使用するデバイスの選択(S):

☑ モデム － FOMA N05B (COM3)
☐ モデム － FOMA N04B (COM6)

< 戻る(B)   次へ(N) >   キャンセル

30
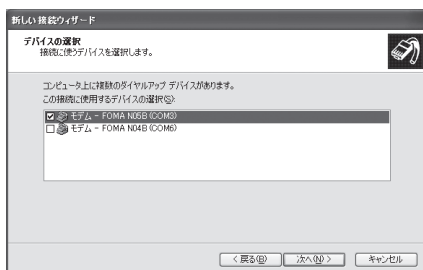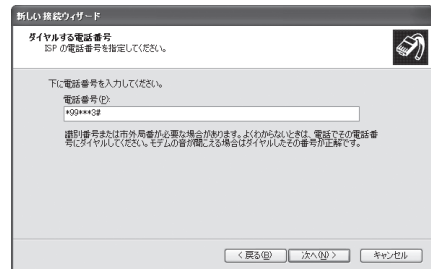
7 Enter any name you want in the "ISP 名" (ISP Name) and click "次へ" (Next)

8 Enter the number of the access point in the "電話番号" (Telephone Number) column and click "次へ" (Next)
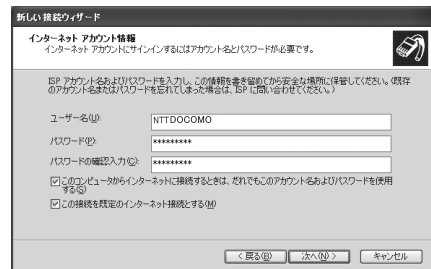
This screen is an example of accessing mopera U by packet communication.

9 Click "次へ" (Next)
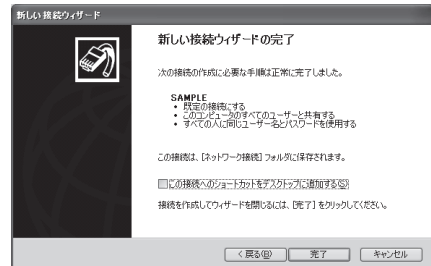
You can leave user name and password blank for mopera U or mopera connection.
To connect to any other provider than mopera U or mopera, enter exact information specified by the provider or network administrator in the "ユーザー名" (User Name), "パスワード" (Password) and "パスワードの確認入力" (Confirm Password) columns 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
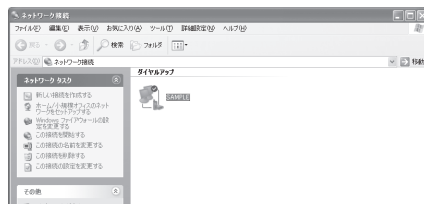
13 Confirm the settings on the "全般" (General) tab

If two or more modems are connected to the PC

When connecting using the FOMA USB Cable with Charge Function 02, confirm that only "モデムー FOMA N05B" (Modem - FOMA N05B) 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.
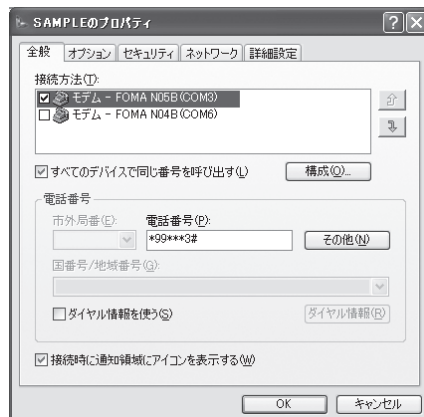
14 Click the "ネットワーク" (Network) tab and set up each setting

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.
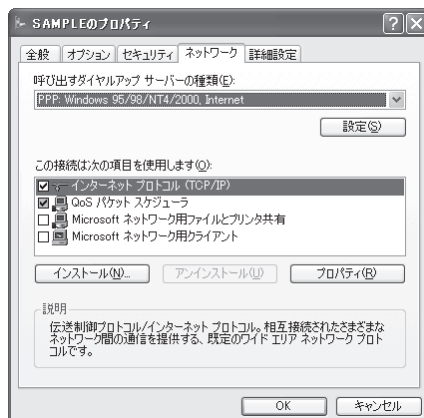
15 Click "設定" (Settings)

16 Clear all the boxes and click "OK"
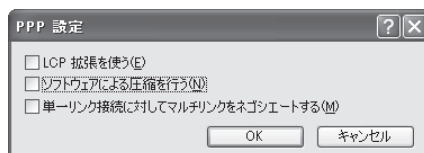
17 When the Step 14 screen reappears, click "OK"

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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 "🔘" → "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)
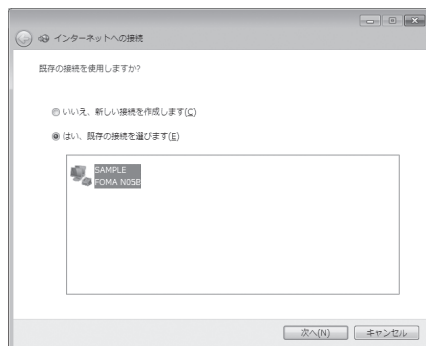
4 Confirm the settings and click "ダイヤル" (Dial)

This screen is an example for mopera U connection. You can leave user name and password blank for mopera U or mopera connection.
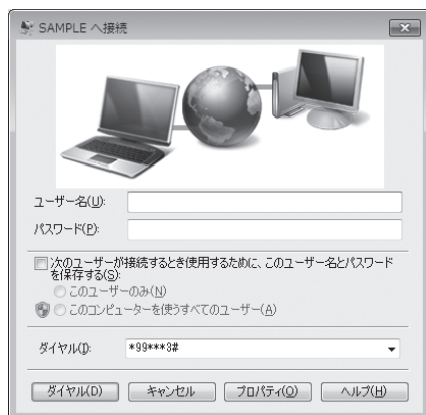
<The Connecting screen appears>
While this screen appears, the log-on process such as confirmation of the user name and password is performed.

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<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.19) and "Setting up Dial-up" (p.26).
See p.18 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-05B" is not recognized by the PC.	・ Check if your PC satisfies the required operational environment (p.4). ・ Check if the FOMA terminal is connected to the PC and the power is turned on. ・ Check if the FOMA communication setting file (drivers) is installed. ・ Check if the FOMA USB Cable with Charge Function 02 (optional) is firmly connected. ・ Check if the USB mode (p.7) is set to "Communication mode".
Unable to connect with the access point.	・ Check if the settings for the ID (user name) and password are correct. ・ If the access point requires the Caller ID, make sure that "184" is not added to the phone number. ・ Check if the box of "フロー制御を使う" (Use the flow control) of the modem property is checked. ・ Check if the APN is set correctly. ・ 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.

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 N05B (モデム)" (modem):

AT command	Outline	Parameter/description	Command execution example
A/	Executes the last executed command again. No carriage return is necessary.	—	A/ OK
AT	—	The modem function of a FOMA terminal is controllable by adding the command of this table after this command. * OK is answered even when only AT is entered.	AT OK
AT%V	Displays the version of the FOMA terminal.	—	AT%V Ver1.00 OK
AT&Cn [&F] [&W]	Selects the operating condition of the circuit CD signal to DTE.	$n=0$: CD is always ON. $n=1$: CD changes according to the carrier of the other party's modem (initial value).	AT&C1 OK
AT&Dn [&F] [&W]	Selects the operation to take place when the circuit ER signal received from DTE transits between ON and OFF.	$n=0$: Ignores ER status (always assumed to be ON). $n=1$: When ER changes from ON to OFF, it becomes an on-line command status. $n=2$: 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 OK
AT&En [&F] [&W]	Selects how to display the connection speed.	$n=0$: Displays the wireless network transmission speed. $n=1$: Displays the DTE serial transmission speed (initial value).	AT&E0 OK
AT&Fn	Restores all of registers to their defaults. If this command is input during communication, the line will be disconnected.	Only $n=0$ can be specified (can be omitted).	(At the time of off-line mode) AT&F OK AT&F? ERROR AT&F＝? ERROR (At the time of on-line command mode) AT&F NO CARRIER (Change to off-line mode)
AT&Sn [&F] [&W]	Sets the Data Set Ready signal to be output to DTE.	$n=0$: DR is always ON (initial value). $n=1$: DR signal is ON when the line is connected (when the communication call is established).	AT&S0 OK

AT command	Outline	Parameter/description	Command execution example
AT&W*n*	Stores the current settings.	Only *n* = 0 can be specified (can be omitted).	AT&W0 OK AT&W OK AT&W? ERROR AT&W = ? ERROR
AT＊DANTE	Displays the FOMA terminal signal reception level.	0： FOMA terminal signal reception level is displayed as out of area. 1： FOMA terminal signal reception level is 0 or 1 bar. 2： FOMA terminal signal reception level is 2 bars. 3： FOMA terminal signal reception level is 3 bars.	AT＊DANTE ＊DANTE:3 OK AT＊DANTE = ? ＊DANTE:(0-3) OK
AT＊DGANSM=*n*	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.	*n* = 0： Disables the incoming call reject (AT＊DGARL)/permit setting (AT＊DGAPL) (initial value). *n* = 1： Enables the incoming call reject setting. *n* = 2： Enables the incoming call permit setting. AT＊DGANSM? ： Displays the current setting.	AT＊DGANSM=0 OK AT＊DGANSM? ＊DGANSM:0 OK
AT＊DGAPL=*n* [,cid]	Sets APN, which permits incoming packet calls, by using <cid> parameter defined by +CGDCONT	*n* = 0 ： Adds the APN defined by <cid> to incoming call permission list. *n* = 1 ： Deletes the APN defined by <cid> from incoming call permission list. If <cid> is omitted, this will apply to all cid. AT＊DGAPL? ： Displays incoming call permission list.	AT＊DGAPL =0,1 OK AT＊DGAPL? ＊DGAPL:1 OK AT＊DGAPL =1 OK AT＊DGAPL? OK
AT＊DGARL=*n* [,cid]	Sets APN, which rejects incoming packet calls, by using <cid> parameter defined by +CGDCONT	*n* = 0 ： Adds the APN defined by <cid> to incoming call rejection list. *n* = 1 ： Deletes the APN defined by <cid> from incoming call rejection list. If <cid> is omitted, this will apply to all cid. AT＊DGARL? ： Displays incoming call rejection list.	AT＊DGARL =0,1 OK AT＊DGARL? ＊DGARL:1 OK AT＊DGARL =1 OK AT＊DGARL? OK
AT＊DGPIR=*n*	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.24)	*n* = 0 ： Uses APN as it is (initial value). *n* = 1 ： Uses APN by adding "184". (Caller ID is always not sent.) *n* = 2 ： Uses APN by adding "186". (Caller ID is always sent.) AT＊DGPIR? ：Displays the current setting.	AT＊DGPIR =0 OK AT＊DGPIR? ＊DGPIR:0 OK
AT＊DRPW	Displays the indicator value of the receiving power of the FOMA terminal.	—	AT＊DRPW ＊DRPW:0 OK AT＊DRPW=? ＊DRPW:(0-75) OK
AT+CAOC	Inquires for the current charge.	—	AT+CAOC +CAOC:"000014" OK

AT command	Outline	Parameter/description	Command execution example
AT+CBC	Displays the battery status of the FOMA terminal.	Result: +CBC:<bcs>,<bcl> bcs: 0 : FOMA terminal is powered by the battery. 1 : FOMA terminal is not powered by the battery. 2 : FOMA terminal is not connected to the battery. 3 : FOMA terminal is out of transmission due to the power-supply error. bcl: 0 : Battery has run out, or battery is not connected. 1-100 : Battery remained	AT+CBC +CBC:0,70 OK AT+CBC? ERROR AT+CBC=? +CBC:(0-3),(0-100) OK
AT+CBST [&F] [&W]	Changes the bearer service type.	Format: AT+CBST=<n>,1,0 n=116 : 64,000bps (bit transparent) (initial value) n=134 : 64,000bps (multimedia)	AT+CBST=134,1,0 OK AT+CBST? +CBST:134,1,0 OK AT+CBST=? +CBST:(116,134), (1),(0) OK
AT+CDIP=n [&F] [&W]	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). n=1 : Notify the called sub address. AT+CDIP? : Displays the current setting. +CDIP:n,m m=0 : You do not subscribe to Multi number. m=1 : You subscribe to Multi number. m=2 : Unknown	AT+CDIP=0 OK AT+CDIP? +CDIP:0,1 OK
AT+CEER	Displays the reason for disconnection of the previous call.	Result: +CEER:<report> report: List of disconnection reasons (p.48).	AT+CEER +CEER:36 OK
AT+CGDCONT	Sets the access point name (APN) for packet origination.	p.45	p.45
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.45	p.45
AT+CGEQREQ	Sets the QoS (quality of service) to be requested to network when originating a PPP packet communication.	p.46	p.46
AT+CGMR	Displays the version of the FOMA terminal.	—	AT+CGMR 12345xxxxxxxxxxx OK

AT+CGREG=n
 	
[&F] [&W]
	Specifies whether to notify the network registration condition.
	The returned notification displays whether you are inside or out of service.
		n=0 : Not informed (initial value).
		n=1 : Informed.
		    Informed when switching between "Inside the service area" and "Outside the service area" is completed.
		AT+CGREG?
		  : Displays the current setting.
		+CGREG : <n>, <stat>
		    n: Set value
		    stat :
		      0: Out of packet area
		      1: Within packet area
		      4: Unknown
		      5: Within packet area
			AT+CGREG=1
			OK (Set to informed)
			AT+CGREG?
			+CGREG: 1,0
			OK
			AT+CGREG=?
			+CGREG: (0,1)
			OK
			(Outside the service area)
			
			(When you move from "outside the service area" to "inside the service area".)
			+CGREG:1

AT+CGSN	Displays the product number of the FOMA terminal.	—	AT+CGSN 12345xxxxxxxxxxx OK

AT command	Outline	Parameter/description	Command execution example
AT+CLIP=n [&F] [&W]	Displays the other party's Caller ID on a PC when a 64K data communication call is received.	n=0 : Not display the result (initial value) n=1 : Display the result AT+CLIP? : Displays the current setting. +CLIP:n,m m=0 : NW setting not notifying the other party of the Caller ID in outgoing call. m=1 : NW setting notifying the other party of the Caller ID in outgoing call. m=2 : Unknown	AT+CLIP=0 OK AT+CLIP? +CLIP:0,1 OK (A call is received when +CLIP=1 is set) RING +CLIP: "090XXXXXXXX",177, "123",136
AT+CLIR=n	Sets whether or not to notify the other party of the phone number when originating a 64K data communication call.	n=0 : Complies to the CLIR service contract. n=1 : Not notify the other party of the caller's phone number. n=2 : Notify the other party of the caller's phone number (initial value). AT+CLIR? : Displays the current setting. +CLIR:n,m m=0 : CLIR is not started (Caller ID is always sent) m=1 : CLIR is started (Caller ID is always not sent) m=2 : Unknown m=3 : CLIR temporary mode (default is not notify) m=4 : CLIR temporary mode (default is notify)	AT+CLIR=0 OK AT+CLIR? +CLIR:0,1 OK AT+CLIR=? +CLIR:(0-2) OK
AT+CMEE=n [&F] [&W]	Sets whether the error report of the FOMA terminal is present.	n=0 : Use the ERROR result (initial value). n=1 : +CME ERROR:<err> result code is used, and a numeral value is used for <err>. n=2 : +CME ERROR:<err> result code is used, and characters are used for <err>. AT+CMEE? : Displays the current setting. The command displayed on the right is the execution example for cases when there is a FOMA terminal problem or a connection error. +CME ERROR result code is as follows. 1 : no connection to phone 10 : SIM not inserted 15 : SIM wrong 16 : incorrect password 100 : unknown	AT+CMEE=0 OK AT+CNUM ERROR AT+CMEE=1 OK AT+CNUM +CME ERROR:10 AT+CMEE=2 OK AT+CNUM +CME ERROR:SIM not inserted
AT+CNUM	Displays the own number of the FOMA terminal.	Result: +CNUM:,<number>,<type> number: phone number type : 129 or 145 129 : International access code (+) is not included. 145 : International access code (+) is included.	AT+CNUM +CNUM:,"+8190XXXXX XXX",145 OK

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AT command	Outline	Parameter/description	Command execution example
AT+COPS	Selects the network operator to connect.	Format : AT+COPS=\<mode\>,2,\<oper\> mode=0 : automatic (searches the network and switches the network operator automatically) mode=1 : manual (connects to the network operator specified in \<oper\>) mode=2 : Disconnects the connection to the network operator mode=3 : Mapping is not performed. mode=4 : manual/automatic (if the connection to the network operator specified in \<oper\> fails, works as automatic mode.) \<oper\> is a hexadecimal value which consists of Country code (MCC) and Network code (MNC). The format is as follows: 　Digit 1 of MCC ··· octet 1 bits 1 to 4 　Digit 2 of MCC ··· octet 1 bits 5 to 8 　Digit 3 of MCC ··· octet 2 bits 1 to 4 　Digit 3 of MNC ··· octet 2 bits 5 to 8 　Digit 2 of MNC ··· octet 3 bits 5 to 8	AT+COPS=0 OK AT+COPS? +COPS:0 OK AT+COPS=? +COPS:(2,,,"44F001"), (3,,,"44F002"),,(0,1,3),(2) OK
AT+CPAS	Displays whether the control signal to the FOMA terminal is available or not.	Result: +CPAS: \<pas\> pas: 　0 : FOMA terminal can send/receive control signal. 　1 : FOMA terminal can not send/receive control signal. 　2 : Unknown (control signal sending/receiving is not assured). 　3 : FOMA terminal can send/receive control signal and it is currently receiving. 　4 : FOMA terminal can send/receive control signal and it is currently communicating.	AT+CPAS +CPAS:0 OK AT+CPAS? ERROR AT+CPAS=? +CPAS:(0-4)

AT command	Outline	Parameter/description	Command execution example
AT+CPIN	Enters the PIN code in the FOMA terminal.	Format: AT+CPIN="<pin>","<newpin>" 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. 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 <pin> and <newpin> in " ". AT+CPIN? result 　+CPIN：READY：PIN1 code, PIN2 code 　Cannot enter the PUK1 or PUK2 code 　+CPIN：SIM PIN：PIN1 entry standby 　+CPIN：SIM PIN2：PIN2 entry standby 　+CPIN：SIM PUK：PIN1 blocked (Can enter PUK1 code) 　+CPIN:SIM PUK2：PIN2 blocked (Can enter PUK2 code) 　The command displayed on the right is an entry sample of PIN code "1234" and PUK code "12345678".	(The status in which +CPIN: READY is answered when +CPIN? is entered) AT+CPIN="1234" ERROR (The status in which +CPIN: READY is answered when +CPIN? is entered) AT+CPIN="12345678","1234" ERROR (The status in which +CPIN: SIM PIN is answered when +CPIN? is entered) AT+CPIN="1234" OK (The status in which +CPIN: SIM PUK is answered when +CPIN? is entered: PIN1 lock status) AT+CPIN="12345678","1234" OK (The status in which +CPIN: SIM PUK2 is answered when +CPIN? is entered: PIN2 lock status) AT+CPIN="12345678","1234" OK AT+CPIN? +CPIN:READY OK AT+CPIN=? OK
AT+CR=n [&F] [&W]	When the line is connected, displays the bearer service type before the CONNECT result code is displayed.	n = 0 ： Not display (initial value). n = 1 ： Display. <serv>　： Displays only "GPRS", which means packet communication. 　　　　(Displaying "SYNC" or "AV64K" depending on the line type.) AT+CR?: 　： Displays the current setting.	AT+CR =1 OK ATD＊99＊＊＊1# +CR：GPRS CONNECT
AT+CRC=n [&F] [&W]	Sets whether to use the extended result code for the incoming call.	n = 0 ： Not use +CRING (initial value). n = 1 ： Use +CRING.<type>. 　Format of +CRING: 　+CRING：SYNC 　+CRING：AV64K 　　： GPRS "PPP" ,,, "<APN>" AT+CRC? 　： Displays the current setting.	AT+CRC=0 OK AT+CRC? +CRC：0 OK (PPPoverUD received) +CRING：SYNC (AV64K received) +CRING：AV64K (PPP packet received) +CRING：GPRS "PPP" ,,, "〈APN〉"

AT command	Outline	Parameter/description	Command execution example
AT+CREG=*n* [&F] [&W]	Specifies whether the result screen is present regarding the inside/outside the service area information display. ● This setting may not be available depending on the Operating System.	*n*=0 : Not informed (initial value). *n*=1 : Informed. 　　　　Informed when switching between "Inside the service area" and "Outside the service area" is complete. AT+CREG? 　　　: Displays the current setting. +CREG　: <*n*>,<stat> 　　　　　*n*: Set value 　　　　　stat: 　　　　　　　0: Outside voice call area 　　　　　　　1: Inside voice call area 　　　　　　　4: Unknown 　　　　　　　5: Inside voice call area	AT+CREG=1 OK (Set to informed) AT+CREG? +CREG ： 1,0 OK (Outside the service area) (When you move from outside the service area to inside the service area.) +CREG ： 1
AT+CUSD [&F] [&W]	Specifies or inquires for the network setting regarding the additional services.	Format: AT+CUSD=<*n*>,"<str>"[,0] *n*=0 : Does not send mid result <m>[<str>,<dcs>] (initial value) *n*=1 : Sends mid result <m>[<str>,<dcs>] 　Mid result: 　*m*=0 : The settings completed 　*m*=1 : The network requires the information. str : Only 0-9, #, ＊ can be entered. Enclose <str> with "" (double quotation mark).	AT+CUSD=0, "xxxxxxxx" OK AT+CUSD=1," 148 ＊ 1 ＊ 0000#",0 +CUSD:0,"148 ＊ 7#",0 OK AT+CUSD? +CUSD:0 OK AT+CUSD =? +CUSD:(0,1) OK
AT+FCLASS=*n* [&F] [&W]	Sets the communication class supported by the FOMA terminal.	*n*=0 : data is only supported. (initial value)	AT+FCLASS=0 OK
AT+GCAP	Displays the supported area for the AT commands available for the FOMA terminal.	Result: +GCAP:<area>,<area>,<area> area ： +CGSM　　：Some or all GSM commands are supported. +FCLASS ： +FCLASS command is supported. +W　　　： +W command is supported.	AT+GCAP +GCAP:+CGSM,+FCLASS,+W OK
AT+GMI	Displays the manufacturer name.	—	AT+GMI NEC OK
AT+GMM	Displays the FOMA terminal product name (FOMA N05B).	—	AT+GMM FOMA N05B OK
AT+GMR	Displays the version of the FOMA terminal.	—	AT+GMR Ver1.00 OK
AT+IFC=*n,m* [&F] [&W]	Selects the flow control method.	*n* ： DCE by DTE *m* ： DTE by DCE 　　0 ： No flow control 　　1 ： XON/XOFF flow control. 　　2 ： RS/CS (RTS/CTS) flow control. initial value: *n,m* =2, 2 AT+IFC?: Displays the current setting.	AT+IFC=2,2 OK AT+IFC? +IFC ： 2,2 OK AT+IFC=? +IFC ：(0,1,2) ,(0,1,2) OK
AT+WS46	Displays the wireless communication network of the FOMA terminal.	12 ： GSM/GPRS fixed mode 22 ： 3G fixed mode 25 ： Auto mode	AT+WS46? 25 OK

AT command	Outline	Parameter/description	Command execution example
AT¥S	Displays the contents of commands and S registers currently set.	—	AT¥S E1 Q0 V1 X4 &C1 &D2 &S0 &E1 ¥V0 S000=000 S002=043 S003=013 S004=010 S005=008 S006=005 S007=060 S008=003 S010=001 S030=000 S103=001 S104=001 OK
AT¥Vn [&F] [&W]	Selects the response code specification for connecting the line.	$n=0$: Not use extended result code (initial value). $n=1$: Use extended result code.	AT¥V0 OK
ATA	Handles the incoming call process according to the mode received by the FOMA terminal.	—	RING ATA CONNECT
ATD	Handles the automatic calling process for the FOMA terminal according to the specified parameters and dial parameters.	ATD∗99∗∗∗<cid>#: Packet communication <cid> 1 to 10: displays APN with +CGDCONT setting. AT+CBST=116,1,0 ATD<phone number> : 64K communication AT+CBST=134,1,0 ATD<phone number> : AV64K communication	<Packet communication> ATD∗99∗∗∗1# CONNECT <64K communication> AT+CBST=116,1,0 OK ATD090xxxxxxxx CONNECT <AV64K communication> AT+CBST=134,1,0 OK ATD090xxxxxxxx CONNECT
ATEn [&F] [&W]	Selects whether the echo back is present for DTE in the command mode.	$n=0$: Echo back absent. $n=1$: Echo back present (initial value).	ATE1 OK
ATHn	Performs on-hook operation for the FOMA terminal.	$n=0$: Disconnect the line (can be omitted).	(During packet communication) +++ OK ATH NO CARRIER
ATIn	Displays the ID code.	$n=0$: Displays "NTT DoCoMo". $n=1$: Displays the product name (same with +GMM). $n=2$: Displays the version of the FOMA terminal (same with +GMR). $n=3$: Displays the each element of ACMP signal. $n=4$: Displays the details of communication functions of the FOMA terminal.	ATI0 NTT DoCoMo OK ATI1 FOMA N05B OK
ATOn	Returns from the online command mode to the online data mode during communication.	$n=0$: Returns from online command mode to online data mode (can be omitted).	ATO CONNECT
ATQn [&F] [&W]	Specifies whether or not to display the result code for DTE.	$n=0$: Displays the result code (initial value). $n=1$: Not display the result code.	ATQ0 OK ATQ1 (At that time, OK is not returned.)

AT command	Outline	Parameter/description	Command execution example
ATS0=*n* [&F] [&W]	Specifies how many times the FOMA terminal rings before it automatically receives a call.	*n* = 0 : No automatic answer (initial value). *n* = 1- 255: A call is automatically answered after the specified number of rings. ATS0?: Displays the current setting.	ATS0=0 OK ATS0? 000 OK
ATS2=*n* [&F]	Sets an escape character.	*n* = 43 : Initial value. *n* = 127 : Escapes processing is invalid. ATS2? : Displays the current setting.	ATS2=43 OK ATS2? 043 OK
ATS3=*n* [&F]	Sets a carriage return (CR) character.	*n* = 13 : Initial value (Only *n* = 13 can be specified). ATS3? : Displays the current setting.	ATS3=13 OK ATS3? 013 OK
ATS4=*n* [&F]	Sets a line feed (LF) character.	*n* = 10 : Initial value (Only *n* = 10 can be specified). ATS4? : Displays the current setting.	ATS4=10 OK ATS4? 010 OK
ATS5=*n* [&F]	Sets a backspace (BS) character.	*n* = 8 : Initial value (Only *n* = 8 can be specified). ATS5? : Displays the current setting.	ATS5=8 OK ATS5? 008 OK
ATS6=*n* [&F]	Sets the pause time (second) until a dial starting.	This command can be set but cannot be operated.	ATS6=5 OK ATS6? 005 OK ATS6=? ERROR
ATS8=*n* [&F]	Sets the pause time (second) by using the comma dial.	This command can be set but cannot be operated.	ATS8=3 OK ATS8? 003 OK ATS8=? ERROR
ATS10=*n* [&F][&W]	Automatic disconnection delay time setting. (1/10 second)	This command can be set but cannot be operated.	ATS10=1 OK ATS10? 001 OK ATS10=? ERROR
ATS30=*n* [&F]	Disconnects the line when there is no user data exchange for the time set in this command.	*n* = 0 : Inactive timer off (initial value) *n* = 0 - 255 Where *n* is the number of minutes.	ATS30=0 OK ATS30? 000 OK ATS30=? ERROR
ATS103=*n* [&F]	Sets the called sub address character.	*n* = 0 : * *n* = 1 : / (initial value) *n* = 2 : ¥ (¥ mark or back slash)	ATS103=0 OK ATS103? 000 OK ATS103=? ERROR

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AT command	Outline	Parameter/description	Command execution example
ATS104=n [&F]	Sets the calling sub address character.	$n=0$: # $n=1$: % (initial value) $n=2$: &	ATS104=0 OK ATS104? 000 OK ATS104=? ERROR
ATVn [&F] [&W]	Specifies whether the result code is returned in numerals or alphabets.	$n=0$: Returns the result code in numeral value. $n=1$: Returns the result code in characters (initial value).	ATV1 OK
ATXn [&F] [&W]	Specifies whether the speed indication is present in the CONNECT display when connecting the line. Also detects a busy tone or a dial tone.	$n=0$: Without dial tone detection; without busy tone detection; without speed display. $n=1$: Without dial tone detection; without busy tone detection; with speed display. $n=2$: With dial tone detection; without busy tone detection; with speed display. $n=3$: Without dial tone detection; with busy tone detection; with speed display. $n=4$: With dial tone detection; with busy tone detection; with speed display. (initial value)	ATX1 OK
ATZ	Resets the current setting to the contents of the non-volatile memory. If this command is input during communication, the line will be disconnected.	—	(Online command mode) ATZ NO CARRIER (Offline command mode) ATZ 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) +++ (No display) 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.22), 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

<div style="background:#ccc">NOTE</div>

● The result code appears as character indication (default value) when ATVn command (p.44) 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).
● "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¥V*n* command (p.42) 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 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

The page contains a comprehensive Kuten code table organized in three sections (columns), each listing "First to third digits of Kuten codes" (ranging 010–244) against the "Fourth digit of Kuten codes" (0–9), filled with Japanese symbols, punctuation, hiragana, katakana, Cyrillic letters, Greek letters, box-drawing characters, and kanji.

JIS Kuten Code Chart (page 2)

Each block header reads: *First to third digits of Kuten codes* | *Fourth digit of Kuten codes* (columns 0–9).

Left block

1st–3rd	0	1	2	3	4	5	6	7	8	9
245	糊	袴	股	胡	菰	虎	誇	跨	鈷	雇
246	顧	鼓	御	悟	梧	檎	瑚	碁	語	誤
247	護	醐	乞	鯉	交	佼	侯	候	倖	光
248	公	功	効	勾	厚	口	向	后	喉	坑
249	垢	好	孔	孝	宏	工	巧	巷	幸	広
250	庚	康	弘	恒	慌	抗	拘	控	攻	昂
251	晃	更	杭	校	梗	構	江	洪	浩	港
252	溝	甲	皇	硬	稿	糠	紅	紘	絞	綱
253	耕	考	肯	肱	腔	膏	航	荒	行	衡
254	講	貢	購	郊	酵	鉱	砿	鋼	閤	降
255	項	香	高	鴻	剛	劫	号	合	壕	拷
256	濠	豪	轟	麹	克	刻	告	国	穀	酷
257	鵠	黒	獄	漉	腰	甑	忽	惚	骨	狛
258	込	此	頃	今	困	坤	墾	婚	恨	懇
259	昏	昆	根	梱	混	痕	紺	艮	魂	

さ

1st–3rd	0	1	2	3	4	5	6	7	8	9
261										些
262	佐	叉	唆	嵯	左	差	査	沙	瑳	砂
263	詐	鎖	裟	坐	座	挫	債	催	再	最
264	哉	塞	妻	宰	彩	才	採	栽	歳	済
265	災	采	犀	砕	砦	祭	斎	細	菜	裁
266	載	際	剤	在	材	罪	財	冴	坂	阪
267	堺	榊	肴	咲	崎	埼	碕	鷺	作	削
268	咋	搾	昨	朔	柵	窄	策	索	錯	桜
269	鮭	笹	匙	冊	刷	察	拶	撮	擦	札
270	殺	薩	雑	皐	鯖	捌	錆	鮫	皿	晒
271	三	傘	参	山	惨	撒	散	桟	燦	珊
272	産	算	纂	蚕	讃	賛	酸	餐	斬	暫
273	残									

し

1st–3rd	0	1	2	3	4	5	6	7	8	9
273										仕
274	伺	使	刺	司	史	嗣	四	士	始	姉
275	姿	子	屍	市	師	志	思	指	支	孜
276	斯	施	旨	枝	止	死	氏	獅	祉	私
277	糸	紙	紫	肢	脂	至	視	詞	詩	試
278	誌	諮	資	賜	雌	飼	歯	事	似	侍
279	児	字	寺	慈	持	時	次	滋	治	爾
280	璽	痔	磁	示	而	耳	自	蒔	辞	汐
281	鹿	式	識	鴫	竺	軸	宍	雫	七	叱
282	執	失	嫉	室	悉	湿	漆	疾	質	実
283	蔀	篠	偲	柴	芝	屡	蕊	縞	舎	写
284	射	捨	赦	斜	煮	社	紗	者	謝	車
285	遮	蛇	邪	借	勺	尺	杓	灼	爵	酌
286	釈	錫	若	寂	弱	惹	主	取	守	手
287	朱	殊	狩	珠	種	腫	趣	酒	首	儒
288	受	呪	寿	授	樹	綬	需	囚	収	周
289	宗	就	州	修	愁	拾	洲	秀	秋	終
290	繍	習	臭	舟	蒐	衆	襲	讐	蹴	輯
291	週	酋	酬	集	醜	什	住	充	十	従
292	戎	柔	汁	渋	獣	縦	重	銃	叔	夙
293	宿	淑	祝	縮	粛	塾	熟	出	術	述
294	俊	峻	春	瞬	竣	舜	駿	准	循	旬
295	楯	殉	淳	準	潤	盾	純	巡	遵	醇
296	順	処	初	所	暑	曙	渚	庶	緒	署
297	書	薯	藷	諸	助	叙	女	序	徐	恕
298	鋤	除	傷	償	勝	匠	升	召	哨	商
299	唱	嘗	奨	妾	娼	宵	将	小	少	尚
300	庄	床	廠	彰	承	抄	招	掌	捷	昇
301	昌	昭	晶	松	梢	樟	樵	沼	消	渉
302	湘	焼	焦	照	症	省	硝	礁	祥	称
303	章	笑	粧	紹	肖	菖	蒋	蕉	衝	裳
304	訟	証	詔	詳	象	賞	醤	鉦	鍾	鐘
305	障	鞘	上	丈	丞	乗	冗	剰	城	場
306	壌	嬢	常	情	擾	条	杖	浄	状	畳
307	穣	蒸	譲	醸	錠	嘱	埴	飾	拭	植
308	殖	燭	織	職	色	触	食	蝕	辱	尻
309	伸	信	侵	唇	娠	寝	審	心	慎	振
310	新	晋	森	榛	浸	深	申	疹	真	神
311	秦	紳	臣	芯	薪	親	診	身	辛	進
312	針	震	人	仁	刃	塵	壬	尋	甚	尽
313	腎	訊	迅	陣	靭					

Middle block

す

1st–3rd	0	1	2	3	4	5	6	7	8	9
315									笥	諏
316	須	酢	図	厨	逗	吹	垂	帥	推	水
317	炊	睡	粋	翠	衰	遂	酔	錐	錘	随
318	瑞	髄	崇	嵩	数	枢	趨	雛	据	杉
319	椙	菅	頗	雀	裾	澄	摺	寸		

せ

1st–3rd	0	1	2	3	4	5	6	7	8	9
320					世	瀬	畝	是	凄	
321	制	勢	姓	征	性	成	政	整	星	晴
322	棲	栖	正	清	牲	生	盛	精	聖	声
323	製	西	誠	誓	請	逝	醒	青	静	斉
324	税	脆	隻	席	惜	戚	斥	昔	析	石
325	積	籍	績	脊	責	赤	跡	蹟	碩	切
326	拙	接	摂	折	設	窃	節	説	雪	絶
327	舌	蝉	仙	先	千	占	宣	専	尖	川
328	戦	扇	撰	栓	栴	泉	浅	洗	染	潜
329	煎	煽	旋	穿	箭	線				

そ

1st–3rd	0	1	2	3	4	5	6	7	8	9
330					繊	羨	腺	舛	船	
331	薦	詮	賎	践	選	遷	銭	銑	閃	鮮
332	前	善	漸	然	全	禅	繕	膳	糎	
333	噌	塑	岨	措	曾	曽	楚	狙	疏	疎
334	礎	祚	租	粗	素	組	蘇	訴	阻	遡
335	鼠	僧	創	双	叢	倉	喪	壮	奏	爽
336	宋	層	匝	惣	想	捜	掃	挿	掻	操
337	早	曹	巣	槍	槽	漕	燥	争	痩	相
338	窓	糟	総	綜	聡	草	荘	葬	蒼	藻
339	装	走	送	遭	鎗	霜	騒	像	増	憎
340	臓	蔵	贈	造	促	側	則	即	息	捉
341	束	測	足	速	俗	属	賊	族	続	卒
342	袖	其	揃	存	孫	尊	損	村	遜	

た

1st–3rd	0	1	2	3	4	5	6	7	8	9
343	他	多	太	汰	詑	唾	堕	妥	惰	打
344	柁	舵	楕	陀	駄	騨	体	堆	対	耐
345	岱	帯	待	怠	態	戴	替	泰	滞	胎
346	腿	苔	袋	貸	退	逮	隊	黛	鯛	代
347	台	大	第	醍	題	鷹	滝	瀧	卓	啄
348	宅	托	択	拓	沢	濯	琢	託	鐸	濁
349	諾	茸	凧	蛸	只	叩	但	達	辰	奪
350	脱	巽	竪	辿	棚	谷	狸	鱈	樽	誰
351	丹	単	嘆	坦	担	探	旦	歎	淡	湛
352	炭	短	端	箪	綻	耽	胆	蛋	誕	鍛
353	団	壇	弾	断	暖	檀	段	男	談	

ち

1st–3rd	0	1	2	3	4	5	6	7	8	9
354	値	知	地	弛	恥	智	池	痴	稚	置
355	致	蜘	遅	馳	築	畜	竹	筑	蓄	
356	逐	秩	窒	茶	嫡	着	中	仲	宙	忠
357	抽	昼	柱	注	虫	衷	註	酎	鋳	駐
358	樗	瀦	猪	苧	著	貯	丁	兆	凋	喋
359	寵	帖	帳	庁	弔	張	彗	徴	懲	挑
360	暢	朝	潮	牒	町	眺	聴	脹	腸	蝶
361	調	諜	超	跳	銚	長	頂	鳥	勅	捗
362	直	朕	沈	珍	賃	鎮	陳			

つ

1st–3rd	0	1	2	3	4	5	6	7	8	9
363	津	墜	椎	槌	追	鎚	痛	通	塚	栂
364	掴	槻	佃	漬	柘	辻	蔦	綴	鍔	椿
365	潰	坪	壷	嬬	紬	爪	吊	釣	鶴	

て

1st–3rd	0	1	2	3	4	5	6	7	8	9
366	亭	低	停	偵	剃	貞	呈	堤	定	帝
367	底	庭	廷	弟	悌	抵	挺	提	梯	汀
368	碇	禎	程	締	艇	訂	諦	蹄	逓	
369	邸	鄭	釘	鼎	泥	摘	擢	敵	滴	的
370	笛	適	鏑	溺	哲	徹	撤	轍	迭	鉄
371	典	填	天	展	店	添	纏	甜	貼	転
372	顛	点	伝	殿	澱	田	電			

と

1st–3rd	0	1	2	3	4	5	6	7	8	9
373	兎	吐	堵	塗	妬	屠	徒	斗	杜	渡
374	登	菟	賭	途	都	鍍	砥	砺	努	度
375	土	奴	怒	倒	党	冬	凍	刀	唐	塔
376	塘	套	宕	島	嶋	悼	投	搭	東	桃

Right block

1st–3rd	0	1	2	3	4	5	6	7	8	9
377	梼	棟	盗	淘	湯	涛	灯	燈	当	痘
378	祷	等	答	筒	糖	統	到	董	蕩	藤
379	討	謄	豆	踏	逃	透	鐙	陶	頭	騰
380	闘	働	動	同	堂	導	憧	撞	洞	瞳
381	童	胴	萄	道	銅	峠	鴇	匿	得	徳
382	涜	特	督	禿	篤	毒	独	読	栃	橡
383	凸	突	椴	届	鳶	苫	寅	酉	瀞	噸
384	屯	惇	敦	沌	豚	遁	頓	呑	曇	鈍
385	奈	那	内	乍	凪	薙				

な

1st–3rd	0	1	2	3	4	5	6	7	8	9
386	謎	灘	捺	鍋	楢	馴	縄	畷	南	楠
387	軟	難	汝							

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1st–3rd	0	1	2	3	4	5	6	7	8	9
388			二	尼	弐	迩	匂	賑	肉	虹
389	廿	日	乳	入	如	尿	韮	任	妊	忍
390	認									

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1st–3rd	0	1	2	3	4	5	6	7	8	9
390		濡	禰	祢	寧	葱	猫	熱	年	念
391	捻	撚	燃	粘	乃	廼	之	埜	嚢	悩
392	濃	納	能	脳	膿	農	覗	蚤		

は

1st–3rd	0	1	2	3	4	5	6	7	8	9
393	巴	把	播	覇	杷	波	派	琶	破	婆
394	罵	芭	馬	俳	廃	拝	排	敗	杯	盃
395	牌	背	肺	輩	配	倍	培	媒	梅	楳
396	煤	狽	買	売	賠	陪	這	蝿	秤	矧
397	萩	伯	剥	博	拍	柏	泊	白	箔	粕
398	舶	薄	迫	曝	漠	爆	縛	莫	駁	麦
399	函	箱	硲	箸	肇	筈	櫨	幡	肌	畑
400	畠	八	鉢	溌	発	醗	髪	伐	罰	抜
401	筏	閥	鳩	噺	塙	蛤	隼	伴	判	半
402	反	叛	帆	搬	斑	板	氾	汎	版	犯
403	班	畔	繁	般	藩	販	範	釆	煩	頒
404	飯	挽	晩	番	盤	磐	蕃	蛮		

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1st–3rd	0	1	2	3	4	5	6	7	8	9
405	匪	卑	否	妃	庇	彼	悲	扉	批	披
406	斐	比	泌	疲	皮	碑	秘	緋	罷	肥
407	被	誹	費	避	非	飛	樋	簸	備	尾
408	微	枇	毘	琵	眉	美				
409	鼻	柊	稗	匹	疋	髭	彦	膝	菱	肘
410	弼	必	畢	筆	逼	桧	姫	媛	紐	百
411	謬	俵	彪	標	氷	漂	瓢	票	表	評
412	豹	廟	描	病	秒	苗	錨	鋲	蒜	蛭
413	鰭	品	彬	斌	浜	瀕	貧	賓	頻	敏
414	瓶									

ふ

1st–3rd	0	1	2	3	4	5	6	7	8	9
415	不	付	埠	夫	婦	富	冨	布	府	怖
416	扶	敷	斧	普	浮	父	符	腐	膚	芙
417	譜	負	賦	赴	阜	附	侮	撫	武	舞
418	葡	蕪	部	封	楓	風	葺	蕗	伏	副
419	復	幅	服	福	腹	複	覆	淵	弗	払
420	沸	仏	物	鮒	分	吻	噴	墳	憤	扮
421	焚	奮	粉	糞	紛	雰	文	聞		

へ

1st–3rd	0	1	2	3	4	5	6	7	8	9
422	丙	併	兵	塀	幣	平	弊	柄	並	蔽
423	閉	陛	米	頁	僻	壁	癖	碧	別	瞥
424	蔑	箆	偏	変	片	篇	編	辺	返	遍
425	便	勉	娩	弁	鞭					

ほ

1st–3rd	0	1	2	3	4	5	6	7	8	9
426	保	舗	鋪	圃	捕	歩	甫	補	輔	穂
427	募	墓	慕	戊	暮	母	簿	菩	倣	俸
428	包	呆	報	奉	宝	峰	峯	崩	庖	抱
429	捧	放	方	朋	法	泡	烹	砲	縫	胞
430	芳	萌	蓬	蜂	褒	訪	豊	邦	鋒	飽
431	鳳	鵬	乏	亡	傍	剖	坊	妨	帽	忘
432	忙	房	暴	望	某	棒	冒	紡	肪	膨
433	謀	貌	貿	鉾	防	吠	頬	北	僕	卜
434	墨	撲	朴	牧	睦	穆	釦	勃	没	殆
435	堀	幌	奔	本	翻	凡	盆			

Kuten code table

Panel 1

First to third digits	0	1	2	3	4	5	6	7	8	9
ま										
436					摩	磨	魔	麻	埋	妹
437	昧	枚	毎	哩	槙	幕	膜	枕	鮪	柾
438	鱒	桝	亦	俣	又	抹	末	沫	迄	侭
439	繭	麿	万	慢	満					
440	漫	蔓								
み										
440				味	未	魅	巳	箕	岬	密
441	蜜	湊	蓑	稔	脈	妙	粍	民	眠	
む										
441										務
442	夢	無	牟	矛	霧	鵡	椋	婿	娘	
め										
442										冥
443	名	命	明	盟	迷	銘	鳴	姪	牝	滅
444	免	棉	綿	緬	面	麺				
も										
444							摸	模	茂	妄
445	孟	毛	猛	盲	網	耗	蒙	儲	木	黙
446	目	杢	勿	餅	尤	戻	籾	貰	問	悶
447	紋	門	匁							
や										
447				也	冶	夜	爺	耶	野	弥
448	矢	厄	役	約	薬	訳	躍	靖	柳	薮
449	鑓									
ゆ										
449							愈	愉	油	癒
450	諭	輸	唯	佑	優	勇	友	宥	幽	
451	悠	憂	揖	有	柚	湧	涌	猶	猷	由
452	祐	裕	誘	遊	邑	郵	雄	融	夕	
よ										
452										予
453	余	与	誉	輿	預	傭	幼	妖	容	庸
454	揚	揺	擁	曜	楊	様	洋	溶	熔	用
455	窯	羊	耀	葉	蓉	要	謡	踊	遥	陽
456	養	慾	抑	欲	沃	浴	翌	翼	淀	
ら										
456										羅
457	螺	裸	来	莱	頼	雷	洛	絡	落	酪
458	乱	卵	嵐	欄	濫	藍	蘭	覧		
り										
458									利	吏
459	履	李	梨	理	璃	痢	裏	裡	里	離
460	陸	律	率	立	葎	掠	略	劉	流	溜
461	琉	留	硫	粒	隆	竜	龍	侶	慮	旅
462	虜	了	亮	僚	両	凌	寮	料	梁	涼
463	猟	療	瞭	稜	糧	良	諒	遼	量	陵
464	領	力	緑	倫	厘	林	淋	燐	琳	臨
465	輪	隣	鱗	麟						
る～れ										
466	瑠	塁	涙	累	類	令	伶	例	冷	励
467	嶺	怜	玲	礼	苓	鈴	隷	零	霊	麗
468	齢	暦	歴	列	劣	烈	裂	廉	恋	憐
469	漣	煉	簾	練	聯					
470	蓮	連	錬							
ろ										
470				呂	魯	櫓	炉	賂	路	
471	露	労	婁	廊	弄	朗	楼	榔	浪	漏
472	牢	狼	篭	老	聾	蝋	郎	六	麓	禄
473	肋	録	論							
わ										
473							倭	和	話	歪
474	賄	脇	惑	枠	鷲	亙	亘	鰐	詫	藁
475	蕨	椀	湾	碗	腕					
476										
477										
478										
479										
480		弌	丐	丕	个	丱	丶	丿	乂	乖
481	乘	亂	亅	豫	亊	舒	弍	于	亞	亟
482	亠	亢	亰	亳	亶	从	仍	仄	仆	仂
483	仗	仞	仭	仟	价	伉	佚	估	佛	佝
484	佗	佇	佶	侈	侏	侘	佻	佩	佰	侑
485	佯	來	侖	儘	俔	俟	俎	俘	俛	俑
486	俚	俐	俤	俥	倚	倨	倔	倪	倥	倅
487	伜	俶	倡	倩	倬	俾	俯	們	倆	偃

Panel 2

First to third digits	0	1	2	3	4	5	6	7	8	9
488	假	會	偕	偐	偈	做	偖	偬	偸	傀
489	傚	傅	傴	傲	僉	僊	傳	僂	僖	僞
490	僥	僭	僣	僮	價	僵	儉	儁	儂	儖
491	儕	儔	儚	儡	儺	儷	儼	儻	儿	兀
492	兒	兌	兔	兢	竸	兩	兪	兮	冀	冂
493	囘	册	冉	冏	冑	冓	冕	冖	冤	冦
494	冢	冩	冪	冫	决	冱	冲	冰	况	冽
495	凅	凉	凛	几	處	凩	凭	凰	凵	凾
496	刄	刋	刔	刎	刧	刪	刮	刳	刹	剏
497	剄	剋	剌	剞	剔	剪	剴	剩	剳	剿
498	剽	劍	劔	劒	剱	劈	劑	辨	辧	劬
499	劭	劼	劵	勁	勍	勗	勞	勣	勦	飭
500	勠	勳	勵	勸	勹	匆	匈	甸	匍	匐
501	匏	匕	匚	匣	匯	匱	匳	匸	區	卆
502	卅	丗	卉	卍	凖	卞	卩	卮	夘	卻
503	卷	厂	厖	厠	厦	厥	厮	厰	厶	參
504	簒	雙	叟	曼	燮	叮	叨	叭	叺	吁
505	吽	呀	听	吭	吼	吮	吶	吩	吝	呎
506	咏	呵	咎	呟	呱	呷	呰	咒	呻	咀
507	呶	咄	咐	咆	哇	咢	咸	咥	咬	哄
508	哈	咨	咫	哂	咤	咾	咼	哘	哥	哦
509	唏	唔	哽	哮	哭	哺	哢	唹	啀	啝
510	啣	啌	售	啜	啅	啖	啗	唸	唳	啝
511	喙	喀	咯	喊	喟	啻	啾	喘	喞	單
512	啼	喃	喩	喇	喨	嗚	嗅	嗟	嗄	嗜
513	嗤	嗔	嘔	嗷	嘖	嗾	嗽	嘛	嘉	嘍
514	嘎	嘴	嘶	嘲	嘸	噫	噤	嘯	噬	噪
515	嚆	嚀	嚊	嚠	嚔	嚏	嚥	嚮	嚶	嚴
516	囂	嚼	囁	囃	囀	囈	囎	囑	囓	囗
517	囮	囹	圀	囿	圄	圉	圈	國	圍	圓
518	團	圖	嗇	圜	圦	圷	圸	坎	圻	址
519	坏	坩	埀	垈	坡	坿	垉	垓	垠	垳
520	垤	垪	垰	埃	埆	埔	埒	埓	堊	埖
521	埣	堋	堙	堝	塲	堡	塢	塋	塰	毀
522	塒	堽	塹	墅	墹	墹	墟	墫	墺	壞
523	墻	墸	墮	壅	壓	壑	壗	壙	壘	壥
524	壜	壤	壟	壯	壺	壹	壻	壼	壽	夂
525	夊	夐	夛	梦	夥	夬	夭	夲	夸	夾
526	竒	奕	奐	奎	奚	奘	奢	奠	奧	奬
527	奩	奸	妁	妝	佞	侫	妣	妲	姆	姨
528	姜	妍	姙	姚	娥	娟	娑	娜	娉	娚
529	婀	婬	婉	娵	娶	婢	婪	媚	媼	媾
530	嫋	嫂	媽	嫣	嫗	嫦	嫩	嫖	嫺	嫻
531	嬌	嬋	嬖	嬲	嫐	嬪	嬶	嬾	孃	孅
532	孀	孑	孕	孚	孛	孥	孩	孰	孳	孵
533	學	斈	孺	宀	它	宦	宸	寃	寇	寉
534	寔	寐	寤	實	寢	寞	寥	寫	寰	寶
535	寳	尅	將	專	對	尓	尠	尢	尨	尸
536	尹	屁	屆	屎	屓	屐	屏	孱	屬	屮
537	乢	屶	屹	岌	岑	岔	妛	岫	岻	岶
538	岼	岷	峅	岾	峇	峙	峩	峽	峺	峭
539	嶌	峪	崋	崕	崗	嵜	崟	崛	崑	崔
540	崢	崚	崙	崘	嵌	嵒	嵎	嵋	嵬	嵳
541	嵶	嶇	嶄	嶂	嶢	嶝	嶬	嶮	嶽	嶐
542	嶷	嶼	巉	巍	巓	巒	巖	巛	巫	已
543	巵	帋	帚	帙	帑	帛	帶	帷	幄	幃
544	幀	幎	幗	幔	幟	幢	幤	幇	幵	并
545	幺	麼	广	庠	廁	廂	廈	廐	廏	廖
546	廣	廝	廚	廛	廢	廡	廨	廩	廬	廱
547	廳	廰	廴	廸	廾	弇	弉	彁	弌	弍
548	弖	弩	弭	弸	彁	彈	彌	彎	弯	彑
549	彖	彗	彙	彡	彭	彳	彷	徃	徂	彿
550	徊	很	徑	徇	從	徙	徘	徠	徨	徭
551	徼	忖	忻	忤	忸	忱	忝	悳	忿	怡
552	恠	怙	怐	怩	怎	怱	怛	怕	怫	怦
553	怏	怺	恚	恁	恪	恊	恃	恤	恂	恬
554	恫	恙	悁	悍	惧	悃	悚	悄	悛	悖
555	悗	悒	悧	悋	惡	悸	惠	惓	悴	忰
556	悽	惆	悵	惘	慍	愕	愆	惶	惷	愀
557	惴	惺	愃	愡	惻	惱	愍	愎	慇	愾
558	愨	愧	慊	愿	愼	愬	愴	愽	慂	慄
559	慳	慷	慘	慙	慚	慫	慴	慯	慥	慱
560	慟	慝	慓	慵	憙	憖	憇	憬	憔	憚
561	憊	憑	憫	憮	懌	懊	應	懷	懈	懃
562	懆	憺	懋	罹	懍	懦	懣	懶	懺	懴
563	懿	懽	懼	懾	戀	戈	戉	戍	戌	戔

Panel 3

First to third digits	0	1	2	3	4	5	6	7	8	9
564	戛	戞	戡	截	戮	戰	戲	戳	扁	扎
565	扞	扣	扛	扠	扨	扼	抂	抉	找	抒
566	抓	抖	拔	抃	抔	拗	拑	抻	拏	拿
567	拆	擔	拈	拜	拌	拊	拂	拇	抛	拉
568	挌	拮	拱	挧	挂	挈	拯	拵	捐	挾
569	捍	搜	捏	掖	掎	掀	掫	捶	掣	掏
570	掉	掟	掵	捫	捩	掾	揩	揀	揆	揣
571	揉	插	揶	揄	搖	搴	搆	搓	搦	搶
572	攝	搗	搨	搏	摧	摯	摶	摎	攪	撕
573	撓	撥	撩	撈	撼	據	擒	擅	擇	撻
574	擘	擂	擱	擧	舉	擠	擡	抬	擣	擯
575	攬	擶	擴	擲	擺	攀	擽	攘	攜	攅
576	攤	攣	攫	攴	攵	攷	收	攸	畋	效
577	敖	敕	敍	敘	敞	敝	敲	數	斂	斃
578	變	斛	斟	斫	斷	旃	旆	旁	旄	旌
579	旒	旛	旙	无	旡	旱	杲	昊	昃	旻
580	杳	昵	昶	昴	昜	晏	晄	晉	晁	晞
581	晝	晤	晧	晨	晟	晢	晰	暃	暈	暎
582	暉	暄	暘	暝	曁	暹	曉	暾	暼	曄
583	暸	曖	曚	曠	昿	曦	曩	曰	曵	曷
584	朏	朖	朞	朦	朧	霸	朮	朿	朶	杁
585	朸	朷	杆	杞	杠	杙	杣	杤	枉	杰
586	枩	杼	杪	枌	枋	枦	枡	枅	枷	柯
587	枴	柬	枳	柩	枸	柤	柞	柝	柢	柮
588	枹	柎	柆	柧	檜	栞	框	栩	桀	桍
589	栲	桎	梳	栫	桙	档	桷	桿	梟	梏
590	梭	梔	條	梛	梃	檮	梹	桴	梵	梠
591	梺	椏	梍	桾	椁	棊	椈	棘	椢	椦
592	棡	椌	棍	棔	棧	棕	椶	椒	椄	棗
593	棣	椥	棹	棠	棯	椨	椪	椚	椣	椡
594	棆	楹	楷	楜	楸	楫	楔	楾	楮	椿
595	楙	椹	楴	椽	楙	椰	楡	楞	楝	榁
596	楪	榲	榮	槐	榿	槁	槓	榾	槎	寨
597	槊	槝	榻	槃	榧	樮	榑	榠	榜	榕
598	榴	槞	槲	槟	槭	樞	槨	樰	槫	樊
599	樒	櫁	樣	樌	槿	樝	樶	樍	樷	樶
600	橸	橇	橢	橙	橦	橈	樸	樢	檐	檍
601	檠	檄	檢	檣	檗	蘗	檻	櫃	櫂	檸
602	檳	檬	櫞	櫑	櫟	檪	櫚	櫪	櫻	欅
603	蘖	櫺	欒	欖	鬱	欟	欸	欷	盜	欹
604	飮	歇	歃	歉	歐	歙	歔	歛	歟	歡
605	歸	歹	歿	殀	殄	殃	殍	殘	殕	殞
606	殤	殪	殫	殯	殯	殱	殳	殷	殼	毆
607	毋	毓	毟	毬	毫	毳	毯	麾	氈	氓
608	气	氛	氤	氣	汞	汕	汢	汪	沂	沍
609	沚	沁	沛	汾	汨	汳	沒	沐	泄	泱
610	泓	沽	泗	泅	泝	沮	沱	沾	沺	泛
611	泯	泙	泪	洟	衍	洶	洫	洽	洸	洙
612	洵	洳	洒	洌	浣	涓	浤	浚	浹	浙
613	涎	涕	濤	涅	淹	渕	渊	涵	淇	淦
614	涸	淆	淬	淞	淌	淨	淒	淅	淺	淙
615	淤	淕	淪	淮	渭	湮	渮	渙	湲	湟
616	渾	渣	湫	渫	湶	湍	渟	湃	渺	湎
617	渤	滿	渝	游	溂	溪	溘	滉	溷	滓
618	溽	溯	滄	溲	滔	滕	溏	溥	滂	溟
619	潁	漑	灌	滬	滸	滾	漿	滲	漱	滯
620	漲	滌	漾	漓	滷	澆	潺	潸	澁	澀
621	潯	潛	濳	潭	澂	潼	潘	澎	澑	濂
622	潦	澳	澣	澡	澤	澹	濆	澪	濟	濕
623	濬	濔	濘	濱	濮	濛	瀉	瀋	濺	瀑
624	瀁	瀏	濾	瀛	瀚	潴	瀝	瀘	瀟	瀰
625	瀾	瀲	灑	灣	炙	炒	炯	烱	炬	炸
626	炳	炮	烟	烋	烝	烙	焉	烽	焜	焙
627	煥	煕	熈	煦	煢	煌	煖	煬	熏	燻
628	熄	熕	熨	熬	燗	熹	熾	燒	燉	燔
629	燎	燠	燬	燧	燵	燼	燹	燿	爍	爐
630	爛	爨	爭	爬	爰	爲	爻	爼	爿	牀
631	牆	牋	牘	牴	牾	犂	犁	犇	犒	犖
632	犢	犧	犹	犲	狃	狆	狄	狎	狒	狢
633	狠	狡	狹	狷	倏	猗	猊	猜	猖	猝
634	猴	猯	猩	猥	猾	獎	獏	默	獗	獪
635	獨	獰	獸	獵	獻	獺	珈	玳	珎	玻
636	珀	珥	珮	珞	璢	琅	瑯	琥	珸	琲
637	琺	瑕	琿	瑟	瑙	瑁	瑜	瑩	瑰	瑣
638	瑪	瑶	瑾	璋	璞	璧	瓊	瓏	瓔	珱
639	瓠	瓣	瓧	瓩	瓮	瓲	瓰	瓱	瓸	瓷

3

First to third digits of Kuten codes	0	1	2	3	4	5	6	7	8	9
				Fourth digit of Kuten codes						
640	燹	燿	爍	爗	爛	爨	爭	爬	爭	爰
641	爲	爻	爼	爿	牀	牆	牋	牘	牴	牾
642	犂	犁	犇	犒	犖	犧	犠	犹	犲	狃
643	狆	狄	狎	狒	狢	狠	狡	狹	狷	倏
644	猗	猊	猜	猖	猝	猴	猯	猩	猥	猾
645	獎	獏	默	獗	獪	獨	獰	獣	獻	獺
646	獵	珈	玳	珎	玻	珀	珥	珮	珞	璢
647	琅	瑯	琥	珸	琲	琺	瑕	琿	瑟	瑙
648	瑁	瑜	瑩	瑰	瑣	瑪	瑶	瑾	璋	璞
649	璧	瓊	瓏	瓔	珱					
650		瓠	瓣	瓧	瓩	瓮	瓲	瓰	瓱	瓸
651	甅	甌	甎	甍	甕	甓	甞	甦	甬	甼
652	畄	畍	畊	畉	畛	畆	畚	畩	畤	畧
653	畫	畭	畸	當	疆	疇	畴	疊	疉	疂
654	疔	疚	疝	疥	疣	痂	疳	痃	疵	疽
655	疸	疼	疱	痍	痊	痒	痙	痣	痞	痾
656	痿	痼	瘁	痰	痺	痲	痳	瘋	瘍	瘉
657	瘟	瘧	瘠	瘡	瘢	瘤	瘴	瘰	瘻	癇
658	癈	癆	癜	癘	癡	癢	癨	癩	癪	癧
659	癬	癰	癲	癶						
660		癸	發	皀	皃	皈	皋	皎	皖	皓
661	皙	皚	皰	皴	皸	皹	皺	盂	盍	盖
662	盒	盞	盡	盥	盧	盪	蘯	盻	眈	眇
663	眄	眩	眤	眞	眥	眦	眛	眷	眸	睇
664	睚	睨	睫	睛	睥	睿	睾	睹	瞎	瞋
665	瞑	瞠	瞞	瞰	瞶	瞹	瞿	瞼	瞽	瞻
666	矇	矍	矗	矚	矜	矣	矮	矼	砌	砒
667	礦	砠	礪	硅	碎	硴	碆	硼	碚	碌
668	碣	碵	碪	碯	磑	磆	磋	磔	碾	碼
669	磅	磊	磬							
670		磧	磚	磽	磴	礇	礒	礑	礙	礬
671	礫	祀	祠	祗	祟	祚	祕	祓	祺	祿
672	禊	禝	禧	齋	禪	禮	禳	禹	禺	秉
673	秕	秧	秬	秡	秣	稈	稍	稘	稙	稠
674	稟	禀	稱	稻	稾	稷	穃	穗	穉	穡
675	穢	穩	龝	穰	穹	穽	窈	窗	窕	窘
676	窖	窩	竈	窰	窶	竅	竄	窿	邃	竇
677	竊	竍	竏	竕	竓	站	竚	竝	竡	竢
678	竦	竭	竰	笂	笏	笊	笆	笳	笘	笙
679	笞	笵	笨	笑						
680		笄	笋	筍	笏	筐	笄	笹	筌	筅
681	筵	筥	筴	筧	筬	筮	箝	箘	箟	箍
682	箜	箚	箋	箒	箏	筝	箙	篋	篁	篌
683	篏	箴	篆	篝	篩	簑	簔	篦	篥	籠
684	簀	簇	簓	篳	篷	簗	簍	篶	簣	簧
685	簪	簟	簷	簫	簽	籌	籃	籔	籏	籀
686	籐	籘	籟	籍	籤	籖	籥	籬	籵	粃
687	粐	粤	粭	粢	粫	粡	粨	粳	粲	粱
688	粮	粹	粽	糀	糅	糂	糘	糒	糜	糢
689	鬻	糯	糲	糴	糶					
690		糺	紆	紂	紜	紕	紊	絅	絋	紮
691	紲	紿	紵	絆	絳	絖	絎	絲	絨	絮
692	絏	絣	經	綉	絛	綏	絽	綛	綺	綮
693	綣	綵	緇	綽	綫	總	綢	綯	緜	綸
694	綟	綰	緘	緝	緤	緞	緻	緲	緡	縅
695	縊	縣	縡	縒	縱	縟	縉	縋	縢	繆
696	繦	縻	縵	縹	繃	縷	縲	縺	繧	繝
697	繖	繞	繙	繚	繹	繪	繩	繼	繻	纃
698	緕	繽	辮	繿	纈	纉	續	纒	纐	纓
699	纔	纖	纖	纛	纜					
700		缸	缺	罅	罌	罍	罎	罐	网	罕
701	罔	罘	罟	罠	罨	罩	罧	罸	羂	羆
702	羃	羈	羇	羌	羔	羞	羝	羚	羣	羯
703	羲	羹	羮	羶	羸	譱	翅	翆	翊	翕
704	翔	翡	翦	翩	翳	翹	飜	耆	耄	耋
705	耒	耘	耙	耜	耡	耨	耿	耻	聊	聆
706	聒	聘	聚	聟	聢	聨	聳	聲	聰	聶
707	聹	聽	聿	肄	肆	肅	肛	肓	肚	肭
708	冐	肬	胛	胥	胙	胝	胄	胚	胖	脉
709	胯	胱	脛	脩	脣	脯	腋			
710		隋	腆	脾	腓	腑	胼	腱	腮	腥
711	腦	腴	膃	膈	膊	膀	膂	膠	膕	膤
712	膣	腟	膓	膩	膰	膵	膾	膸	膽	臀
713	臂	膺	臉	臍	臑	臙	臘	臈	臚	臟
714	臠	臧	臺	臻	臾	舁	舂	舅	與	舊
715	舍		舐	舖	舩	舫	舸	舳	艀	艙

First to third digits of Kuten codes	0	1	2	3	4	5	6	7	8	9
				Fourth digit of Kuten codes						
716	艘	艝	艚	艟	艤	艢	艨	艪	艫	舮
717	艱	艷	艸	艾	芍	芒	芫	芟	芻	芬
718	苡	苣	苟	苒	苴	苳	苺	莓	范	苻
719	苹	苞	茆	苜	茲	苗	茶	茵	茴	茖
720		茲	茱	荀	茹	荐	荅	茯	茫	茗
721	茘	莅	莚	莪	莟	莢	莖	茣	莎	莇
722	莊	荼	莵	荳	荵	莠	莉	莨	菴	萓
723	菫	菎	菽	萃	菘	萋	菁	菷	萇	菠
724	菲	萍	萢	萠	莽	萸	蔆	菻	葭	萪
725	萼	蕚	蒄	葷	葫	蒭	葮	蒂	葩	葆
726	萬	葯	葹	萵	蓊	葢	蒹	蒿	蒟	蓙
727	蓍	蒡	蒼	蓑	蓚	蓐	蓁	蓆	蓖	蒡
728	蒡	蔡	蓿	蓴	蔗	蔘	蔬	蔟	蔕	蔔
729	蓼	蕀	蕣	蕘	蕈					
730		蕁	蘂	蕋	蕕	薀	薤	薈	薑	薊
731	薨	蕭	薔	薛	藪	薇	薜	蕷	蕾	薐
732	藉	薺	藏	薹	藐	藕	藝	藥	藜	藹
733	蘊	蘓	蘋	藾	藺	蘆	蘢	蘚	蘰	蘿
734	虍	乕	虔	號	虧	虱	蚓	蚣	蚩	蚪
735	蚋	蚌	蚶	蚯	蛄	蛆	蚰	蛉	蠣	蚫
736	蛔	蛞	蛩	蛬	蛟	蛛	蛯	蜒	蜆	蜈
737	蜀	蜃	蛻	蜑	蜉	蜍	蛹	蜊	蜴	蜿
738	蜷	蜻	蜥	蜩	蜚	蝠	蝟	蝸	蝌	蝎
739	蝴	蝗	蝨	蝮	蝙					
740		蝓	蝣	蝪	蠅	螢	螟	螂	螯	蟋
741	螽	蟀	蟐	雖	螫	蟄	螳	蟇	蟆	螻
742	蟯	蟲	蟠	蠏	蠍	蟾	蟶	蟷	蠎	蟒
743	蠑	蠖	蠕	蠢	蠡	蠱	蠶	蠹	蠧	蠻
744	衄	衂	衒	衙	衞	衢	衫	袁	衾	袞
745	衵	衽	袵	衲	袂	袗	袒	袮	袙	袢
746	袍	袤	袰	袿	袱	裃	裄	裔	裘	裙
747	裝	裹	褂	裼	裴	裨	裲	褄	褌	褊
748	褓	襃	褞	褢	褧	褘	褥	褪	褫	襁
749	襄	褻	褶	褸	襌	褝	襠	襞		
750		襦	襤	襭	襪	襯	襴	襷	襾	覃
751	覈	覊	覓	覘	覡	覩	覦	覬	覯	覲
752	覺	覽	覿	觀	觚	觜	觝	觧	觴	觸
753	訃	訖	訐	訌	訛	訝	訥	訶	詁	詛
754	詒	詆	詈	詼	詭	詬	詢	誅	誂	誄
755	誨	誡	誑	誥	誦	誚	誣	諄	諍	諂
756	諚	諫	諳	諧	諤	諱	謔	諠	諢	諷
757	諞	諛	謌	謇	謚	諡	謖	謐	謗	謠
758	謳	鞫	謦	謧	謌	謾	謨	譁	譌	譏
759	譎	證	譖	譛	譚					
760		譫	譟	譬	譯	譴	譽	讀	讌	讎
761	讒	讓	讖	讙	讚	谺	豁	谿	豈	豌
762	豎	豐	豕	豢	豬	豸	豺	貂	貉	貅
763	貊	貍	貎	貔	豼	貘	戝	貭	貪	貽
764	貲	貳	貮	貶	賈	賁	賤	賣	賚	賽
765	賺	賻	贄	贅	贊	贇	贏	贍	贐	齎
766	贓	賍	贔	贖	赧	赭	赱	赳	趁	趙
767	跂	趾	趺	跏	跚	跖	跌	跛	跋	跪
768	跫	跟	跣	跼	踈	踉	跿	踝	踞	踐
769	踟	蹂	踵	踰	踴	蹊				
770		蹇	蹉	蹌	蹐	蹈	蹙	蹤	蹠	踪
771	蹣	蹕	蹶	蹲	蹼	躁	躇	躅	躄	躋
772	躊	躓	躑	躔	躙	躪	躡	躬	躰	軆
773	躱	躾	軅	軈	軋	軛	軣	軼	軻	軫
774	軾	輊	輅	輕	輒	輙	輓	輜	輟	輛
775	輌	輦	輳	輻	輹	轅	轂	輾	轌	轉
776	轆	轎	轗	轜	轢	轣	轤	辜	辟	辣
777	辭	辯	辷	迚	迥	迢	迪	迯	邇	迴
778	逅	迹	迺	逑	逕	逡	逍	逞	逖	逋
779	逧	逶	逵	逵	逹	迸				
780		遏	遐	遑	遒	逎	遉	逾	遖	遘
781	遞	遨	遯	遶	隨	遲	邂	遽	邁	邀
782	邊	邉	邏	邨	邯	邱	邵	郢	郤	扈
783	郛	鄂	鄒	鄙	鄲	鄰	酊	酖	酘	酣
784	酥	酩	酳	酲	醋	醉	醂	醢	醫	醯
785	醪	醵	醴	醺	釀	釁	釉	釋	釐	釖
786	釟	釡	釛	釼	釵	釶	鈞	釿	鈔	鈬
787	鈕	鈑	鉞	鉗	鉅	鉉	鉤	鉈	銕	鈿
788	鉋	鉐	銜	銖	銓	銛	鉚	鋏	銹	銷
789	鋩	錏	鋺	鍄	錮					
790		錙	錢	錚	錣	錺	錵	錻	鍜	鍠
791	鍼	鍮	鍖	鎰	鎬	鎭	鎔	鎹	鏖	鏗

First to third digits of Kuten codes	0	1	2	3	4	5	6	7	8	9
				Fourth digit of Kuten codes						
792	鏨	鏥	鏘	鏃	鏝	鏐	鏈	鏤	鐚	鐔
793	鐵	鐡	鐺	鑁	鐴	鐥	鐡	鐫	鐉	鑈
794	鑛	鑛	鑠	鑢	鑞	鑪	鈩	鑰	鑵	鑷
795	鑽	鑚	鑼	鑾	钁	鑿	閂	閇	閊	閔
796	閖	閘	閙	閠	閨	閧	閭	閼	閻	閹
797	閾	闊	濶	闃	闍	闌	闕	闔	闖	關
798	闡	闥	闢	阡	阨	阮	阯	陂	陌	陏
799	陋	陷	陜	陞	陝	陟	陦	陲	陬	隍
800		隘	隕	隗	險	隧	隱	隲	隰	隴
801	隶	隸	隹	雎	雋	雉	雍	襍	雜	霍
802	雕	雹	霄	霆	霈	霓	霎	霑	霏	霖
803	霙	霝	霤	霪	霰	霹	霽	霾	靄	靆
804	靈	靂	靉	靜	靠	靤	靦	靨	勒	靫
805	靱	靹	鞅	靼	鞁	靺	鞆	鞋	鞏	鞐
806	鞜	鞨	鞦	鞣	鞳	鞴	韃	韆	韈	韋
807	韜	韭	齏	韲	竟	韶	韵	頏	頌	頸
808	頤	頡	頷	頽	顆	顏	顋	顫	顯	顰
809	顱	顴	顳	颪	颯					
810		颱	颶	飄	飃	飆	飩	飫	餃	餉
811	餒	餔	餘	餡	餝	餞	餤	餠	餬	餮
812	餽	餾	饂	饉	饅	饐	饋	饑	饒	饌
813	饕	馗	馘	馥	馭	馮	馼	駟	駛	駝
814	駘	駑	駭	駢	駹	駮	駱	駲	駻	駸
815	騁	騏	騅	駢	騎	騏	騢	騫	騷	驅
816	驂	驀	驃	騾	驕	驍	驛	驗	驟	驢
817	驥	驤	驩	驫	驪	骭	骰	骼	髀	髏
818	髑	髓	體	髞	髟	髢	髣	髦	髯	髫
819	髮	髴	髱	髷	髻					
820		鬆	鬘	鬚	鬟	鬢	鬣	鬥	鬧	鬨
821	鬩	鬪	鬮	鬯	鬲	魄	魃	魏	魍	魎
822	魑	魘	魴	鮓	鮃	鮑	鮖	鮗	鮟	鮠
823	鮨	鮴	鯀	鯊	鮹	鯆	鯏	鯑	鯒	鯣
824	鯢	鯤	鯡	鰺	鯲	鯱	鯰	鰕	鰔	鰉
825	鰓	鰌	鰆	鰈	鰒	鰊	鰄	鰮	鰛	鰥
826	鰤	鰡	鰰	鱇	鰲	鱆	鰾	鱚	鱠	鱧
827	鱶	鱸	鳧	鳬	鳰	鴉	鴈	鳫	鴃	鴆
828	鴪	鴦	鶯	鴟	鵄	鴕	鴒	鵁	鴿	鴾
829	鵆	鵈	鵝	鵞	鵤					
830		鵝	鵞	鵤	鵑	鵐	鵙	鵲	鶉	鶇
831	鶫	鵯	鵺	鶚	鶤	鶩	鶲	鷄	鷁	鶻
832	鶸	鶺	鷆	鷏	鷂	鷙	鷓	鷸	鷦	鷭
833	鷯	鷽	鸚	鸛	鸞	鹵	鹹	鹽	麁	麈
834	麋	麌	麒	麕	麑	麝	麥	麩	麸	麪
835	麭	靡	黌	黎	黏	黐	黔	黜	點	黝
836	黠	黥	黨	黯	黴	黶	黷	黹	黻	黼
837	黽	鼇	鼈	皷	鼕	鼡	鼬	鼾	齊	齒
838	齔	齣	齟	齠	齡	齦	齧	齬	齪	齷
839	齲	齶	龕	龜	龠					
840		堯	槇	遙	瑤	凜	熙			