L-04B

docomo STYLE series

Thank you for selecting the "docomo STYLE series L-04B".

Read this manual before use to correctly operate your L-04B.

Operation Description of L-04B

Operations of L-04B are described in this manual as well as "Guide" (installed in this FOMA terminal, Japanese only) and "Instruction Manual (Detailed version, Japanese only)" (in PDF format).

■"Instruction Manual" (This Manual): Describes screen displays and operating procedures of basic functions.
■"Guide" (installed in this FOMA terminal, Japanese only): Describes the overview or operating procedures of frequently used functions.
  From L-04B: Stand-by display ▶ ⌷7⌷ (for over 1 second)
■"Instruction Manual (Detailed version, Japanese only)" (in PDF format): Describes detailed information and operating procedures of all functions.
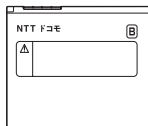 From a PC, download it from the following DOCOMO website.
  http://www.nttdocomo.co.jp/support/trouble/manual/download/index.html

  * The URL and contents of the manual are subject to change without prior notice.

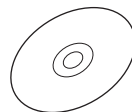## Accessories

L-04B FOMA terminal   Battery Pack L06   Instruction Manual (Japanese version)   CD-ROM for L-04B
(With Warranty and Back Cover L18)

Options compatible with this FOMA terminal→P79

- Note that "L-04B" is referred to as "FOMA terminal" in this manual.
- It is prohibited to copy all or part of this manual without permission.
- The screens or illustrations used in this manual are examples. The actual screens and illustrations may differ.
- This manual describes operations mainly using the default settings ("WATERLOO" in Kisekae Tool). If settings are changed, screen displays or operations may differ from those described in this manual.

Contents

FOMA Terminal

- The FOMA terminal uses radio waves, therefore, it may not function in locations where radio waves cannot reach, such as in tunnels, underground, or in buildings; outside the building where radio waves are weak or out of FOMA service area. Even when you are in an upper floor of a tall building and nothing blocks your view outside, your FOMA terminal may not be able to receive or transmit signals. Also, even when radio waves are strong with three antenna bars displayed, and you are not moving, communication may still be interrupted.
- Be considerate of other people around you in public or where it is especially crowded or quiet.
- The FOMA terminal uses radio waves to communicate, therefore, there is a possibility that calls may be intercepted by third parties. The W-CDMA and GSM/GPRS systems automatically encode signals for all calls so even if third parties should intercept calls with the receiver, they will hear only noise.
- The FOMA terminal sends and receives voice communication as encoded digital data. When you are operating the FOMA terminal while moving, sometimes you may encounter weaker radio waves and the transmitted digital data may not be correctly decoded resulting in sound distortions.
- It is recommended that you save important data on a microSD card. If you use a PC, use DOCOMO keitai datalink to send and save data such as Phonebook entries, mail messages, Schedule events, etc. to the PC.

- When you use SSL for a secure connection, you agree that you are responsible for any actions you take. DOCOMO and the certifiers listed below do not guarantee the safety of SSL for any activities of customers while using SSL, and are not liable for any damages incurred through using SSL.
  Certifiers: VeriSign Japan K.K.,
  Cybertrust Japan Co., Ltd.,
  GlobalSign K.K.,
  RSA Security Japan Ltd.,
  SECOM Trust Systems Co., Ltd.
- The FOMA terminal supports FOMA Plus-Area and FOMA HIGH-SPEED Area.
- The FOMA terminal can be used only via the FOMA network provided by DOCOMO and DOCOMO's roaming area.
- It is recommended that you make a backup of user-defined data (Phonebook entries, Schedule events, text memos, Record messages, voice memos, or moving picture memos) saved in the FOMA terminal by keeping the separate record or note of those data, etc. and storing them at a separate location. DOCOMO is not responsible for lost data due to failure, repair, or replacement of the model of your FOMA terminal.

What You Can Do with L-04B

Guide (Japanese only)→P21

Guide pre-installed in the FOMA terminal allows you to look for operating instructions of a desired function. When you cannot refer to this manual, you can search functions with Guide quickly.

Stand-by display ▶ 7 (for over 1 second)

International roaming→P41

Your FOMA terminal, phone number, and mail address that are used in Japan are available overseas (supporting 3G and GSM areas).

i-Channel (Japanese only)→P53

You can receive graphic information such as news or weather forecasts.
Also, you can obtain rich content created with Flash by selecting your favorite channels from the Channel list.
* This service is a fee-based service that requires subscription.

Full browser→P51

You can browse web pages incompatible with i-mode on the FOMA terminal in the same way as on a PC.

Camera functions→P54

You can capture still images (with auto focus) and moving pictures using the camera with approx. 3.1 Mega effective pixels (approx. 3.1 Mega recorded pixels).

Osaifu-Keitai→P62

You can download i-αppli that supports Osaifu-Keitai to deposit electronic money to the IC card on the FOMA terminal, check your balance or view usage history using communication. DOCOMO credit service, "DCMX" application, is pre-installed. "iC transfer service" is also available, which allows transfer of data on the IC card when you replace your FOMA terminal.
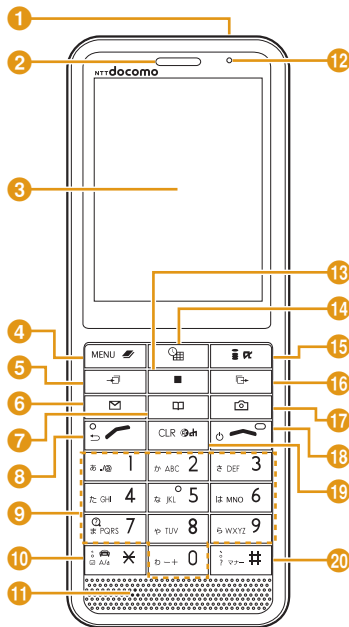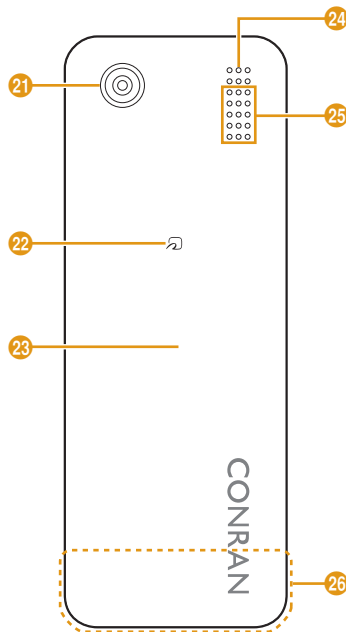* This FOMA terminal does not support "iC communication".

Bar code reader→P63

By scanning a bar code or QR code with the camera, you can access to the corresponding site or send a mail.
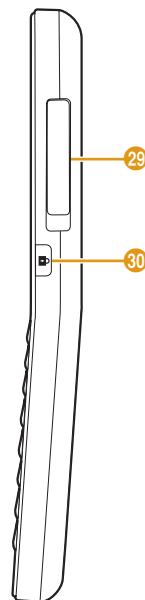
Part Names and Functions

●**Front**　　　　　　　　●**Rear**　　　　　　　　●**Left side**　　●**Right side**

• The microSD card insertion position is underneath the battery pack inside the back cover.→P65

❶ **Infrared port**

❷ **Earpiece**

❸ **Display**

❹ MENU▲ **Menu key**
Display the main menu.

❺ **Navigation Left key**
Display the received call list screen.

❻ ✉ **Mail key**
Display the mail menu.

❼ **Navigation Down key**
Display the Phonebook list screen.

❽ ✆ **Start key**
Make/receive a call.

❾ **Dial keys**
Enter a phone number or character.

❿ ✳ **Public mode (Drive mode) key**

⓫ **Mouthpiece**

⓬ **Charging light/Illumination**

⓭ ■ **Set key**

⓮ **Navigation Up key**
Display a schedule.

⓯ ⅰα **i-mode/i-αppli key**
Display the i-mode menu.

⓰ **Navigation Right key**
Display the redial list screen.

⓱ 📷 **Camera key**
Display the still image shooting screen.

⓲ ☎ **Power/Exit key**
End a call or exit a function.

⓳ CLR⑨ⓐ **Clear/i-Channel key**
Display the channel list screen.

⓴ # **Manner mode key**

㉑ **Camera**

㉒ 🔲 **mark**

㉓ **Back cover**
Do not remove the sticker on the back side of the back cover. If removing it, the IC card contents may not be read or written.

㉔ **Photo light**

㉕ **Speaker**

㉖ **FOMA antenna**
The FOMA antenna is inside the FOMA terminal. To communicate in better condition, avoid covering the antenna part with your hands.

㉗ **Strap hole**

㉘ **Charging terminals**

㉙ **External connector terminal**

㉚ 🔒 **Lock key**
Press for over 1 second to set/cancel the key lock.

Using earphones

Connect optional earphones compatible with the external connector terminal.
If you use the incompatible earphones, connect the optional conversion plug adapter to the earphones.

Earphone terminal (Flat type)

Flat plug for the Flat-plug Earphone/Microphone with Switch
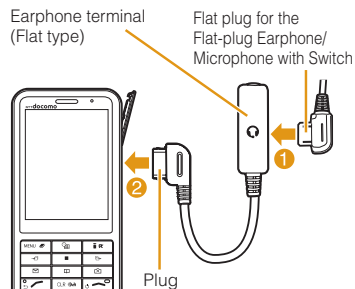
Plug

Ex.: Connecting the Flat-plug Earphone/Microphone with Switch (optional)

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Precautions (ALWAYS FOLLOW THESE PRECAUTIONS)

■ Before using your FOMA terminal, read these "Precautions" carefully so that you can use it correctly. After reading these precautions, keep this manual for later reference.

■ Be sure to observe these precautions because they are intended to protect you or others around you from causing injury and to avoid damage to the property.

■ The symbols below indicate the levels of danger or damage that may occur if the particular precaution is not observed and the FOMA terminal is used improperly.

⚠ **DANGER**	**This symbol indicates that incorrect handling may directly or immediately cause death or serious injury.**
⚠ **WARNING**	**This symbol indicates that incorrect handling poses a risk of causing death or serious injury.**
⚠ **CAUTION**	**This symbol indicates that incorrect handling poses a risk of causing injury or damage to the product or property.**

■ The following symbols indicate specific directions:

🚫 Don't	**Denotes things not to do (Prohibitions).**

🚫 No disassembly	**Denotes not to disassemble.**
🚫 No wet hands	**Denotes not to touch with wet hands.**
🚫 No liquids	**Denotes not to use where it could get wet or not to wet it.**

❗ Do	**Denotes mandatory instructions (matters that must be complied with).**
🔌 Unplug	**Denotes to unplug from the outlet.**

■ **"Precautions" are explained in the following six sections:**

Introduction

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General Precautions for FOMA Terminal, Battery Pack, Adapter, and UIM

⚠ DANGER

⊘ Don't
Do not use, store, or leave the FOMA terminal and its accessories in locations subject to high temperatures, such as near fire, in direct sunlight, or inside a car under the hot sun.
Fire, burns, or injury may result.

⊘ Don't
Do not put the battery pack, FOMA terminal, adapter, or UIM in heating appliances such as microwaves or high pressure containers.
Fire, burns, injury, or electric shock may result.

⊗ No disassembly
Do not disassemble or remodel the FOMA terminal and its accessories.
Fire, burns, injury, or electric shock may result.

⊗ No liquids
Do not get the FOMA terminal and its accessories wet with water, drinking water, pet urine, etc.
Fire, burns, injury, or electric shock may result.

❗ Do
Use battery packs and adapters specified by NTT DOCOMO.
Fire, burns, injury, or electric shock may result.

⚠ WARNING

⊘ Don't
Do not subject the FOMA terminal and its accessories to severe shocks, or throw them.
Fire, burns, injury, or electric shock may result.

⊘ Don't
Keep conductive foreign objects (metal, pencil lead, etc.) away from the charging terminals or external connector. Do not insert such objects inside the FOMA terminal.
Fire, burns, injury, or electric shock may result.

⊘ Don't
Do not cover or wrap the FOMA terminal or its accessories with bedding, etc. while using or charging.
Fire or burns may result.

❗ Do
Make sure to turn off the FOMA terminal before you go to a place such as a gas station where flammable gas is generated, and do not charge the FOMA terminal.
Catching fire may result.
If you use Osaifu-Keitai on the premises of the gas station, make sure to turn the power off beforehand and use it. (If the IC card lock is set, cancel the lock and then turn the power off.)

❗ Do
If you notice any strange smells, overheating, discoloration, or deformation while using, charging, or storing the FOMA terminal, immediately take the following actions:
● **Remove the power plug from the outlet or cigarette lighter socket.**
● **Turn the FOMA terminal power off.**
● **Remove the battery pack from the FOMA terminal.**
Fire, burns, injury, or electric shock may result.

⚠ CAUTION

🚫 Don't
Do not place the FOMA terminal and its accessories in unstable places such as wobbly tables or sloping shelves.
The FOMA terminal or its accessories may fall, resulting in injury.

🚫 Don't
Do not store the FOMA terminal and its accessories in humid or dusty places, or in high temperatures.
Fire, burns, or electric shock may result.

❗ Do
If children use the FOMA terminal, a guardian should explain the safety instructions and correct operations. The guardian should also make sure that the instructions are followed during use.
Injury may result.

❗ Do
Keep out of the reach of babies and infants.
Accidental swallowing or injury may result.

❗ Do
Pay extra attention when you use the FOMA terminal for an extended period of time while it is connected to the adapter.
If you use i-αppli or make a videophone call for a long time while charging, the FOMA terminal, battery pack, or adapter may become hot. Some users who continuously or repeatedly touch a hot FOMA terminal may develop rashes, itching, or eczema depending on their physical health or existing medical conditions, or a low-temperature bare skin burn may result.

Precautions for FOMA Terminal

⚠ WARNING

🚫 Don't
Do not directly point the infrared port at someone's eyes during transmission.
Their eyes may be adversely affected.

🚫 Don't
Do not directly point the infrared port at home appliances with the infrared device.
Malfunction of the infrared device may cause an accident.

🚫 Don't
Do not get liquids such as water or foreign objects such as metal pieces or flammable materials into the UIM or microSD card slot of the FOMA terminal.
Fire, burns, injury, or electric shock may result.

❗ Do
Turn the FOMA terminal off in places where use is prohibited such as in airplanes or hospitals.
Electronic devices or electronic medical devices may be adversely affected. If the FOMA terminal is set to be turned on automatically, cancel the setting before turning it off. For use in medical facilities, follow instructions of each medical facility. You will be punished if you take activity prohibited by law such as use of the FOMA terminal in airplanes.

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Do **When you use Hands-free, or a ring tone is sounding, make sure to keep the FOMA terminal away from your ear. When you use the headphone/microphone connected to the FOMA terminal to play a game or music, adjust the volume.**
The excessive sound volume may result in hearing loss. Also, if you cannot hear ambient sounds, an accident may result.

Do **For those who suffer from heart ailments, the vibrator or ring tone volume should be adjusted carefully.**
Their hearts may be adversely affected.

Do **If you wear any implanted electronic medical devices, contact the manufacturer or dealer of the electronic medical device to ask about the effect from radio waves.**
Electronic medical devices may be adversely affected.

Do **Turn the FOMA terminal off in places near high-precision electronic devices or devices using weak electronic signals.**
Electronic devices may be adversely affected such as causing malfunction.
* Electronic devices that may be affected:
Hearing aids, implanted cardiac pacemakers and implanted defibrillators, other medical electronic devices, fire alarms, automatic doors, and other automatically controlled devices. If you are using an implanted cardiac pacemaker and implanted defibrillator, or any other electronic medical devices, consult the manufacturer or retailer of the device for advice regarding possible effects from radio waves.

Do **If the display glass or camera lens is broken, avoid touching the broken glass or exposed parts inside the FOMA terminal.**
The surface of the display is covered with a protective film and the camera lens is covered with a plastic panel so that shattered glass pieces do not scatter easily, however, if you touch the broken glass or exposed parts, injury may result.

⚠ CAUTION

Don't **Do not swing the FOMA terminal by strap, etc.**
It may hit you or others, resulting in an accident such as injury.

Don't **Do not use the broken FOMA terminal.**
Fire, burns, injury, or electric shock may result.

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⊘ **If the display is broken and the LCD liquid leaks, do not apply the liquid to your skin such as face or hand.**
Don't
Blindness or injury to your skin may result.
If the LCD liquid gets into your eyes or mouth, immediately flush with clean water and consult a doctor.
Also, if the liquid gets on your skin or clothes, immediately wipe it off with alcohol and wash with soap and water.

⊘ **The surface of the display is covered with a protective film that prevents shattered plastic pieces from scattering in case the display breaks by being dropped or an external impact. Do not forcibly remove or damage the film.**
Don't
If the film has been removed, injury may result when the display breaks.

❗ **If you use the FOMA terminal in a car, contact the car manufacturer or dealer to ask about the effect from radio waves.**
Do
Depending on the type of a car, in-car electronic devices could be adversely affected. In this case, stop using the FOMA terminal immediately.

❗ **Itching, rash or eczema may be caused depending on your physical conditions or predisposition. If an abnormality occurs, stop using the FOMA terminal immediately and consult a doctor.**
Do
• Material List→P14

❗ **Look at the display in a well-lit place, keeping a certain distance from the screen.**
Do
Failure of eyesight may result.

Precautions for Battery Pack

■ **Check the battery type by the label attached to the battery pack.**

Description	Type
Li-ion00	Lithium-ion battery

⚠ DANGER

⊘ **Do not get any metal objects such as wire come into contact with the battery terminal. Do not carry or store the FOMA terminal together with any metal objects such as a necklace.**
Don't
Ignition, explosion, overheating, or leakage of the battery pack may result.

⊘ **When attaching the battery pack, check the direction of the battery pack. If you cannot attach the battery pack properly, do not attach it forcibly.**
Don't
Ignition, explosion, overheating, or leakage of the battery pack may result.

Do not throw the battery pack into fire.

Don't

Ignition, explosion, overheating, or leakage of the battery pack may result.

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

Don't

Ignition, explosion, overheating, or leakage of the battery pack may result.

If the battery fluid gets into your eyes, do not rub them. Immediately flush with clean water and consult a doctor.

Do

Blindness may result.

⚠ WARNING

If you found any trouble on the battery pack such as deformation caused by a drop or scratches, never use the battery pack.

Don't

Ignition, explosion, overheating, or leakage of the battery pack may result.

If the battery leaks or emits strange smell, immediately stop using the FOMA terminal and keep it away from fire.

Do

The leaked battery fluid may ignite, resulting in fire or burst.

Make sure that your pets do not bite the battery pack.

Do

Ignition, explosion, overheating, or leakage of the battery pack may result.

⚠ CAUTION

Do not dispose of exhausted batteries with ordinary household waste.

Don't

Ignition or environmental damage may result. Cover the battery terminals with a non-conductive tape and take them to the docomo Shop, etc. or dispose of them in accordance with local waste disposal regulations.

Do not use or charge a wet battery pack.

Don't

Ignition, explosion, overheating, or leakage of the battery pack may result.

If the liquid inside the battery pack leaks, do not apply the liquid to your skin such as face or hand.

Do

Blindness or injury to your skin may result.
If the liquid gets into your eyes or mouth, or attach to your skin or clothes, flush with clean water immediately. If the liquid gets into your eyes or mouth, consult a doctor immediately after flushing with water.

Precautions for Adapter

⚠ WARNING

Do not use a damaged adapter cord.

Don't

Fire, burns, or electric shock may result.

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Do not use the AC adapter and desktop holder in a place with high humidity such as a bath room.

Don't

Fire, burns, or electric shock may result.

The DC adapter is for use only in a negative (-) grounded vehicle. Do not use it in a positive (+) grounded vehicle.

Don't

Fire, burns, or electric shock may result.

If it starts to thunder, do not touch the adapter.

Don't

Electric shock may result.

Do not short-circuit the charging terminals when the adapter is plugged into an outlet or cigarette lighter socket. Also, never touch the charging terminals with fingers or other bare skin.

Don't

Fire, burns, or electric shock may result.

Do not place heavy objects on the adapter cord.

Don't

Fire, burns, or electric shock may result.

When inserting the AC adapter into an outlet or removing it, do not contact metal object such as metal strap.

Don't

Fire, burns, or electric shock may result.

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

No wet hands

Fire, burns, or electric shock may result.

Use the adapter at the specified power source and voltage. Also, if charging the FOMA terminal overseas, use an AC adapter available overseas.

Do

Using at the wrong voltage may result in fire, burns, or electric shock.
AC adapter: 100V AC
DC adapter: 12/24V DC (for negative grounded vehicles only)
AC adapter available overseas: 100 to 240V AC (Connect only with household AC outlet)

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

Do

Fire, burns, or electric shock may result. See each instruction manual for the specified fuse.

Keep the power plug dust-free.

Do

Fire, burns, or electric shock may result.

When plugging the AC adapter into an outlet, plug it in firmly.

Do

Fire, burns, or electric shock may result.

When removing the adapter from the outlet or cigarette lighter socket, do not forcibly pull the adapter cord, instead hold the power plug and pull it out.

Do

Fire, burns, or electric shock may result.

Unplug **If you do not use the adapter for a long time, unplug the power plug from the outlet or cigarette lighter socket.**
Fire, burns, electric shock may result.

Unplug **If liquids such as water get into the adapter, unplug the power plug from the outlet or cigarette lighter socket.**
Fire, burns, or electric shock may result.

Unplug **Before cleaning the adapter, pull the plug out of the outlet or cigarette lighter socket.**
Fire, burns, or electric shock may result.

Precautions for UIM

⚠ CAUTION

Do **Be careful not to touch the edge of UIM when removing it.**
Injury may result.

Precautions on Using near Electronic Medical Equipment

■ **The following description meets "Guideline on the Use of Radio-communication Equipment such as Cellular Telephones - Safeguards for Electronic Medical Equipment" by the Electromagnetic Compatibility Conference Japan.**

⚠ WARNING

Do **Comply with the following instructions inside medical facilities:**
● Do not bring the FOMA terminal in operating rooms, intensive care units (ICU), or coronary care units (CCU).
● Turn the FOMA terminal off in hospital wards.

● Turn the FOMA terminal off in hospital lobbies and corridors if electronic medical devices could be nearby.
● If the medical facility has specific zones where use or possession of mobile phones is prohibited, follow those regulations.
● If the FOMA terminal is set to be turned on automatically, cancel the setting before turning it off.

Do **Turn the FOMA terminal off in crowded places such as on a train where implanted cardiac pacemaker or defibrillator wearers could be nearby.**
Operation of an implanted cardiac pacemaker or implanted defibrillator may be adversely affected by radio waves.

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If you use an implanted cardiac pacemaker or implanted defibrillator, use or carry the FOMA terminal 22cm or more away from the implanted cardiac pacemaker or implanted defibrillator.
Operations of an implanted cardiac pacemaker or implanted defibrillator may be adversely affected by radio waves.

Do

Patients using electronic medical equipment other than implanted cardiac pacemakers or implanted defibrillators (outside medical facilities for treatment at home, etc.) should check the influence of radio waves upon the equipment by consulting the manufacturer.
Operations of electronic medical equipment may be adversely affected by radio waves.

Do

Material List

Part		Material/Surface treatment
Outer case		
	Display	TEMPERED GLASS/PET FILM
	Back cover	PC RESIN/Acrylic UV cured coating
Keypad		PC RESIN/Acrylic UV cured coating
Lock key		PC RESIN + Urethane/Acrylic UV cured coating
Camera		PC SHEET (MR58)
External connector terminal cover		PC RESIN + Urethane/Acrylic UV cured coating
Battery compartment		Mg/Melamine coating
Pin (inside the strap hole)		SUS316LF
Charging terminals		Phosphor bronze/Ni plating + Pt plating
Charging terminal connector (Battery compartment)		silicone HS 70˚
Infrared port		PC RESIN
Circular cover at central part of the rear side of the Phone		PC SHEET/Acrylic UV cured coating

Part		Material/Surface treatment
Screws		MILD STEEL/ZnB plating
Battery pack		
	Battery pack	LUPOLY GN1002FL KPA1
	Sticker	PET
	Terminals	C5210R 1/2H
microSD card insertion part		
	Guide	Stainless steel/Au plating + Ni plating
	Fixing plate	LCP/Glass fiber
	Metal contacts	Corson Alloy/Au plating + Ni plating
UIM insertion part		
	Guide	Stainless steel/Ni 1.0μm ~ 5.0μm
	Fixing plate	LCP 68%/Glass fiber 10%/Inorganic filler and Others 22%
	Metal contacts	Cu-Ni-Si-Mg Alloy

Handling Precautions

General notes

■ **Do not wet the equipment.**

The FOMA terminal, battery pack, adapter, and UIM are not waterproof. Do not use them in places with high humidity such as a bathroom or where rain may get them wet. If you are carrying them against your body, moisture from sweat may corrode the internal parts, causing malfunction. Note that malfunction deemed to be caused due to exposure to liquids is not covered by the warranty, and repair may be impossible. They may be repaired at your expense even if repairs are possible.

■ **Use a dry soft cloth (lens cleaning cloth) to clean the equipment.**
  • If you rub the display strongly with a dry cloth, the display may be scratched.
  • If the display is left with water drop or stain adhered, smear may be generated.
  • Do not use alcohol, thinner, benzene, detergent or other solvents for cleaning, otherwise the printed images or text may disappear or discoloration may result.

■ **Occasionally clean the terminals with a dry cotton swab.**

If the terminals become dirty, the contact may become loose and the FOMA terminal power may be turned off, or the terminal may not be fully charged.

Be careful not to damage the terminals when you clean them.

■ **Do not place the equipment near air conditioner outlets.**

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

■ **Do not place excessive force on the FOMA terminal or the battery pack.**

If the FOMA terminal is put under heavy objects in a bag, or if it is sat upon while in your pocket, the display, internal circuit board, or battery pack may be damaged or malfunction.

While external devices are inserted to the external connector terminal (earphone/microphone terminal), the connector may be damaged or malfunction.

■ **Carefully read each manual attached to the FOMA terminal, adapter, and desktop holder.**

■ **Do not rub or scratch the display with a metal object.**

Doing so may cause damage or malfunction.

Notes on the FOMA terminal

■ **Avoid using in extremely high or low temperatures.**

Use the FOMA terminal within a temperature range of 5 ℃ to 35 ℃ and a humidity range of 45% to 85%.

■ **The FOMA terminal may adversely affect general phones, televisions, or radios, etc. in use nearby. Use the FOMA terminal as far away from such equipment as possible.**

■ **Keep a separate record of any information stored on the FOMA terminal and store the copies in a safe location.**

DOCOMO assumes no responsibility for the loss of any of your data.

■ **Do not drop the FOMA terminal or subject it to shocks.**

Damage or malfunction may result.

■ **Do not insert an external device to the external connector terminal (earphone/microphone terminal) crookedly or do not pull it when it is inserted.**
Damage or malfunction may result.

■ **It is normal for the FOMA terminal to become warm during use or being charged. You can continue to use it.**

■ **Do not leave the camera in a place exposed to direct sunlight.**
Pixels may be discolored or burns may result.

■ **Usually close the external connector terminal cover.**
Dust or moisture may seep in and cause malfunction.

■ **Do not use the FOMA terminal with the back cover removed.**
The battery pack may fall out or malfunction or damage may result.

■ **While using a microSD card, do not remove it or turn the FOMA terminal power off.**
Data loss or malfunction may result.

■ **Do not place magnetic media near the FOMA terminal.**
Data on magnetic media such as cash cards, credit cards, telephone cards or floppy disks may be lost.

■ **Do not place a magnetized item near the FOMA terminal.**
A strong magnetic field may cause malfunction of the FOMA terminal.

Notes on the battery pack

■ **The battery pack is a consumable.**
Depending on the usage, a battery pack may run out of its charge extremely quickly even if it is fully charged. Purchase a new battery pack specified in this manual.

■ **Charge the battery pack in a place with an ambient temperature of 5 ℃ to 35 ℃.**

■ **The actual usage time of the battery pack depends on the usage environment or the deterioration level of the battery pack.**

■ **The battery pack may swell as the battery life is near its end depending on the battery pack condition, but it is not a malfunction.**

■ **When you store the battery pack, avoid the following conditions.**
• Fully charged (immediately after charge is completed)
• No battery (the state where the power cannot be turned on due to battery drain)
The performance or life of the battery pack may be reduced.
It is recommended that you store the battery pack when the battery level icon shows two bars.

Notes on the adapter

■ **Charge the battery pack in a place with an ambient temperature of 5 ℃ to 35 ℃.**

■ **Charge the battery pack where:**
• There is very little humidity, vibration, and dust.
• There are no land-line phones, television sets or radios nearby.

■ **It is normal for the adapters to become warm while using or charging the FOMA terminal. You can continue to use it.**

■ **Use the DC adapter only when the car engine is running.**
The car battery may be exhausted.

- **When using an outlet with a latch mechanism, follow the instruction manual of the outlet.**
- **Do not place strong impacts. Also, do not deform the charging terminals.**
Malfunction may result.

Notes on the UIM

- **Do not use excessive force to insert/ remove the UIM.**
- **Note that you are responsible for malfunction caused by inserting the UIM into a different IC card reader/ writer.**
- **Always keep the IC portion of the UIM clean.**
- **Clean the UIM with a soft, dry cloth (lens cleaning cloth).**

- **Keep a separate record of any information stored on the UIM and store the copies in a safe location.**
DOCOMO assumes no responsibility for the loss of any of your data.
- **To protect the environment, please bring unnecessary UIM to a service counter such as the docomo Shop.**
- **Do not scratch, carelessly touch, or short-circuit the IC portion.**
Data loss or malfunction may result.
- **Do not drop the UIM or subject it to shocks.**
Malfunction may result.
- **Do not bend the UIM or put heavy objects on it.**
Malfunction may result.
- **Do not insert the UIM with labels or stickers attached into the FOMA terminal.**
Malfunction may result.

Cautions

- **Never use a modified FOMA terminal. Using a modified device violates the Radio Law.**
The FOMA terminal acquires the certification of conformity with technical standards of specified radio equipment based on the Radio Law. As a proof, "Technical conformity mark ⊜" is printed on the nameplate of the FOMA terminal.
If you remove screws to modify the internal components of the FOMA terminal, the certification of conformity with technical standards becomes invalid.
Do not use the FOMA terminal with the invalid certification of conformity with technical standards. Doing so violates the Radio Law.
- **Be careful when using the FOMA terminal while driving.**
Using a mobile phone in hand while driving is subject to punishment by law. If you receive a call unavoidably, use Hands-free to tell the caller to call back and park the car at a safe place and then make a call.

Before Using

Attaching UIM (FOMA Card)/Battery Pack

The UIM is an IC card that contains subscription information such as your phone number.

· Turn the FOMA terminal power off and hold it with both hands.

1 **Press and slide the back cover in the direction ❶, and hold it up in the direction ❷ and remove it**

Back cover
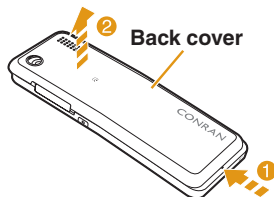
2 **With the gold IC side down, insert the UIM under the guide in the direction of the arrow**

Guide

Notch

Notch

IC (Gold)
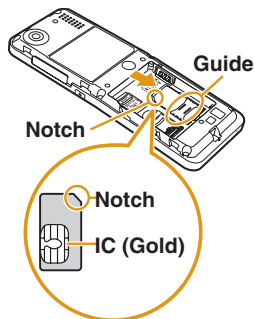
3 **With the " ⒷEEE " side of the battery pack up, align the metal contacts of the battery pack and the FOMA terminal, attach the battery pack in the direction ❶, and then push it down in the direction ❷**
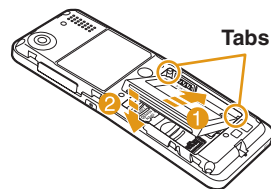
Tabs

· When attaching, align the tabs and depressions of the FOMA terminal and the battery pack.

4 **Align the back cover to the ditch of the FOMA terminal with approx. 3mm gap kept between the back cover and FOMA terminal. Then, slide it in the direction ❶ and insert it until it clicks**

(Approx. 3mm)
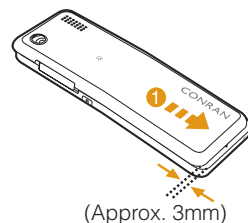
─Information─
· If trying to attach the battery pack forcibly while UIM is not inserted properly, UIM may be damaged.
· If trying to attach the battery pack forcibly, the contacts of the FOMA terminal may be damaged.

Charging

Charging with desktop holder

While holding the desktop holder (optional), insert the AC adapter connector, with the inscribed arrow side up, straight into the external connector terminal of the desktop holder.

Connect the AC adapter plug to an electric outlet.

While holding the desktop holder, align the charging terminals of the FOMA terminal with the holder (❶), and fit it in the direction of the allow ❷.

· The charging light turns on and charging starts. When charging completes, the charging light turns off.

After charging completes, pull the FOMA terminal out while holding the desktop holder.

· Be careful not to pinch the strap, etc.
· Pull out the AC adapter connector straight while pressing the release buttons on both sides of the connector.
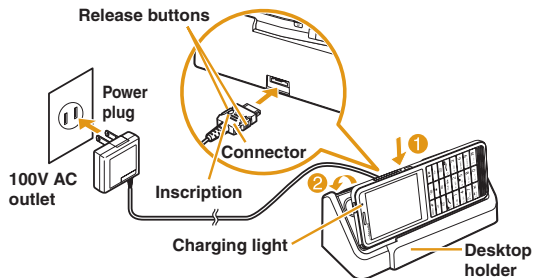
Charging with AC adapter

Open the external connector terminal cover of the FOMA terminal (❶) and flip it over (❷). With the inscribed arrow side up, insert the AC adapter connector straight into the external connector terminal of the FOMA terminal.

Connect the AC adapter plug to an electric outlet.

· The charging light turns on and charging starts. When charging completes, the charging light turns off.

After charging completes, pull the AC adapter connector straight out while pressing the release buttons.
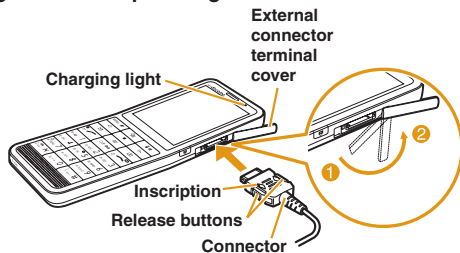
─ Information ─
· Make sure to insert/pull out the AC adapter connector straight with the correct side up. Forcibly trying to pull it out may cause damage.

Turning Power ON

Turning power ON

1 **With the power turned OFF, ▬ (for over 2 seconds)**

After the Wake-up screen is displayed, the Stand-by display appears.

📶 🖂 📶12:34

10/01 (fri) 12:34

🖂 3

Turning power OFF

1 **With the power turned ON, ▬ (for over 2 seconds) in Stand-by**

The Exit screen appears and the power is turned OFF.

Configuring Default Setting

After turning the power ON for the first time, set "Set Date&Time", "Change security code", and "KeyPad Sound(ON/OFF)" as default settings.

1 **Turn the power ON ▶ "Yes"**

2 **Set the date and time**

3 **Set the Terminal security code**

4 **Set the keypad tone (select "ON" or "OFF")**

Checking Your Own Phone Number

View your phone number (own number) saved on the UIM.

· For procedures on checking/changing your mail address, see "Mobile Phone User's Guide [i-mode] FOMA version".

1 **Stand-by display ▶ MENU ▶ "Own Number"**

Editing your own number

1 **Stand-by display ▶ MENU ▶ "Own Number" ▶ ■ [Detail] ▶ Enter the Terminal security code**

2 **MENU [Menu] ▶ "Edit"**

3 **Edit each item ▶ i✕ [Done]**

Searching for Key Operations

Search and refer to the function you want to know or use. Depending on the function, you can execute the searched function after searching.

· This function is provided in Japanese only.

1 **Stand-by display ▶ 7 (for over 1 second)**

2 **"Menu search"/"Useful guide"**
When selecting "Menu search", enter menu item names or keywords to search for your desired function. Press i✕ [Chara] to switch input modes. When selecting "Useful guide", select and check the target function from the list.

─ Information ─
· If ■ [Start] appears on the search result screen, press ■ [Start] to execute the function.

Preventing Key Misoperations

When you put the FOMA terminal in your bag, it is recommended to set the key lock in order to prevent key misoperation.

Setting key lock

1 **▣ (for over 1 second)**

Canceling key lock

1 **While the display turns on, ▣ (for over 1 second)**
· When the display turns off, press ▣ to turn it on, and then perform the operation.

─ Information ─
· When the key lock is set, 🔒 appears on the screen.
· When a call arrives while setting the key lock, an incoming screen, etc. appears on the display. Some operations are temporarily available depending on the key.

●Screen Explanation

Viewing Display/Icon

The meanings of icons displayed at the top of the screen are as follows.

❶❷❸❹❺❻　　❼　❽❾

❿⓫⓬⓭⓮⓯⓰⓱⓲⓳⓴

❶ Signal strength

Yıll Yıl Yı Y
Strong ⟵⟶ Weak
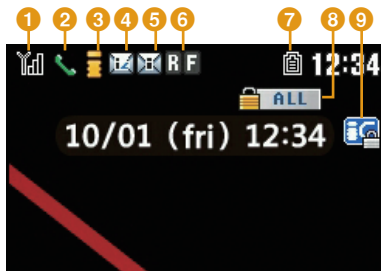
Out of service area or no signal reception
圏外

❷ Voice call in progress

❸ i-mode connection in progress while blinking

❹ i-mode mail stored at the i-mode center

❺ Unread i-mode mail

❻ Unread MessageR
Unread MessageF

❼ Battery level
📱~☐

❽ Lock all set

❾ IC card lock set

❿ Manner mode set

⓫ A ring tone for voice/videophone call inactive and vibration active

⓬ A ring tone for mail/MessageR/F inactive and vibration active

⓭ Public mode (Drive mode) set

Basic Operation

⑭ Record message set

⑮ Alarm set

⑯ Today's schedule or To do set

⑰ microSD card inserted

⑱ Outgoing voice/videophone calls restricted

⑲ Outgoing mails restricted

⑳ Data access lock set

Notification icon

A number displayed on each icon indicates the number of entries.

㉑ Missed call

㉒ Unread mail

㉓ Voice mail message

㉔ Record message

Viewing Main Menu

On the FOMA terminal, execute functions, set items, or save entries or data from menus such as main menu or sub menu.
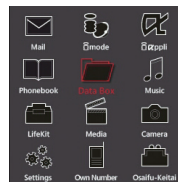
● **Function displayed on the main menu and corresponding key operation**

Function	Operation
Mail	1
i-mode	2
i-αppli	3
Phonebook	4
Data Box	5
Music (MUSIC)	6
LifeKit	7
Media	8
Camera	9

Basic Operation

23

Function	Operation
Own Number	0
Settings	✳
Osaifu-Keitai	#

* Depending on the main menu design, the description of menu name may differ.

Navigation Key Operation

In this manual, operations such as moving the cursor up, down, to left or to right, or scrolling on the screen are described as below.

Navigation Up key

Navigation Left key —

Navigation Right key

Navigation Down key
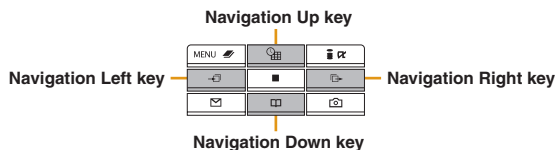
Description	Operation
Navigation key	Press Navigation Up, Down, Left, or Right key.
Navigation Up key	Press Navigation Up key.
Navigation Left key	Press Navigation Left key.
Navigation Right key	Press Navigation Right key.
Navigation Down key	Press Navigation Down key.

Description	Operation
Navigation Up/Down key	Navigation Up or Down key.
Navigation Left/Right key	Press Navigation Left or Right key.

Soft Key Operation

Available operations on the currently opened screen are displayed as Soft keys at the bottom of a screen.

❶ **Operation to be performed with** MENU✍ **appears.**
❷ **Operation to be performed with** ✉ **appears.**
❸ **Operation to be performed with** ■ **appears.**
• The mark (‹◇›) also appears to indicate the possible direction for scrolling or selecting an item.
❹ **Operation to be performed with** 📷 **appears.**
❺ **Operation to be performed with** ⅈℝ **appears.**

Basic Operation
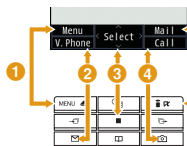
Menu Operation

This section explains operations for accessing the main menu from the Stand-by display and displaying the setting screen for "Color theme" in the following two ways.

When using Navigation key

1 **In Stand-by, press** MENU **to display the Main menu**

2 **Use Navigation key to move the cursor to "Settings" and press ■ [Select] to display the Settings screen**

3 **Use Navigation Up/Down key to move the cursor to "Display" and press ■ [Select] to display the Display screen**

4 **Use Navigation Up/Down key to move the cursor to "Color theme" and press ■ [Select]**

Color theme
1 White
2 Yellow
3 Blue
4 Red
5 Black
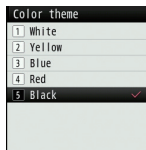
When using Dial keys

1 **In Stand-by, press** MENU **to display the Main menu**

2 **Press ✳ corresponding to "Settings" to display the Settings screen**

3 **Press 2 corresponding to "Display" to display the Display screen**

4 **Press 3 corresponding to "Color theme"**

Basic Operation

Character Entry

Entering Characters

Character entry is required in various situations such as when saving entries to Phonebook or creating mail. Learn how to enter characters beforehand to make use of the FOMA terminal.

Character entry screen

On the Character entry screen, the current input mode and operation guide are displayed.

Input mode

Available number of characters or bytes to be input

Character entry screen
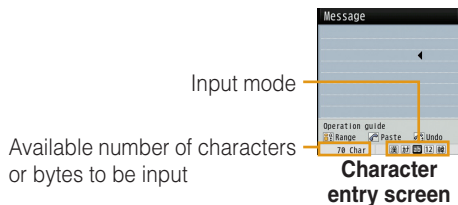
Switching input mode

Switch the input mode according to the character type to be input. In some input modes, switching between full-pitch and half-pitch characters is available.

1 **Character entry screen ▶ `i α` [Mode]**

2 **`i α` [Change]**
  · Each time you press `i α` [Change], input modes are switched. When you press `☑` [To full/To half], full-pitch and half-pitch modes are switched (except for Hiragana and Kanji input mode and Korean input mode).

    漢 : Hiragana and Kanji input mode
    カ (ｶ) : Katakana input mode
    ab/AB*¹ (a/A*¹)
       : Alphabetical input mode
    12 (1) : Numeric input mode
    韓*² : Korean input mode

    *1 Press `MENU` [Upper/Lower] to switch between upper and lower cases.
    *2 Appears when SMS input character is set to "JP/KR(70Chara)".

3 **`■` [Select]**
  The input mode is set.

Basic Operation

Character entry method

In Hiragana and Kanji input mode, enter characters using the following two prediction functions. Prediction input function: predicts conversion options. Next phrase prediction function: predicts the next phrase from the characters being entered.

Example: Entering characters "ドコモ太郎 (DOCOMO Taro)" in Hiragana and Kanji input mode

1 On the Character entry screen, enter "どこも (DOCOMO)"

"ど": 4 five times ▶
 ＊ once
"こ": 2 five times
"も": 7 five times

Character input field

Prediction option field

```
Message
どこも◄

Prediction                    ↑↓
どこも ドコモ
ドコモ提供
ドコモポイント 何処も
DOCOMO docomo ドコも
10000 bytes      漢 かな abc 12
```
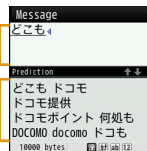
Conversion (Prediction) options predicted by the Prediction input function appear.

2 Use Navigation Up/Down key to move the cursor to the Prediction option field

3 Move the cursor to "ドコモ (DOCOMO)" ▶ ■ [Set]

4 Enter "たろう (Taro)"

"た": 4 once
"ろ": 9 five times
"う": 1 three times

5 Use Navigation Up/Down key to move the cursor to the Prediction option field

6 Move the cursor to "太郎 (Taro)" ▶ ■ [Set]

Entering pictograms/symbols/emoticons

Pictograms, symbols, and emoticons pre-installed in the FOMA terminal can be used when entering characters.

1 Character entry screen ▶ ⌨ [Pict/Sym]

2 Use ｉ℞ [Change] to select an input mode

3 Use MENU to switch types

4 Select a pictogram/symbol/emoticon to enter

- Information
- Depending on the entry screen, pictograms, symbols, or emoticons may not be entered, or input mode/type may not be switched.

Sound/Screen Setting

Changing Ring Tone

1 **Stand-by display ▶ MENU✉ ▶ "Settings" ▶ "Sounds & Vibration" ▶ "Select ring tone"**

2 **Select an item and select a file**

3 **ℹ🄌[Done]**

Adjusting Volume

1 **Stand-by display ▶ MENU✉ ▶ "Settings" ▶ "Sounds & Vibration" ▶ "Volume"**

2 **Select an item and adjust volume**

3 **ℹ🄌[Done]**

Setting Vibrator

1 **Stand-by display ▶ MENU✉ ▶ "Settings" ▶ "Sounds & Vibration" ▶ "Vibrator"**

2 **Move the cursor to the item to set ▶ ■[ON/OFF]**

3 **ℹ🄌[Done]**

Using Manner Mode

1 **Stand-by display ▶ # (for over 1 second)**
When the Manner mode is set, 📳 appears at the top of the screen.

- Even while the manner mode is set, the camera shutter tone, shooting start tone and end tone sound.
- **To cancel the Manner mode**
  In Stand-by, press # (for over 1 second).

Setting Keypad Sound OFF

1 **Stand-by display ▶ MENU✉ ▶ "Settings" ▶ "Sounds & Vibration" ▶ "Volume" ▶ Move the cursor to "Keypad tone"**

2 **Use Navigation Left key to set 🔇 (Mute)**

3 **ℹ🄌[Done]**

Basic Operation

Changing Screen Settings

Changing Stand-by display

1. **Stand-by display ▶ MENU ▶ "Settings" ▶ "Display" ▶ "Stand-by display"**

2. **Set each item**

3. **i α [Done]**

Changing display brightness

Set the backlight duration and brightness of the display.

1. **Stand-by display ▶ MENU ▶ "Settings" ▶ "Display" ▶ "Backlight"**

2. **Set each item**

3. **i α [Done]**

Changing main menu design

Set the menu design displayed when MENU is pressed in Stand-by.

1. **Stand-by display ▶ MENU ▶ MENU [Menu] ▶ "Menu priority" ▶ "Custom menu"/"Basic menu" ▶ "Yes"**

─ Information ─
· To switch the menu temporarily, press ☐ [Basic]/
 ☐ [Custom] while the menu is displayed.

Setting Kisekae Tool

Set ring tones, stand-by display or menu icons, etc. at a time.

1. **Stand-by display ▶ MENU ▶ "Data Box" ▶ "Kisekae Tool"**

2. **Move the cursor to "i-mode"/"Preinstalled" ▶ ■ [Open]**

3. **Move the cursor to a Kisekae Tool ▶ i α [Set all] ▶ "Yes"**

- Information

 - Kisekae Tool can also be set using the following steps. Stand-by display ▶ [MENU] ▶ [Kisekae] ▶ move the cursor to "i-mode"/"Preinstalled" ▶ [■] [Open]
 - To reset the setting, press [MENU][Menu] on the Kisekae Tool list screen ▶ "Reset screen display / sound setting" ▶ enter the Terminal security code.

Changing Illumination when Receiving

1 **Stand-by display ▶ [MENU] ▶ "Settings" ▶ "Display" ▶ "Lighting LED" ▶ Move the cursor to "Lighting LED" ▶ [■] [ON]**

2 **"Incoming voice call"/"Incoming video call"/"New mail" ▶ Select an illumination pattern**

3 **[i α] [Done]**

Checking Missed Calls or New Mails with Lighting

1 **Stand-by display ▶ [MENU] ▶ "Settings" ▶ "Display" ▶ "Lighting LED" ▶ Move the cursor to "Lighting LED" ▶ [■] [ON]**

2 **Move the cursor to "Missed call" or "Unread message" ▶ [■] [ON]**

3 **[i α] [Done]**

- Information

 - The illumination for "Missed call" lights or blinks in Aqua color for approximately six hours at approximately five second interval.
 The illumination for "Unread message" lights or blinks in Green color for approximately six hours at approximately five second interval.

Saving Power Consumption

Set the backlight brightness of the display to the lowest power saving level, and set the backlight to be turned off when 10 seconds elapsed after the last operation.

1 **Stand-by display ▶ [MENU] ▶ "Settings" ▶ "Other" ▶ "eco mode" ▶ "ON"/"OFF"**

- Information

 - Alternatively, press [5] for over 1 second in Stand-by to set/cancel the eco mode.

Lock/Security

Various Security Codes

● **Cautions on security codes**

• Avoid setting security codes using your birthday, part of your phone number, your address or room number, "1111" or "1234" that can be easily guessed by others. Be sure to write down the set security codes and store them in a separate location.

• Do not reveal your security codes to others. DOCOMO is not responsible for damage caused by misuse of your security codes by others.

• If you forget your security codes, you need to bring your identification document (driver's license, etc.), the FOMA terminal, and UIM to the docomo Shop. For details, contact "General Inquiries" at the back of this manual.

• PUK code is written in the application form (copy for subscriber) given at the time of contract. If you have subscribed at a place other than the docomo Shop, bring your identification document (driver's license, etc.) and UIM to the docomo Shop or contact "General Inquiries" at the back of this manual.

Terminal security code (Default: 0000)

You can change the Terminal security code by yourself.

Stand-by display ▶ MENU ▶ "Settings" ▶ "Lock/Security" ▶ "Change security code"

Network security code (At the time of contract: any number)

The Network security code is a 4-digit number to be used for your identification at an acceptance of order at the docomo Shop, docomo Information Center, or "お客様サポート (user support)", or for accessing network services. You can change the code by yourself.

If you have "docomo ID and Password" for "My docomo", a total support site for a PC, you can change the Network security code from a PC. From i-mode, you can change it by accessing "iMenu" ▶ "お客様サポート (user support)" ▶ "各種設定(確認・変更・利用) (settings (check/change/use))" ▶ "ネットワーク暗証番号変更 (Change Network security code)".

• For "My docomo" and "お客様サポート (user support)", see the back side of the back cover of this manual (Japanese only).

i-mode password (At the time of contract: 0000)

The "i-mode password" is a 4-digit number required to register/remove contents in My Menu, and subscribe to/cancel the message service or fee-based i-mode services. (Some other information service providers may set individual passwords.)
You can change the password by yourself.

From i-mode, you can change it by accessing "iMenu" ▶ "English" ▶ "Options" ▶ "Change i-mode Password".

PIN1 code/PIN2 code (At the time of contract: 0000)

You can set PIN1 and PIN2 codes to the UIM. PIN1 code is a 4- to 8-digit number to be entered to identify the user every time UIM is inserted into the FOMA terminal or the terminal power is turned on in order to prevent unauthorized use by third party. PIN2 code is a 4- to 8-digit number used to reset accumulated call charges, etc. You can change them by yourself. To change PIN1 code, set "PIN1 code request" to "ON" beforehand.

Stand-by display ▶ MENU ▶ "Settings" ▶ "Lock/Security" ▶ "PIN code" ▶ Enter the Terminal security code ▶ "Change PIN1 code"/"Change PIN2 code"

PUK code (PIN unblock code)

PUK code is an 8-digit number used to unblock PIN1 code or PIN2 code. You cannot change it by yourself.
· If you failed to enter PUK code 10 times in a row, UIM is locked.

Enter PIN1 code	OK →	Set new PIN1/PIN2 code
Failed 3 times in a row →	Enter PUK code (PIN unblock code)	
Enter PIN2 code	Failed 10 times in a row →	Contact the docomo Shop.
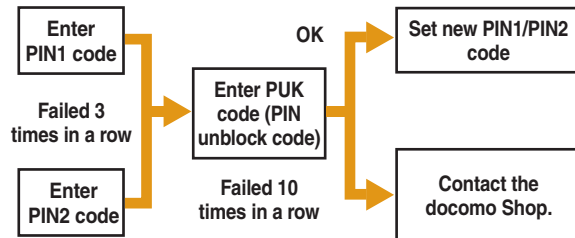
Various Lock Functions

Lock function	Description
Lock all	Locks the FOMA terminal to prevent operations by others. **1 Stand-by display ▶ MENU ▶ "Settings" ▶ "Lock/Security" ▶ "Lock" ▶ "Lock all" ▶ Enter the Terminal security code ▶ "Yes"** ■ **To cancel Lock all** While Lock all is set, press MENU [Unlock] or press any dial key ▶ enter the Terminal security code. If failed to enter the correct Terminal security code five times in a row, the power automatically turns off. • When Lock all is set, IC card lock is also set simultaneously. • Emergency numbers (110, 119, 118) can be called during Lock all. (Only when UIM is inserted) While Lock all is set, press ｉκ[Emergency] ▶ select an emergency number ▶ ■ [OK].

Lock function	Description
Omakase Lock	Locks your personal data such as Phonebook and IC card functions of Osaifu-Keitai by calling DOCOMO when you lost the FOMA terminal. **Setting/Canceling Omakase Lock** ☎ **0120-524-360*** **Available 24 hours a day (open all year round) (Japanese only)** * Unavailable from part of IP phones. • Can be set/canceled from the My docomo site (Japanese only) using a PC. • For details on Omakase Lock, see "Mobile Phone User's Guide [i-mode] FOMA version".
Call/Mail lock	Disables outgoing calls, address entries with dial keys, incoming calls or display of mail messages, etc. to prevent operations of the FOMA terminal by others. **1 Stand-by display ▶ MENU ▶ "Settings" ▶ "Lock/Security" ▶ "Lock" ▶ "Call/Mail lock" ▶ Enter the Terminal security code** **2 Move the cursor to "Call/Mail lock" ▶ ■ [ON] ▶ Mark items to restrict** **3 ｉκ[Done]**

Lock function	Description
Self mode	Disables all functions that require communication, such as making/receiving calls, using i-mode, or sending/receiving mails. **1 Stand-by display ▶ MENU ▶ "Settings" ▶ "Call/VT/Dialing" ▶ "Self mode" ▶ "Yes"/"No"**
Data access lock	Specifies and locks functions to prevent unauthorized use by others. **1 Stand-by display ▶ MENU ▶ "Settings" ▶ "Lock/Security" ▶ "Lock" ▶ "Data access lock" ▶ Enter the Terminal security code** **2 Move the cursor to "Data access lock" ▶ ■ [ON] ▶ Mark functions to lock** **3 i☆ [Done]**

Lock function	Description
Auto key lock	Sets the key lock automatically when the time set in "Display duration" elapses without any operation of the FOMA terminal. **1 Stand-by display ▶ MENU ▶ "Settings" ▶ "Lock/Security" ▶ Move the cursor to "Auto key lock" ▶ ■ [ON/OFF]** · Canceling the key lock temporarily → P21
Display Call/Mail logs	Hides redial call, received call, sent mail, and received mail logs. **1 Stand-by display ▶ MENU ▶ "Settings" ▶ "Lock/Security" ▶ "Display Call/Mail logs" ▶ Enter the Terminal security code** **2 Move the cursor to the item to set ▶ ■ [ON/OFF]**

Restricting Incoming Calls

Setting actions when anonymous calls arrive

Reject incoming calls without caller ID per reason for anonymous call.

1 **Stand-by display ▶ MENU ▶ "Settings" ▶ "Call/VT/Dialing" ▶ "Incoming call" ▶ "Anonymous caller" ▶ Enter the Terminal security code ▶ Select/set each item**

Rejecting calls from callers unset in Phonebook

Set to reject calls from callers not saved to Phonebook or without caller ID.

1 **Stand-by display ▶ MENU ▶ "Settings" ▶ "Call/VT/Dialing" ▶ "Incoming call" ▶ "Accept/Reject call" ▶ Enter the Terminal security code ▶ Move the cursor to "Reject unknown" ▶ ■ [ON/OFF]**

Resetting to Default

Resetting various function settings to defaults

Reset the settings you have changed in functions to defaults.

1 **Stand-by display ▶ MENU ▶ "Settings" ▶ "Other" ▶ "Reset/Clear" ▶ "Reset settings" ▶ "Yes" ▶ Enter the Terminal security code**

Deleting all saved data at once

Delete saved data.

1 **Stand-by display ▶ MENU ▶ "Settings" ▶ "Other" ▶ "Reset/Clear" ▶ "Clear memory"**

2 **Mark items to delete ▶ i α [Done] ▶ "Yes" ▶ Enter the Terminal security code**

Call Telephone

This FOMA terminal is not equipped with Inner camera. So the image sent to the other party during videophone call is a still image or current image captured with Outer camera.

Making a Call/Videophone Call

Entering a phone number to make a call

1 **Enter a phone number**
· Start with a city code even for a local call.

2 ⌐

A ringing tone sounds from the earpiece, and the Dialing screen is displayed until the other party answers the call.

■ **To make a videophone call**
Press ⌐ｉ×⌐[V. phone].

3 To end the call, ⌐

Making a call from Phonebook

1 **Stand-by display ▶ Navigation Down key**

2 **Move the cursor to the entry to call ▶** ⌐

■ **To make a videophone call**
Press ⌐☑⌐[V. Phone].

Making a call using redial logs or received call logs

Up to 30 entries each can be saved.

· If exceeded 30 entries, the entry is deleted from the oldest.

1 **Stand-by display ▶ Navigation Right key (Redial) or Navigation Left key (Recv. Calls)**

2 **Move the cursor to the entry to call ▶** ⌐ ■ ⌐**[Detail]**

3 ⌐ **or** ⌐ ■ ⌐**[Call]**

■ **To make a videophone call**
Press ⌐☑⌐[V. phone].

Notifying other party of your phone number

Set whether to notify/not to notify other party of your caller ID on the network beforehand.

1 Stand-by display ▶ MENU ▶ "Settings" ▶ "NW Services" ▶ "Caller ID notification" ▶ "Activate/Deactivate"

2 "Notify"/"Not notify"

— Information —
・ If you hear a guidance asking to notify of your caller ID, set the caller ID notification or prefix 186 to the other party's phone number and call again.

Making an international call

WORLD CALL is an international call service available from DOCOMO mobile phones. When having subscribed to the FOMA service, you have also subscribed to "WORLD CALL" (except those who have applied not to use the service).

・ You can make calls to approximately 240 countries and regions.
・ Charges for "WORLD CALL" are added to the monthly bill for the FOMA service.
・ The application/monthly fee is free of charge.
・ Some billing plans are not available for this service.

・ Even if the caller ID notification is set, it may not be notified or phone number may not be displayed correctly, depending on the telecommunication carrier. In this case, you cannot make a call from the Received calls screen.
・ For details on WORLD CALL, contact "General Inquiries" at the back of this manual.
・ If you use international carriers other than DOCOMO, contact them directly.

1 Stand-by display ▶ Enter "010 - Country code - Area code (City code) - Other party's phone number"

・ If an area code (city code) starts with "0", remove "0". (When calling some countries such as Italy, "0" may be required.)

2 📞

■ **To make an international videophone call**
Press ‖∗‖[V. phone].

Receiving a Call/Videophone Call

1 **A call arrives**

■ **When a videophone call arrives**
Press ▬ [Image] to answer a call with the substitute image.

2 [call key]

■ **During a videophone call**

Press `i☆`[Camera/Image] to switch the image to send between the camera image and the substitute image.

3 To end the call, [end key]

Adjusting Earpiece Volume

1 During a call, Navigation Up/Down key

When You cannot Answer a Call

Setting Record message

If the Record message is activated, the voice guidance is played when you cannot answer a voice call and the other party's message is recorded.

• The Record message does not activate when a videophone call arrives. A call arrives in a normal way.

1 Stand-by display ▶ `MENU✉` ▶ "Media" ▶ "Record Message" ▶ "Record msg. setting"

2 Move the cursor to "Activate record msg." ▶ `■`[ON/OFF]

• Set to "ON" to select/set each item.

3 `i☆`[Done]

When the Record message is set, 📠 appears at the top of the screen.

Playing Record message

1 Stand-by display ▶ `MENU✉` ▶ "Media" ▶ "Record Message" ▶ "Record msg. list"

2 Move the cursor to a recorded message ▶ `■`[Play]

Setting Public mode (Drive mode)

The guidance is played announcing that you cannot answer the call because you are currently driving or in a place where you should refrain from talking on the phone (train, bus, or movie theater), and then the call is disconnected.

1 Stand-by display ▶ `✕`(for over 1 second)

• When the Public mode (Drive mode) is set, 🚗 appears at the top of the screen.

■ **To cancel the Public mode (Drive mode)**
In Stand-by, press `✕` (for over 1 second).

Connect

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Setting Public mode (Power OFF)

When a call arrives while the power is turned OFF, the guidance is played announcing that you cannot answer the call because you are in a place where you should turn the power OFF (hospital, airplane, near priority seats on a train), and then the call is disconnected.

1 Stand-by display ▶ Enter "✳25251" ▶ [☎]
■ **To cancel the Public mode (Power OFF)**
In Stand-by, enter "✳25250" and press [☎].

Using Various Network Services

Available network services

The following DOCOMO network services are available for the FOMA terminal.

Service name	Subscription	Monthly fee
Voice Mail Service	Required	Charged
Call Waiting	Required	Charged
Call Forwarding Service	Required	Free
Nuisance Call Blocking Service	Not required	Free
Caller ID Notification Service	Not required	Free
Caller ID Request Service	Not required	Free

Service name	Subscription	Monthly fee
Dual Network Service	Required	Charged
English Guidance	Not required	Free
Multi Number	Required	Charged
OFFICEED	Required	Charged
Public mode (Drive mode)	Not required	Free
Public mode (Power OFF)	Not required	Free
Melody Call	Required	Charged

─Information─
· You cannot use network services while you are out of service area or where there is no signal reception.
· For subscription or inquiries, contact "General Inquiries" at the back of this manual.
· "OFFICEED" is a fee-based service requiring a subscription. For details, visit the following DOCOMO's web site for corporations. (http://www.docomo.biz/html/service/officeed/) (Japanese only)
· For details on network services, see "Mobile Phone User's Guide [Network Services]".

Setting Voice mail service

1 **Stand-by display ▶ MENU ▶ "Settings" ▶ "NW Services" ▶ "Voice mail" ▶ Select an item**

Setting Call waiting

1 **Stand-by display ▶ MENU ▶ "Settings" ▶ "NW Services" ▶ "Call waiting" ▶ Select an item**

Setting Call forwarding service

1 **Stand-by display ▶ MENU ▶ "Settings" ▶ "NW Services" ▶ "Call forwarding" ▶ Select an item**

Services Available for the FOMA Terminal

Available service	Phone number
Directory assistance service (Charges apply: guidance fee + call fee) (Only listed phone numbers can be provided.)	(No prefix) 104
Telegrams (Charge applies: telegram fee)	(No prefix) 115
Time check (Charges apply)	(No prefix) 117

Available service	Phone number
Weather forecast (Charges apply)	City code of the desired area + 177
Emergency calls to police	(No prefix) 110
Emergency calls to fire station and ambulance	(No prefix) 119
Emergency calls for accidents at sea	(No prefix) 118
Disaster emergency message dial (Charges apply)	(No prefix) 171
Collect calls (Charges apply: guidance fee + call fee)	(No prefix) 106

- Information
  - When you use "Call forwarding" of a land-line phone and have specified a mobile phone as the forwarding destination, the caller may hear a ring tone even if the mobile phone is busy, out of service area, set to Self mode, or turned off depending on the settings of the land-line phone and mobile phone.
  - Even when the UIM is not inserted, emergency phone numbers (911, 999, 112, 000, and 08) can be dialed to make an emergency call overseas. However, when Self mode is set, emergency calls cannot be made.

Connect

・This FOMA terminal supports "緊急通報位置通知 (Emergency Location Report)". When making emergency calls to 110, 119, or 118, your current location (location information) will automatically be notified to emergency report reception agencies such as the Police. The agency may not receive accurate location information depending on your current location or signal conditions. When you do not notify of your caller ID by dialing such as with "184" added, your location information and caller ID are not notified. However, when the agency judges that the location information and caller ID are necessary to protect a human life, it may acquire your location information and caller ID regardless of your setting. The region and timing "Emergency Location Report" is introduced vary depending on the preparation of respective emergency report reception agencies.

・When making a call at 110, 119, or 118 from the FOMA terminal, inform an operator that you are calling from a mobile phone and your caller ID and actual location. Do not move around while you are talking during an emergency call to prevent the call from being disconnected unexpectedly. Do not turn the power off immediately after the call is over; and keep the FOMA terminal ready to receive calls for approximately 10 minutes.

・Depending on the area where you are calling, you may not be connected to the local police or fire station. In such a case, use a public phone or land-line phone nearby.

Using Overseas

International roaming (WORLD WING) is a service that allows you to use the FOMA terminal used domestically in a service area of international carrier associated with DOCOMO, with the same phone number and mail address. You can use voice call, SMS, and i-mode mail functions without changing settings.

● **Available area**
This FOMA terminal can be used in 3G network and GSM/GPRS network service areas. Check available areas.

● **Before using the FOMA terminal overseas, see the following items.**
・"Int'l Service Guide" pre-installed on the FOMA terminal (Japanese only)
・"Mobile Phone User's Guide [International Services]"
・DOCOMO International Services website

─ Information ─
・For a country code, international call access code, and universal number international prefix, see "Mobile Phone User's Guide [International Services]" or DOCOMO International Services website.

Available services

Communication service	3G	GSM	GPRS
Voice call*1	○	○	○
Videophone*1	○	×	×
SMS*2	○	○	○
i-mode*3	○	×	○
i-mode mail	○	×	○
i-Channel*3*4	○	×	○
Packet communication by connecting to a PC	○	×	○

*1 When you use Multi number, you cannot make a call using Additional number.
*2 If you send a message to the FOMA terminal user, enter the other party's phone number in the same operation as in Japan.
*3 You need to make overseas usage settings for i-mode.
*4 You need to make i-Channel usage settings overseas. Packet communication charges apply for the automatic update for Basic channel information.
(In Japan, it is included in i-Chanel usage fee.)

― Information ―
• Some services are unavailable depending on the international carrier or network you access. For countries, regions, and international carriers you can access, see "Mobile Phone User s Guide [International Services] or DOCOMO International Services website.

Making a call to Japan while staying overseas

Make a call with "+81" prefixed to the other party's phone number.

1 Stand-by display ▶ ⓪ (for over 1 second) ▶ ⑧ ① ▶ Enter other party's phone number except the first "0"

2 ⌇
■ **To make a videophone call**
Press ⓘ×[V. phone].

Making a call to outside the country you stay (except Japan)

Make a call with "+" and a country code prefixed to the other party's phone number.

• To make a call to a WORLD WING user overseas, enter "81" as a country code to make an international call to Japan.

1 Stand-by display ▶ ⓪ (for over 1 second) ▶ Enter "Country code - Area code (City code) - Other party's phone number"
• If an area code (city code) starts with "0", remove "0". (When calling some countries such as Italy, "0" may be required.)

2 📞

■ **To make a videophone call**
Press 📱[V. phone].

Making a call to a person in the country you stay

Make a call by dialing the other party's phone number from the area code (city code).

1 **Stand-by display ▶ Enter "Area code (City code) - Other party's phone number"**

2 📞

■ **To make a videophone call**
Press 📱[V. phone].

Making a call to WORLD WING user overseas

To make a call to a WORLD WING user overseas, make a call as an international call to Japan regardless of in or out of the country you stay.

1 **Stand-by display ▶** 0 **(for over 1 second) ▶** 8 1 **▶ Enter the other party's phone number except the first "0"**

2 📞

■ **To make a videophone call**
Press 📱[V. phone].

Receiving a call overseas

1 **A call arrives**

2 📞
Answer a call.

3 **To end the call,** 📵

─ Information ─
・ When a call arrives during the international roaming, the call is internationally forwarded from Japan. The caller is charged for call fees to Japan, and the receiver is charged for receiving the call.

Mail

Sending i-mode Mail

Upon subscription to i-mode, you can exchange e-mail via the Internet, as well as between i-mode terminals.

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

1 **Stand-by display ▶ ⌨ ▶ "Compose Message"**

Address ⎯ Compose message
Subject ⎯ To
Attachment ⎯ Sub
Message ⎯ Message   0Byte
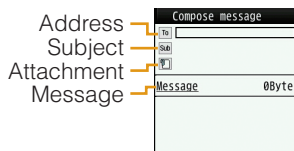
2 **Select ⌐ field ▶ "Direct input" ▶ Enter an address**

3 **Select Sub field ▶ Enter a subject**

4 **Select [Message] field ▶ Enter a message**

5 **⌨[Send]**

Attaching and sending a file

Attach an image or melody to i-mode mail to send.

· Up to 10 files, a total of 2MB, can be attached.

1 **Stand-by display ▶ ⌨ ▶ "Compose Message"**

2 **Select ⌐ field ▶ Select a file**

3 **Select ⌐ field ▶ "Direct input" ▶ Enter an address**

4 **Select Sub field ▶ Enter a subject**

5 **Select [Message] field ▶ Enter a message**

6 **⌨[Send]**

Connect

Sending Deco-mail

Create your designed mail by adding decorations such as changing font size, font color or background color, or inserting images when editing i-mode mail.

1. **Stand-by display ▶ ☑ ▶ "Compose Message"**

2. **Enter an address and subject**

3. **Select [Message] field ▶ ☑ [Deco]**
   · Set the character input mode to other than the Alphabetical input mode to select ☑ [Deco].

4. **Use the palette to decorate a message**

5. **If the palette is open, MENU✎ [Close]**
   ■ **To preview the Deco-mail message**
   Press MENU✎ [Menu] ▶ "Preview".

6. **■ [Set] ▶ ⓘℝ [Send]**

Viewing Received i-mode Mail

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

1. **When i-mode mail arrives, 🖂 appears at the top of the screen**
   When the reception completes, the Receive results screen appears.
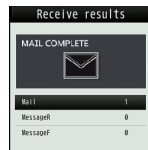
2. **"Mail" ▶ Select a folder**

3. **Select a mail to display**

Replying to i-mode mail

Reply to the sender of i-mode mail. Replying can be made by entering new text or quoting the text of the received i-mode mail.

1. **Received mail detail screen ▶ MENU [Menu] ▶ "Reply/Forward" ▶ "Reply"/"Reply with quote"**

2. **Enter a subject and message**

3. **i๙ [Send]**

Checking for new i-mode mail

When the FOMA terminal is out of service area, etc. and therefore i-mode mails are failed to be received, they are stored in the i-mode center. Check with the i-mode center for new messages to receive stored i-mode mails.

1. **Stand-by display ▶ ☑ ▶ "Check New Messages"**

Sorting mails

Set sorting criteria to automatically save mails to specified folders.

・Create sorting folders in "Inbox" and "Outbox" beforehand.

1. **Stand-by display ▶ ☑ ▶ "Mail Setting" ▶ "Auto sort"**

2. **"Sort inbox"/"Sort outbox"**

3. **Select the sorting rule setting field**

4. **Select the Sorting criteria field ▶ Set the sorting criteria**

5. **Select the Folder to sort into field ▶ Select the folder for sorting mails ▶ i๙ [Done]**

Connect

Using SMS

Sending SMS

Send a message addressed to a mobile phone number.

1 Stand-by display ▶ 🖂 ▶ "SMS" ▶ "Compose SMS"

```
          Compose SMS
┌─────────────────────────┐
│ TO                       │
│ ▤                  0Char │
│                          │
│                          │
│                          │
│                          │
└─────────────────────────┘
```
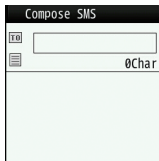
2 Select 🆃🅾 field ▶ "Direct input" ▶ Enter a phone number

3 Select ▤ field ▶ Enter a message

4 🄸🅐 [Send]

Viewing received SMS

SMS messages are sent automatically when the FOMA terminal is in the service area.

1 When SMS arrives, 🖎 appears at the top of the screen

When the reception completes, the Receive results screen appears.

```
          Receive results
┌─────────────────────────┐
│ MAIL COMPLETE            │
│         ┌──────┐         │
│         │  ✉   │         │
│         └──────┘         │
│                          │
│        SMS       1       │
└─────────────────────────┘
```
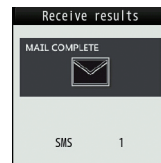
2 🔲 [Select] ▶ Select a folder

3 Select SMS to display

Connect

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Phonebook

Two types of Phonebooks are available with the FOMA terminal: FOMA terminal Phonebook to be saved on the FOMA terminal and UIM Phonebook to be saved on the UIM. Entry items that can be saved/set for each Phonebook are as follows.

Item		FOMA terminal Phonebook	UIM Phonebook
Entry details	Name (Reading)	1 entry	1 entry
	Phone number	5 entries	1 entry
	Mail address	3 entries	1 entry
	Group	31 groups	11 groups
	Image	1 entry	Not available
	Other settings	Secret code, Ringtone, Mail ringtone, etc.	Not available

Adding Phonebook Entries

Adding new phone number, mail address, etc.

1 **Stand-by display ▶ Navigation Down key (for over 1 second)**

```
Add to phonebook
📋 Registered memory
   Phone
🔢 Memory No.?
   000
👤 Name

🔤 Reading
```
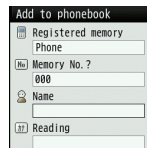
2 **Select "Registered memory" field ▶ "Phone"/"UIM"**

3 **Set each item**

4 **ⅰⓡ [Done]**

Connect

Adding Phonebook entries from redial or received calls

1 Stand-by display ▶ Navigation Right key (Redial) or Navigation Left key (Recv. Calls)

2 Move the cursor to the phone number to add ▶ ■ [Detail] ▶ MENU [Menu] ▶ "Add to phonebook"

3 "New registration"

4 Add the entry to Phonebook ▶ ⅰ ⁿ [Done]

Editing Phonebook Entries

1 Stand-by display ▶ Navigation Down key ▶ Select the entry to edit ▶ MENU [Menu] ▶ "Edit" ▶ Edit each item

2 After editing, ⅰ ⁿ [Done] ▶ "Yes"

Deleting Phonebook Entries

1 Stand-by display ▶ Navigation Down key ▶ Select the entry to delete ▶ MENU [Menu] ▶ "Delete"

2 "Yes"

Checking Phonebook Storage Status

Check the Phonebook storage status of the FOMA terminal and UIM.

1 Stand-by display ▶ MENU ▶ "Phonebook" ▶ "No. Of Phonebook"

Viewing Call/Mail History

1 Stand-by display ▶ MENU ▶ "Phonebook" ▶ "Call/Mail History" ▶ Select the log to view

i-mode/Full Browser

i-mode

i-mode is a service that makes use of the display of the FOMA terminal supporting i-mode (i-mode terminal) to enable you to use online services such as site access, Internet access, and i-mode mail.

- i-mode is a fee-based service requiring a subscription.
- For details on i-mode, see "Mobile Phone User's Guide [i-mode] FOMA version".

● **Before using i-mode**

- Contents of sites or Internet websites are generally protected by copyright law. Data, such as text or images you download to the i-mode terminal from sites or web pages, can be used only for personal entertainment, but cannot be used, in whole or in part, as it is or after modification, for sale or redistribution, without the consent of the copyright holders.
- If you replace the UIM with another one or turn the power ON with the UIM not inserted, you cannot display/play files, depending on the model, such as still images, moving pictures, melodies obtained from sites, attached files (still images/moving pictures/melodies, etc.) sent/received by mail, screen memos, or Message R/F.
- When a file with the UIM restriction is set as the Stand-by display or ring tone, the setting will revert to default if a different UIM is inserted or the power is turned ON with the UIM not inserted.

Displaying i-mode Site

1 Stand-by display ▶ `i℞` ▶ "iMenu" ▶ "English"

Viewing and Operating Sites

Selecting a site to display

1 **While viewing a site ▶ Select an item (link)**

During i-mode communication, ![icon] blinks at the top of the screen.
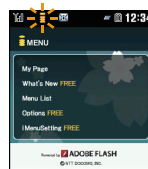
● **Key operations while viewing a site**

Operation	Description
☑ [∧]	Move up by one item/scroll up by the screen
◎ [∨]	Move down by one item/scroll down by the screen
➞ ▶ "Yes"	Exit i-mode
Navigation Up key/ Navigation Down key	Move up by one item/move down by one item
Navigation Left key/ Navigation Right key	Move to previous page/next page

Search

Saving frequently accessed sites as bookmarks

Save sites as bookmarks to display your favorite pages quickly.

1. While viewing a site ▶ MENU✉[Menu] ▶ "Bookmark" ▶ "Save"

2. Edit a title ▶ i✺[Add] ▶ Select a destination folder

Displaying homepages or sites from bookmarks

1. Stand-by display ▶ i✺ ▶ "Bookmark"

2. Select a folder ▶ Move the cursor to a bookmark ▶ ▪[Connect]

Saving Screen memos

Save the currently displayed page as a Screen memo. Saved Screen memo pages can be displayed without connecting to i-mode.

- Some sites are set to disable saving Screen memos. In this case, a page cannot be saved as a Screen memo.

1. While viewing a site ▶ MENU✉[Menu] ▶ "Screen memo" ▶ "Save" ▶ "Yes"

Displaying Screen memos

1. Stand-by display ▶ i✺ ▶ "Screen Memo"

2. Move the cursor to a Screen memo ▶ ▪[Display]

Full Browser

Using Full browser, you can browse web pages designed for PCs on the FOMA terminal.

- Some pages may not be displayed correctly.
- Note that you are charged a high communication fee for massive data communication such as browsing web pages containing many images or downloading data files. For details on packet communication fee and billing plan, see "Mobile Phone User's Guide [i-mode] FOMA version".

Search

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Displaying Web Pages Designed for PC

1 Stand-by display ▶ `i∝` ▶ "Full Browser" ▶ "Home"

- Information
- SSL/TLS-compatible web pages can be displayed with Full browser.
- SSL/TLS are the methods to communicate safely with authentication/encryption technologies. SSL/TLS pages prevent others from eavesdropping, spoofing, and altering information during communication by exchanging encrypted data, and enable you to exchange your personal information such as credit card number and address safely.

Saving frequently accessed web pages as bookmarks

Save sites as bookmarks to display your favorite pages quickly.

1 While viewing a web page ▶ `MENU` [Menu] ▶ "Bookmark" ▶ "Add"

2 Edit a title ▶ `i∝` [Add] ▶ Select a destination folder

Displaying web pages from bookmarks

1 Stand-by display ▶ `i∝` ▶ "Full Browser" ▶ "Bookmark"

2 Select a folder ▶ Select a bookmark

Switching i-mode to Full browser

1 While viewing an i-mode site ▶ `MENU` [Menu] ▶ "Switch to Full Browser" ▶ "OK"

- Information
- The billing system for Full browser is different from the one for i-mode. Packet communication charges may be increased when Full browser is used, depending on the data communication volume, so, it is recommended to subscribe to i-mode packet flat-rate service.

Search

i-Channel

This service distributes information such as news and weather forecast to i-Channel compatible terminals. The automatically received latest information appears <u>as a</u> ticker on the Stand-by display. Pressing CLR●● displays the latest information in the channel list.

• i-Channel is a fee-based service requiring a subscription (an i-mode contract is necessary for this subscription).

i-Channel has two types of channels: "Basic channel" provided by DOCOMO and "Okonomi (Optional) Channel" provided by IP (Information Provider). For "Basic channel", no packet communication charges apply for automatically updating information. For "Okonomi (Optional) Channel" in which you can save and use your favorite channels, packet communication charges apply for automatically updating information. Note that packet communication charges apply for browsing detailed information for both "Basic channel" and "Okonomi (Optional) Channel". When you use the international roaming service, packet communication charges apply for both automatically updating information and browsing detailed information.

• For details on i-Channel, see "Mobile Phone User's Guide [i-mode] FOMA version".
• The i-Channel service is provided in Japanese only.

Displaying i-Channel

If you subscribe to i-Channel, information automatically appears as a ticker on the Stand-by display when the information is received.

• While the Public mode (Drive mode) is set, the ticker does not appear.

1 Stand-by display ▶ CLR●●

Ticker   **Channel list screen**
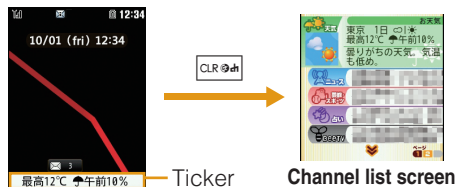
2 Select a channel item
The FOMA terminal connects to the site and detailed information is displayed.
• Navigation Left key: Return to the Channel list screen.

Camera

Viewing and Operating Shooting Screen

Still image shooting screen   **Moving picture shooting screen**
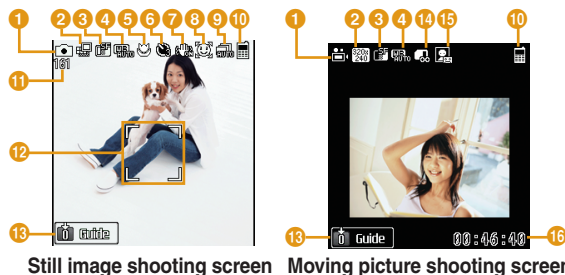
● Key operations on shooting screens

Operation	Description
■[Take]/[Rec.]	Shutter/Start recording
Navigation Left/ Right key	Zoom
Navigation Up/ Down key	Adjust brightness
1, i✿[Mode]	Change Camera mode
MENU✉[Menu]	Display setting menu
CLR on, —	Exit Photo-mode/Movie-mode

● Marks (icons) displayed on shooting screens

❶ **Mode**
　●Photo-mode 🎥Movie-mode
❷ **Image size**
❸ **Image quality**
　📷Super fine 📷Fine 📷Normal
❹ **White balance**
　Auto 💡Incandescent ☀Sunny
　Fluorescent ☁Cloudy
❺ **Macro**
　ON
❻ **Auto timer**
　3sec 10sec 15sec
❼ **Shake reduction**
❽ **Funny face shot**
❾ **Continuous mode**
　Auto Manual
❿ **Memory in use**
　📱Phone memory microSD
⓫ **Number of available shot**
⓬ **Focus frame**
　The frame color changes to indicate status when auto focus is in operation.
⓭ **Guide for key operations**
⓮ **Size restriction**
　No restriction For mail long For mail short
⓯ **Type**
　Sound+Video Movie only Sound only
⓰ **Total recordable time**

Shooting Still Images/Moving Pictures

Shooting still images

1 Stand-by display ▶ 📷

2 Point the camera to a subject ▶ ■ [Take]

3 ■ [Save]

Shooting moving pictures

1 Stand-by display ▶ 📷 ▶ ⓘℝ [Mode] ▶ "Movie-mode"

2 Point the camera to a subject ▶ ■ [Rec.]
The tone sounds and recording a moving picture starts.

3 ■ [Stop]
The tone sounds and recording a moving picture ends.

4 ■ [Save]

Viewing Still Images/Moving Pictures after Shooting

Viewing still images

1 Stand-by display ▶ MENU ▶ "Data Box" ▶ "My Picture" ▶ Move the cursor to "Camera" ▶ ■ [Open]

2 Move the cursor to a file ▶ ■ [View]

— Information —
• To set the still image you shot to the Stand-by display, display the still image to set and press MENU [Menu] ▶ "Set as" ▶ "Stand-by display".

View moving pictures

1 Stand-by display ▶ MENU ▶ "Data Box" ▶ "i-motion" ▶ Move the cursor to "Camera" ▶ ■ [Open]

2 Move the cursor to a file ▶ ■ [Play]

— Information —
• To set the moving picture you recorded to the Stand-by display, play the moving picture to set and press MENU [Menu] ▶ "Set as display" ▶ "Stand-by display".

Enjoy

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Shooting Still Images in Various Modes

Panorama shot
Create a panoramic image from three still images captured by moving the FOMA terminal rightward.

1 **Stand-by display ▶ 📷 ▶ MENU✐ [Menu] ▶ "Preview" ▶ "Shot mode" ▶ "Panorama shot" ▶ MENU✐ [Close]**

2 **■ [Take]**

3 **Move the FOMA terminal rightward ▶ ■ [Take]**

4 **Move the FOMA terminal rightward ▶ ■ [Take]**

A panoramic image made of three images is displayed.

5 **■ [Save]**

─ Information ─
・The right edge of the previously shot image is displayed at the left side of the shooting screen. This helps you to frame for the next shot.

Funny face shot
When you point the camera to a subject, the camera recognizes a face and converts it into a funny face.

1 **Stand-by display ▶ 📷 ▶ 📷 [Face]**

2 **Select a funny face type**

3 **Point the camera to a subject**
When the face is recognized, the effect is displayed on the screen.

4 **■ [Take] ▶ ■ [Save]**

Shooting with frame
Shoot an image with a frame added to a subject. Select a frame from "My picture".

1 **Stand-by display ▶ 📷 ▶ MENU✐ [Menu] ▶ "Preview" ▶ "Shot mode" ▶ "Shoot with frame"**

2 **Move the cursor to a folder ▶ ■ [Open] ▶ Select a frame ▶ MENU✐ [Close] ▶ MENU✐ [Close]**

3 **■ [Take] ▶ ■ [Save]**

Music

Music&Video Channel

- Music&Video Channel is a fee-based service requiring a subscription. You also need to subscribe to i-mode and i-mode packet flat-rate service.
- In addition to the usage fee for the Music&Video Channel, some programs may require additional information fees.
- After subscribing to Music&Video Channel, if you insert the UIM into a Music&Video Channel-incompatible FOMA terminal, the service becomes unavailable. However, service fees will still apply unless you cancel the Music&Video Channel subscription.
- You cannot set or obtain programs during international roaming.* When you go overseas, halt the distribution of programs beforehand. When you come back to Japan, resume starting distribution.
  * Packet communication charges apply if trying to set or obtain programs during international roaming.
- For details on Music&Video Channel, see "Mobile Phone User's Guide [i-mode] FOMA version".
- The Music&Video Channel service is provided in Japanese only.

Setting Programs

1. **Stand-by display ▶ MENU ▶ "Music" ▶ "Music & Video Ch"**
2. **"Set program"**
3. **Follow on-screen instructions to set programs**

Playing Programs

1. **Stand-by display ▶ MENU ▶ "Music" ▶ "Music & Video Ch" ▶ Select a program**

● **Key operations on Music&Video Channel player screen**

Operation	Description
■ [Pause/Play]	Pause/play
■ (for over 1 second)	Find the beginning of the current program and pause
Navigation Up/Down key	Adjust volume
Navigation Left/Right key	Play from the beginning of the current chapter or play the previous/next chapter
Navigation Left/Right key (Hold down)	Rewind/fast forward while holding down
⌒	Exit Music&Video Channel player

Enjoy

Viewing and Operating Music Player Screen

Title (song name), artist name — DOCOMO Song - DOCOMO Taro

Jacket image/lyrics

Album name — DOCOMO Best

Elapsed time/total time — 00:00:08 /00:05:49 Normal

Playback progress bar

Volume — ◀)) 5

● Key operations on Music player screen

Operation	Description
■ [Pause/Play]	Pause/play
Navigation Up/Down key	Adjust volume
Navigation Left/Right key	Find the beginning of the song or play previous song/next song
Navigation Left/Right key (Hold down)	Rewind/fast forward while holding down
8	Show/hide jacket image/lyrics
┏	Exit Music player

Downloading Chaku-Uta Full®

1 **Display a site that contains Chaku-Uta Full® songs ▶ Select a Chaku-Uta Full® song to download**

2 **"Save" ▶ Select a folder**

─ Information ─
· Before downloading music data from websites, read the license agreement (license and prohibited activities, etc.) carefully.
· Music data saved on the FOMA terminal or on a microSD card can be used for personal use only. When using, do not violate a third party's intellectual property right such as copyright, and other rights. Do not copy or move music data saved on the FOMA terminal or on a microSD card to other media such as a PC.
* "Chaku-Uta Full" is a registered trademark of Sony Music Entertainment Inc.

Playing Music Data

Example: To play music in "All songs"

1 **Stand-by display ▶ MENU ▶ "Music" ▶ "Music Player"**

2 **"All songs"**

3 **Move the cursor to music data ▶ ■ [Play]**

Enjoy

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i-αppli

"i-αppli" is software for i-mode compatible mobile phones. Download various software from i-mode sites to use the FOMA terminal more conveniently by updating stock price or weather information automatically, or enjoying games without connecting to network, etc.

- Packet communication charges apply.
- For overseas use, packet communication charges differ from domestic charges.
- For details on i-αppli, see "Mobile Phone User's Guide [i-mode] FOMA version".

Downloading i-αppli from Sites

Download software from a site and save it to the FOMA terminal.

1 **While viewing a site ▶ Select software ▶ "Yes"**

2 **Download completes ▶ "Yes"**
The downloaded software starts.

Starting i-αppli

1 **Stand-by display ▶ $\boxed{\text{i}\alpha}$ (for over 1 second)**

2 **Select software**
■ **To exit i-αppli**
Press $\boxed{\frown}$ ▶ "Yes".

Deleting i-αppli

1 **Stand-by display ▶ $\boxed{\text{i}\alpha}$ (for over 1 second) ▶ Move the cursor to software ▶ MENU $\boxed{\text{}}$ [Menu] ▶ "Delete" ▶ "This item" ▶ "Yes"**

─ Information ─
- If deleted pre-installed i-αppli, you can download from "WOW LG" site (Japanese only). From this site, you can download pre-installed Deco-mail picture, Deco-mail pictogram, wallpaper, melody, i-motion, etc. as well as i-αppli.
  Stand-by display ▶ $\boxed{\text{i}\alpha}$ ▶ "iMenu" ▶ "メニューリスト (Menu List)" ▶ "ケータイ電話メーカー (Mobile Phone Manufacturers)" ▶ "WOW LG"
  * Packet communication charge applies for downloading.

Enjoy

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i-motion

i-motion is a moving picture data with video and sound. i-motion can be downloaded from i-motion sites and can be played, saved, and set as the Stand-by display or ring tone, etc.

i-motion types

● **Standard type**

There are following two formats.
①Format to be played back after downloading (Up to 10MB)
②Format to be played back while downloading (Up to 10MB)
 • Some standard-type i-motion may not be saved, depending on i-motion.

● **Streaming type**

This type allows you to play back i-motion while downloading. Up to 10MB of i-motion can be played back. Data is deleted after playback and cannot be saved on the FOMA terminal.

Downloading i-motion from sites

• Downloaded i-motion is saved to "i-mode" folder in "i-motion" of "Data Box" or a microSD card.

1 While viewing a site ▶ Select i-motion

2 After playback or downloading, "Save"
 • If a microSD card is inserted, further select save location.

Playing i-motion

Play moving pictures you recorded or i-motion downloaded from sites or i-mode mails.

1 Stand-by display ▶ MENU▲ ▶ "Data Box" ▶ "i-motion"

2 Move the cursor to a folder ▶ ■ [Open]

3 Move the cursor to a file ▶ ■ [Play]
 • When playing back moving picture/i-motion (with video) for the first time, a confirmation appears asking whether to play i-motion in full screen at any time. Select "Yes" to play in full screen (horizontal).
 • If you switch i-motion in full screen (horizontal) to vertical screen during playback, press CLR⊙ch.

File display name ── V2010_1001_1225_0

Elapsed time/ total time

Volume

Playback progress bar

i-motion playback screen

Enjoy

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● **Key operations on i-motion playback screen**

Operation	Description
■ [Pause/Play]	Pause/play
i冗 [Stop]	Stop
Navigation Left/Right key	Play previous file/next file
Navigation Left key (Hold down)	Rewind video/sound while holding down
Navigation Right key (Hold down)	Fast forward video/sound while holding down
Navigation Up/Down key	Adjust volume

Using Playlist

Specify the playback order of moving pictures/i-motion on a playlist. Choose your favorite moving pictures/i-motion saved on a microSD card or FOMA terminal to play them in your favorite order.

Creating a playlist

1 Stand-by display ▶ MENU ▶ "Data Box" ▶ "i-motion" ▶ Move the cursor to "Playlists" ▶ ■ [Open]

2 i冗 [New] ▶ Enter a playlist name

3 ■ [Add] ▶ Move the cursor to a folder ▶ ■ [Open]

4 Check moving pictures/i-motion to save to a playlist ▶ i冗 [Done]

5 i冗 [Done]

Playing a playlist

1 Stand-by display ▶ MENU ▶ "Data Box" ▶ "i-motion" ▶ Move the cursor to "Playlists" ▶ ■ [Open]

2 Move the cursor to the playlist to play ▶ ■ [Play]

Osaifu-Keitai

Osaifu-Keitai is equipped with the IC card and enables you to pay by holding the FOMA terminal on the scanning device at shops, etc. In addition, you can access a site or homepage by holding the FOMA terminal on the scanning device, or deposit electronic money and check usage status, etc. using communication. In order to use safely, security is fully secure.
For details on Osaifu-Keitai, see "Mobile Phone User's Guide [i-mode] FOMA version".

- To use Osaifu-Keitai compatible services, you need to download Osaifu-Keitai compatible i-αppli from Osaifu-Keitai compatible sites and make settings.
- Data (including electronic money, points, etc.) saved in the IC card may be lost or altered due to the FOMA terminal malfunction. (Note that you are asked to delete data if you leave the FOMA terminal for repairs, etc.) For services such as reissue, restoration, temporary storage, or transfer of data except for the transfer by iC transfer service, contact the provider of Osaifu-Keitai compatible service. Make sure to use a service that provides a backup service for important data.
- DOCOMO shall not be liable for any loss or alteration of data saved in the IC card, or damage related to Osaifu-Keitai service caused by any reason such as malfunction or model change.
- If the FOMA terminal is stolen or lost, immediately contact your provider of Osaifu-Keitai compatible service about handling the trouble.

Using Osaifu-Keitai

Hold ♪ mark of the FOMA terminal on the scanning device to use as electronic money for payment or traffic ticket. This function can be used without starting software.

- The sticker is attached at the back side of the back cover to keep the performance of this function. Do not remove the sticker.
- Hold ♪ mark on the center of the scanning part.

♪ mark

Scanning part of the scanning device
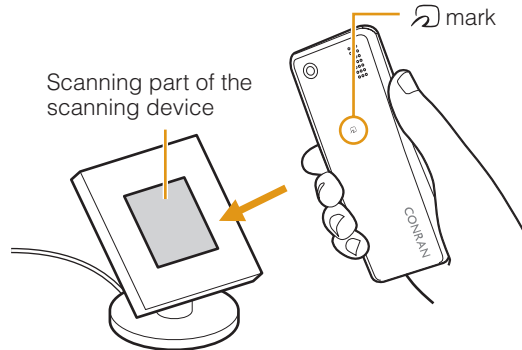
- Even when you are calling, connecting the FOMA terminal to i-mode, the power is turned off, or battery level becomes lower, you can use the Osaifu-Keitai function by holding ♪ mark on the scanning device. (Osaifu-Keitai compatible i-αppli cannot be activated.)

Convenient Tools

Using Schedule

Save schedules such as meetings or appointments.

1 Stand-by display ▶ Navigation Up key
 ▶ Move the cursor to date to save to
 Schedule ▶ ⓘℝ [New]

2 Set each item

3 ⓘℝ [Done]

Using Alarm

Use the FOMA terminal as an alarm clock.

1 Stand-by display ▶ MENU ▶ "LifeKit" ▶
 "Alarm"

2 Move the cursor to an alarm to edit ▶
 ■ [Edit]

3 Set each item

4 ⓘℝ [Done]

Using Bar Code Reader

**Scan information embedded in JAN code or QR code
using the camera.**
· When scanning a bar code, keep the camera 10cm
 away from a bar code.

1 Stand-by display ▶ MENU ▶ "LifeKit" ▶
 "Bar Code Reader"

2 Display the code to scan on the screen ▶
 ■ [Scan]

 After focus is adjusted automatically, the code is
 scanned. After scanning completes, the tone sounds
 and the scanned data is displayed.
 · While the Manner mode is set, the tone does not
  sound.

3 Use scanned data
 · The display or operation differs depending on the
  types of scanned data.

Using Various Convenient Tools

Using dictionary

Use Japanese dictionary, English-Japanese dictionary, and Japanese-English dictionary.

1 **Stand-by display ▶ MENU ▶ "Media" ▶ "Dictionary"**

2 **"JPN dict."/"ENG-JPN dict."/"JPN-ENG dict."**

3 **Enter a word to search**

JPN dict.
- こち(東風)
- こちく(胡竹)
- ごちく(五畜)
- こちこち
- ごちそう(御馳走)
- ごちそうさま(御馳...
- こちたし(言痛し・...
春、東からふく風。ひがし

4 **Use Navigation Up/Down key to select a word**

Viewing a document or subway map

View a document file saved on a microSD card or subway map saved on the FOMA terminal.

● **Viewing a document**

・ Available file types are Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and PDF. However, Word 2007, Excel 2007, and PowerPoint 2007 files cannot be viewed. Also, some files may not be viewed depending on the file type.

1 **Stand-by display ▶ MENU ▶ "Media" ▶ "Document Viewer" ▶ "microSD" ▶ Select a document**

● **Viewing a subway map**

1 **Stand-by display ▶ MENU ▶ "Media" ▶ "Document Viewer" ▶ "Subway map" ▶ Select a region**

Data Management

Using microSD Card

Copy files saved in Data Box on the FOMA terminal, such as images, moving pictures/i-motion, to a microSD card. Also, display files saved from a PC to a microSD card on the FOMA terminal.

- L-04B supports a microSD card of up to 2GB and a microSDHC card of up to 8GB (commercially available) (as of May, 2010).
  For the latest information on operation check including manufacturer and capacity of microSD card, visit the following site (Japanese only). microSD cards not listed on the site may not function.
  - From i-mode: "iMenu" ▶ "メニューリスト" ▶ "ケータイ電話メーカー" ▶ "WOW LG"
  - From a PC: http://jp.lgmobile.com/
  Note that information on the sites shows the results of operation checks and all the operations are not always guaranteed.
- Before inserting or removing a microSD card, perform the operation of "Turning power OFF", and, with the rear side up, remove the back cover and battery pack.

Inserting a microSD card

1 **Slide the guide to the direction of "OPEN" until it clicks (❶) and lift it up in the direction of the allow ❷**
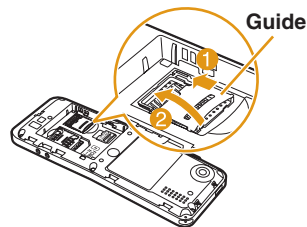
Guide

2 **With the microSD card metal contact side down, insert it while aligning the metal contacts of the microSD card and FOMA terminal**
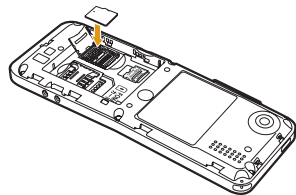
3 **Lift the guide down (❶), slide it to the direction of "LOCK" until it clicks (❷) and fix the microSD card**

· Lift the guide down while pressing the microSD card gently to fix it.
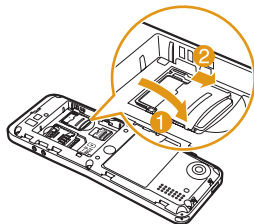
---Information---

· When inserting a microSD card, pay attention to the direction and insert it correctly. If inserted in the wrong direction, damage to the microSD card or the guide may result.
· A microSD card cannot be used if inserted incorrectly.

Removing a microSD card

1 **Slide the guide in the direction of "OPEN" until it clicks (❶) and lift it up in the direction of the allow ❷**
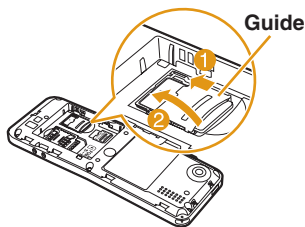
Guide

2 **Remove the microSD card**
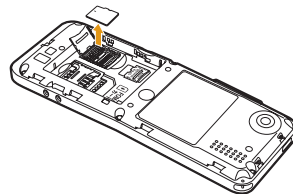
3 **Lift the guide down completely (❶) and slide it in the direction of "LOCK" until it clicks (❷)**
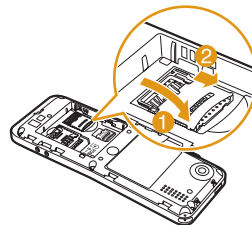
Resetting a microSD card

Reset (initialize) a microSD card so that it can be used on the FOMA terminal.

1 **Stand-by display ▶ MENU ▶ "LifeKit" ▶ "MicroSD" ▶ "Reset microSD"**

2 **"Yes" ▶ Enter the Terminal security code**

---Information---
- Make sure to use this FOMA terminal when resetting a microSD card.
- Note that all data on the microSD card is deleted when resetting.

Viewing/playing files on a microSD card

View/play files on a microSD card in the same way as on the FOMA terminal using "Data Box".

1 Stand-by display ▶ MENU ▶ "Data Box" ▶ "My Picture"/"Music"/"i-motion"/"Melody"

2 Move the cursor to "microSD" ▶ ■ [Open]
- If you select "Music" in Step 1, "Movablecontents" is displayed instead of "microSD".

Copying/moving files between the FOMA terminal and a microSD card

Copy/move files between the FOMA terminal and a microSD card by copying/moving files between the "microSD" folder and other folders in Data Box.

Example: To move a camera image saved on the FOMA terminal to a microSD card

1 Stand-by display ▶ MENU ▶ "Data Box" ▶ "My Picture"

2 Move the cursor to a folder ▶ ■ [Open]
- Select a folder other than "microSD".

3 Move the cursor to a file ▶ MENU [Menu] ▶ "Move" ▶ "One"

4 "External memory"

5 Move the cursor to a destination folder ▶ i☆ [Open] ▶ ■ [Select]

Backing up data to a microSD card

Select a data type and copy personal data saved on the FOMA terminal to a microSD card at once.

Personal data includes the following items.

- Phonebook
- Schedule
- Text memo
- To do list
- Inbox
- Outbox
- Unsent message
- Bookmark

1 Stand-by display ▶ MENU ▶ "LifeKit" ▶ "MicroSD" ▶ "PIM"

2 ⁱᴿ [Backup] ▶ Select a type of data to copy

3 Enter the Terminal security code ▶ "Yes"

Sending/Receiving Data by Infrared Communication

• Use infrared devices within a distance of approximately 20cm.
• Do not move the FOMA terminal until data exchange completes.
• If you hold the FOMA terminal in your hand when performing infrared communication, be sure to hold it securely so that it is not shaken.

Infrared port

15 degrees

15 degrees

Within approx. 20cm
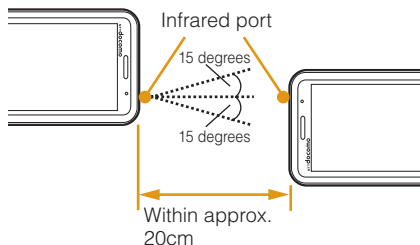
Sending a piece of data

• Set the receiving device to the infrared receiving mode before sending data.

Example: To send a Phonebook entry

1 Stand-by display ▶ Navigation Down key ▶ Move the cursor to the entry to send ▶ MENU [Menu] ▶ "Send Ir data" ▶ "Focused data" ▶ "Yes"

Receiving a piece of data

1 Stand-by display ▶ MENU ▶ "LifeKit" ▶ "Receive Ir Data" ▶ "Receive" ▶ "Yes"

2 Perform infrared transmission operations on the sending device
Infrared communication starts.

3 "Yes"

Sending all data

• Set the receiving device to the infrared receiving mode before sending data.

Example: To send all FOMA terminal Phonebook entries

1 Stand-by display ▶ Navigation Down key ▶ MENU [Menu] ▶ "Send Ir data" ▶ "all in phone"

2 Enter the Terminal security code ▶ Enter an authentication password ▶ "Yes"

Infrared communication starts.

Receiving all data

• Receiving all data overwrites data on the FOMA terminal and deletes all saved data including protected mails. Make sure that important data is not saved before exchanging all data.

1 Stand-by display ▶ MENU ▶ "LifeKit" ▶ "Receive Ir Data" ▶ "Receive all" ▶ "Yes"

2 Enter the Terminal security code ▶ Enter an authentication password

3 Perform infrared transmission operations on the sending device

Infrared communication starts.

4 "Yes"

─ Information ─
• Infrared communication with infrared devices other than L-04B may result in data not being received or displayed correctly on the receiving device.

Connecting to a PC

Connect the FOMA terminal to a PC and exchange WMA files or images on a microSD card.

In addition, access the Internet and perform data communication.

• FOMA USB Cable with Charge Function 02 (optional) or FOMA USB Cable (optional) is required.
• To perform data communication, install L-04B communication setting files from the supplied CD-ROM. For details, see "Manual for PC connection" in the supplied CD-ROM.

─ Information ─
• Purchase the exclusive FOMA USB Cable with Charge Function 02 or FOMA USB Cable. A USB cable for a PC cannot be used due to difference in the shape of the connector part.
• If you use a USB HUB, the FOMA terminal may not work properly.

● **Support**

Troubleshooting

- First, check whether the software update is required. If required, update the software. (Updating Software →P75)
- When the conditions are not improved even after you checked the following symptoms, contact "Repairs (Japanese only)" at the back of this manual or a repair counter specified by DOCOMO.

Symptom	Check
Power does not turn ON	• Is the battery pack inserted correctly? • Is the battery pack charged?
Cannot charge (Charging light does not turns on or blinks)	• Is the battery pack inserted correctly? • Is the adapter power plug correctly connected to an electric outlet or cigarette lighter socket? • Is the adapter connected to the FOMA terminal correctly? • If the AC adapter (optional) is used, is the AC adapter connector connected to the FOMA terminal or desktop holder (optional) correctly? • If the desktop holder is used, are the charging terminals of the FOMA terminal clean? If dirty, clean with a dry cloth or cotton swab. • If a call or communication is made or operations of other functions are performed for a long time while charging, the FOMA terminal may become hot and the charging light may blink. In this case, charge again after the FOMA terminal cools down.

Others

Symptom	Check
Becomes hot during operations or charging	• The FOMA terminal, battery pack, or adapter may become hot during operations or charging, or when using i-αppli, videophone function, etc. for a long time while charging. This is not a safety hazard, so, you can continue to use them.
Battery usage time is short	• Is the FOMA terminal left with the out of service area condition for a long time? As the FOMA terminal searches for radio wave to make communication possible under the out of service area condition, more electricity is consumed than usual. • The battery pack usage time differs depending on the ambient environment or the degradation level. • The battery pack is a consumable. The available usage time shortens every time the battery pack is recharged. If the usage time becomes extremely shorter than at the time of purchase even if the battery pack is fully charged, purchase the specified battery pack.

Symptom	Check
Power turns off or automatic restart occurs	• If the battery pack terminal is dirty, the contact may become poor and the power may be turned off. If it is dirty, clean with a dry cloth or cotton swab.
Keys do not respond	• Is Lock all set?
UIM is not recognized	• Is the UIM installed in the right direction?
Calls cannot be made with dial keys	• Is Dialing call lock set? • Is Lock all set? • Is Self mode set?

Cannot talk ("圏外" does not disappear even when you move, or making/ receiving calls is unavailable although radio wave is strong enough)	• Turn the power off and on, or remove and install battery pack or the UIM. • Even when "FOMA terminal is not out of service area" or "signal strength is shown as Y⊪", calls may not be made or received due to the type of radio waves. Move to other place and call again. • Is incoming restriction such as Reject on list or Accept/Reject call set? • Depending on crossing of radio waves, calls or mails are crossed at the crowded places and connection status may not be good. In this case, "Please wait for a while" appears and the caller hears a busy tone. Move to other place or call again later.
Cannot use Osaifu-Keitai	• While removing the battery pack or setting Omakase Lock, IC card functions become unavailable regardless of IC card lock settings. • Is the IC card lock set? • Is ⚏ mark on the FOMA terminal held over a scanning device?

Warranty and After-Sales Service

Warranty

• Be sure to receive a warranty at the time of purchase of the FOMA terminal. Read contents of the warranty and confirm information such as "shop name and date of purchase" and keep it in a safe place. If necessary items are not described, immediately contact the shop of purchase. The warranty for free repair is valid for one year from the date of purchase.

• This product and its accessories are subject to change, in part or whole, for improvement without prior notice.

After-sales service

●**For problems with your FOMA terminal**

Before asking repairs, check "Troubleshooting" in this manual or "Guide (Japanese only)" installed in this FOMA terminal. If the problem still persists, contact "Repairs (Japanese only)" at the back of this manual and consult them.

●For repairs after inquiry

Bring your FOMA terminal to a repair counter specified by DOCOMO. Repairs are accepted during business hours of a repair counter. Note that it may take some days to repair the terminal depending on the malfunction state.

■During the warranty period
- The FOMA terminal is repaired at no charge under the conditions of the warranty.
- Make sure to bring the warranty for repair. You will be charged even during the warranty period if the warranty is not presented or the trouble or damage is caused by your inappropriate handling (such as damage to LCD or connector, etc.).
- You will be charged even during the warranty period if malfunction is caused by the use of devices and consumables other than those specified by DOCOMO.

■Repair may not be possible in the following cases
- When a repair counter judges the cause of malfunction is exposure to water (Example: when the waterproof sticker reacts)
- When, as the result of inspection, corrosion is found due to exposure to water, condensation or sweat, or any of the internal boards are damaged or deformed (damage to the external connector terminal (headphone/microphone terminal), LCD, or cracked body could be the case as well)
- * Since these conditions are outside the scope of the warranty, any repairs, if at all possible, will be charged.

■After expiration of the warranty
- All repairs that are requested are charged.

■Replacement parts
- Replacement parts (parts required to maintain production function) will be kept in stock for four years in principle after termination of production. However, repair may not be possible due to a lack of replacement parts depending on the failure part.

●Notes
- Do not modify the FOMA terminal or its accessories.
  - Depending on the details of modification, repair may be refused. Modifications may include the following cases:
    - Put a sticker on LCD or keys
    - Add a decoration to the FOMA terminal with adhesive
    - Replace exterior with one other than DOCOMO genuine products
  - Repair of malfunction or damage caused by modification is charged even during the warranty period.
- Do not remove the nameplate placed on the FOMA terminal.
  If the details described on the nameplate cannot be checked, repair may be refused as we cannot verify the conformity of the product to the technical standard.
- The settings of various functions and information such as total call time may be cleared (reset) by malfunction, repair or other handling of FOMA terminal. In such a case, make settings again.

Others

• The parts generating magnetism are used in the following portions of the FOMA terminal. Note that the card may become unusable if placing a magnetism-sensitive object such as cash card near the FOMA terminal.

Portions: Speaker and earpiece

• If the FOMA terminal gets wet or moist, immediately turn the power off and remove the battery pack, and then visit a repair counter. Depending on the conditions of the FOMA terminal, repair may not be possible.

i-mode Fault Diagnosis site

Check whether your FOMA terminal is properly sending/receiving mails, downloading images/melodies. As a result of your check, if you think that the FOMA terminal is malfunctioning, contact "Repairs (Japanese only)" at the back of this manual.

• How to access "ｉモード故障診断サイト (i-mode fault diagnosis site)" (Japanese only)

i-mode site: iMenu ▶ お知らせ (Information) ▶ サービス・機能 (Service/Function) ▶ ｉモード (i-mode) ▶ ｉモード故障診断 (i-mode fault diagnosis)

QR code for accessing the site

• No packet communication charges apply for i-mode fault diagnosis.

* Charges apply when accessing from overseas.

Updating Software

Update the FOMA terminal software by packet communication when it is necessary.

* Packet communication charges do not apply.

For information on updating software, check the DOCOMO website and "お客様サポート (user support) in iMenu (Japanese only). "auto-update", "Now update", and "Reserve" are available for updating software.

・ Software can be updated with data such as Phonebook entries, camera images, downloaded data retained in the FOMA terminal. Note that, however, such data may not be protected depending on the conditions of the FOMA terminal (malfunction, damage, exposure to water, etc.). It is recommended that you make a backup of important data. Note that some data such as downloaded data cannot be backed up.

Before updating software

・ Do not remove the battery pack while updating software. Failure of updating software may result.
・ Fully charge the battery pack before updating software.
・ Software update (downloading or rewriting) may take time.
・ You cannot make or receive calls, use communication functions or other functions while updating software. (You can receive voice calls while downloading.)
・ It is recommended to update software in a location with strong signal reception with three antenna bars displayed while you are not moving. During software download, if signals become weak, or download is suspended, retry software update in a location with strong signal reception.
・ When updating software, the information of your FOMA terminal (such as model name or serial number) is automatically sent to the server (software update server managed by DOCOMO). DOCOMO does not use the sent information for other purposes than for software update.
・ If software update fails, the message, "Rewrite failed", appears and all operations become unavailable. In this case, you need to bring the FOMA terminal to a repair counter specified by DOCOMO.
・ Software update is unavailable overseas.

Others

How to update software

To start software update, select 📲 (update notice icon) displayed on the Stand-by display, or perform from the menu screen.

1 To select 📲 (update notice icon)

Stand-by display ▶ ▣ ▶ Use Navigation key to move the cursor to 📲 (update notice icon) ▶ ▣ ▶ "Yes" ▶ Enter the Terminal security code
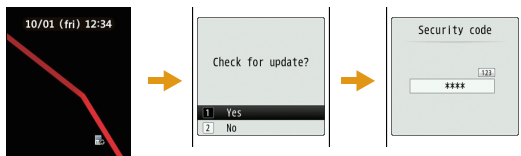
To perform from the menu screen

Stand-by display ▶ MENU ▶ "Settings" ▶ "Other" ▶ "Software Update" ▶ Enter the Terminal security code ▶ "Update"

Communication starts and check for software update.

· If update is necessary, the software update confirmation screen appears.
· If update is not required, "No update is needed. Continue to use as before" appears.
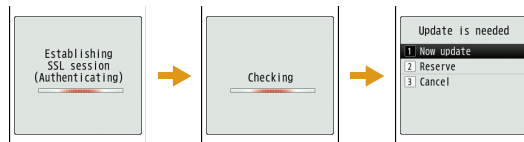
Checking Harmful Data

In data or programs downloaded to the FOMA terminal, detect and delete data that could cause operational malfunction or stop activating applications.

· The scanning function helps to protect the FOMA terminal from invasion of data that cause failure when browsing web pages or receiving mail, etc. If the pattern definition corresponding to each failure is not downloaded or found, the scanning function cannot protect the FOMA terminal.
· Pattern definitions vary depending on the FOMA terminal model. Therefore, DOCOMO may discontinue distribution of pattern definitions for models three years after the release date.

Updating pattern definitions

· First, update the pattern definition to the latest one.

1 **Stand-by display ▶ MENU ▶ "Settings" ▶ "Lock/Security" ▶ "Scanning function" ▶ "Update" ▶ "Yes" ▶ "Yes"**
Updating starts. After update completes, the notification screen appears.
· If the pattern definition is the latest one, the screen notifying that it is the latest appears.

2 **■ [OK]**

Others

Displaying scanned result

●Displaying scanned problem factors

Select "Detail" on the alert level screen to display the problem factor list screen shown on the right.
· The screen image is an example. On the actual screen, the detected data name is displayed in the place of "XXXXXXXX".
· Depending on the type of the detected data, "Detail" may not be displayed.
· When six or more problem factors are detected, subsequent factors after sixth one are omitted and only the total number of factors is displayed.

```
Scanning function
Problem factors
XXXXXXXXXXXX
```
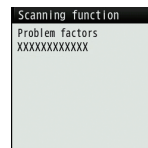
●Displaying scanned result

Alert level 0	Alert level 1	Alert level 2	Alert level 3	Alert level 4
Scanning function Operation may not run properly. OK ✓ Detail	Scanning function Operation may not run properly. Cancel operation? Yes ✓ No Detail	Scanning function Operation may not run properly. Canceling operation. OK ✓ Detail	Scanning function Operation may not run properly. Delete data? Yes No ✓ Detail	Scanning function Operation may not run properly. Deleting data. OK ✓ Detail
"OK": Continue the operation.	"Yes": Stop the operation and exit. "No": Continue the operation.	"OK": Stop the operation and exit.	"Yes": Delete data and exit. "No": Stop the operation and exit.	"OK": Delete data and exit.

· The screen may be different from the above depending on the scanned result.

Introduction of Options and Related Devices

Combine the FOMA terminal with various optional devices to make it more convenient for expanded purposes, from personal to business. Some products may not be available depending on the area.
For details, contact a service counter such as the docomo Shop. For details on optional devices, see the related instruction manuals.

- Battery Pack L06
- Back Cover L18
- Desktop Holder L08
- Flat-plug Stereo Earphone Set P01*1
- Flat-plug Earphone/Microphone with Switch P01*1/P02*1
- Stereo Earphone Set P001*2
- Earphone/Microphone with Switch P001*2/P002*2
- Earphone Plug Adapter P001*1
- FOMA USB Cable*3
- FOMA AC Adapter 01*4/02*4
- FOMA AC Adapter 01 for Global use*4
- FOMA DC Adapter 01/02
- FOMA Indoor Booster Antenna*5
- In-Car Holder 01
- FOMA Dry Battery Adapter 01
- Carry Case 02/L 01

- Bone conduction microphone/receiver*1
- FOMA Portable Charging Adapter 01
- FOMA Indoor Booster Antenna (Stand Type)*5
- FOMA USB Cable with Charge Function 02*3
- Earphone Plug Adapter 01 for External connector terminal
- Earphone/Microphone 01
- Stereo Earphone Set 01
- Earphone Plug Adapter 01

*1 Earphone Plug Adapter 01 for External connector terminal is required to connect to L-04B.
*2 Earphone Plug Adapter P001 and Earphone Plug Adapter 01 for External connector terminal are required to connect to L-04B.
*3 May not work properly if you use a USB HUB.
*4 Charging with the AC adapter→P19
*5 For domestic use only.

Appendix

Menu List

Items indicated by ■ return to the default when executing "Reset settings".→P35

●**Mail**

Inbox	Inbox
	MessageR
	MessageF
Compose Message	
Unsent Message	
Outbox	Outbox
Check New Messages	
Receive Option	
SMS	Compose SMS
	Check new SMS
Template	

Mail Setting	Communication
	Display
	Mail group
	Auto sort
	SMS
	Edit
	Others

●**i-mode**

iMenu	
Bookmark	
Screen Memo	
Last URL	
Go To Location	Input address
	URL history
i-Channel	i-Channel list
	Ticker setting
	Reset i-Channel
MessageR/F	Inbox
	MessageR
	MessageF

Others

Check New Messages	
i-mode Setting	Communication
	Image&Effect set.
	i-motion setting
	Home
	Certificates
	Other
Full Browser	Home
	Bookmark
	Last URL
	Go to location
	Full Browser Settings

●i-αppli

Software List	
i-αppli Info	Security error history
	Auto start info
	Trace info
	Standby error info

i-αppli Settings	Display SW info
	Auto start set
	End stand-by display

●Phonebook

Add To Phonebook	
Search Phonebook	
No. Of Phonebook	
Phonebook Settings	Default mode
	Create domain list
	Accept/Reject list
Group Settings	
Call/Mail History	Received calls
	Redial
	Received mails
	Sent mails
Call Duration	
Call Costs	Check call costs
	Set call cost limit
	Delete call cost icon

Others

●Data Box

My Picture	i-mode
	Camera
	Decomail picture
	Decomail picto
	Preinstalled
	Item
	Data transfer
	Slide show
	microSD
	Search by i-mode
Music	i-mode
	Playlists
	Movablecontents
	Resume play
	Transferred from PC
	SD-Audio
	Search by i-mode
Music & Video Ch	Distributed program

i-motion	i-mode
	Camera
	Preinstalled
	Playlists
	Data transfer
	microSD
	Search by i-mode
Melody	i-mode
	Preinstalled
	Data transfer
	microSD
	Search by i-mode
Kisekae Tool	i-mode
	Preinstalled
	Search by i-mode

Others

●Music

Music Player	All songs
	Playlists
	Artist
	Genre
	Album
	Resume play*
Music & Video Ch	Program 1
	Program 2
	Set program
	Program list
	About this service

* "Now playing" is displayed during music playback. Select this to display the Player screen for currently played music.

●LifeKit

Bar Code Reader	
Receive Ir Data	Receive
	Receive all
MicroSD	PIM
	Data update
	Memory info.
	Reset microSD
Data Security Service	Connect to center
	Exchanging history
	Sndg img in phonebook
Check FOMA HIGH-SPEED Area	
Schedule	
Alarm	
Text Memo	
To Do List	
Other	World time
	Calculator
	Unit converter
	Remembering dates
	Stopwatch

●Media

Muvee Studio	
Record Message	Record msg. setting
	Record msg. list
Document Viewer	microSD
	Subway map
Dictionary	
Game	

●Camera

Photo-Mode
Movie-Mode
Bar Code Reader

●Settings

Sounds & Vibration	Select ring tone
	Select effect tone
	Volume
	Vibrator
	Manner mode set
	Mail ring duration
	Set mute ring(sec.)
	Headset usage setting
Display	Stand-by display
	Kisekae Tool
	Color theme
	Call & Mail image
	Wake-up display
	Quick dial
	Lighting LED
	Backlight

Others

Call/VT/Dialing	Incoming call
	Videophone
	Call feature
	Self mode
	Prefix dial
	Sub address setting
	Headset
Lock/Security	Lock
	Secret mode
	Display Call/Mail logs
	Auto key lock
	Change security code
	PIN code
	Scanning function

NW Services	Voice mail
	Call waiting
	Call forwarding
	Chaku-moji
	Nuisance call blocking
	Caller ID notification
	Caller ID request
	Set in-call arrival act
	Arrival call act
	Other
International Dial	Auto assist
	IDD prefix
	Auto Int'l dial
	Country code list

International Roaming	Network
	Voice mail(Int.)
	Call forwarding(Int.)
	Remote access setting(Int.)
	Caller ID request(Int.)
	Roaming guide(Int.)
	Call barring
	Missed call notification for roaming setting(Int.)
	Int'l Service Guide
Date & Time	Set Date&Time
	Date&Time format
	Hour indication
マルチリンガル (Select Language)	
Other	Character input
	Memory status
	eco mode
	Reset/Clear
	Software Update
	USB mode setting
	Battery level

●Own Number

Own number

●Osaifu-Keitai

IC Card Content
DCMX
IC Card Lock Set
Search By i-mode

Main Specifications

●Phone

Model name			L-04B
Dimensions (H X W X D)			Approx. 132mm X Approx. 49mm X Approx. 11.0mm
Weight			Approx. 100g (with battery pack installed)
Continuous stand-by time	FOMA/3G	3G/GSM setting: 3G	Moving: Approx. 340 hours
		3G/GSM setting: AUTO	Stationary: Approx. 390 hours Moving: Approx. 240 hours
	GSM	3G/GSM setting: AUTO	Stationary: Approx. 280 hours
Continuous call time	FOMA/3G		Voice call: Approx. 220 minutes Videophone: Approx. 100 minutes
	GSM		Voice call: Approx. 220 minutes
Charging time			AC adapter: Approx. 210 minutes DC adapter: Approx. 210 minutes

LCD	Type	TFT 262,144 colors
	Size	Approx. 2.4 inches
	Pixels	76,800 pixels (240 dots X 320 dots)
Image pickup device	Type	CMOS
	Size	1/5.0 inches
	Effective pixels	Approx. 3.1 Mega pixels
Camera	Recorded pixels (maximum)	Approx. 3.1 Mega pixels
	Zoom (Digital)	Up to approx. 1.6 times (For still image) Up to approx. 1.6 times (For moving picture)
Storage	Number of recordable still images	Approx. 177*1 (Default)
	Continuous shooting	CIF (352 X 288): 4 Wallpaper (240 X 320) / QCIF (176 X 144) / Sub-QCIF (128 X 96) / Phonebook (96 X 80): 6
	Still image file format	JPEG
	Moving picture recording time	Approx. 60 minutes*2
	Moving picture file format	MP4

Others

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Music playback	Continuous playback time	SD-Audio (Supports background playback): Approx. 500 minutes[3] Chaku-Uta Full® (Supports background playback): Approx. 600 minutes[3] i-motion[4]: Approx. 180 minutes[3] WMA file (Supports background playback): Approx. 550 minutes Music&Video Channel: Music: Approx. 600 minutes (Supports background playback) Video: Approx. 180 minutes
Capacity	Chaku-Uta®/ Chaku-Uta Full®	Approx. 175MB[5] (Default)

*1 Select size: Wallpaper (240 X 320) Quality: Normal File size: 25K
*2 Maximum recording time per moving picture saved under following conditions:
  Select size: Sub-QCIF Size restriction: No restriction
  Quality: Normal Type: Sound+Video
*3 File format: AAC
*4 Sound only i-motion
*5 Shared with Music&Video Channel

●Battery pack

Model name	Battery Pack L06
Battery type	Lithium ion battery
Nominal voltage	3.7V
Nominal capacity	900mAh

●Maximum number of savable items on the FOMA terminal

Type		Max. number of savable items
Phonebook		1,000[1]
Schedule	Schedule	200
	Holiday	100[2]
Mail[3]	Inbox[4]	1,000
	Outbox/Unsent message	500
Bookmark	i-mode	100
	Full browser	100
Screen memo		50
i-αppli		100[5]
Data Box	Image[6]	2,000[5]
	Moving picture/i-motion	2,000[5]
	Melody	2,000[5]
	Kisekae Tool	2,000[5]

*1 Up to 50 entries can be saved on the UIM.
*2 Includes holidays set by default.
*3 Total number of i-mode mail and SMS
*4 Includes "♪ Welcome Mail ♪", "デコメをプレゼント 💌", and "Welcome NEW ドコモwebメール 💌" (Japanese only) saved in "Inbox" folder.
*5 Includes pre-installed data.

*6 Up to 30 slide shows can be saved. (This number is included within 2,000, which is the maximum number of savable images.)

Specific Absorption Rate (SAR) of Mobile Phone

Mobile phone L-04B meets the MIC's* technical regulation for exposure of radio waves. This technical regulation has been established based on scientific studies so that radio waves emitted from radio devices such as mobile phones used near a human head give no bad influence to the human health. It defines that Specific Absorption Rate (SAR), representing the average amount of energy of radio waves absorbed to a temporal part of human body, should not exceed a permissible value of 2W/kg**. This permissible value includes a substantial safety margin designed to assure the safety of users, regardless of the age, body size and other conditions of individuals and is equal to the international guideline recommended by ICNIRP*** which has cooperative relationships with World Health Organization (WHO).
All mobile phones should be confirmed to comply with the governmental regulation according to Radio Law before they are released. The SAR value of L-04B is 0.781W/kg. This value has been acquired by Telecom Engineering Center (TELEC) and is the maximum value of those measured under the maximum transmission power of the mobile phone in the procedure defined by the government. Though there may be some differences in SAR value among individual products, they all meet the technical regulation. In addition, mobile phones are designed to have the lowest transmission power required for communication with base stations; therefore, the SAR value during actual phone operation becomes smaller. SAR value of this mobile phone meets the regulations of individual countries where it is available.

For further information about SAR, visit 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/
LG Mobile
: http://jp.lgmobile.com/

*   Ministry of Internal Affairs and Communications
**   The technical regulation is defined in Article 14-2 of the Ministry Ordinance Regulating Radio Equipment.
***   International Commission on Non-Ionizing Radiation Protection

Others

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 1.6W/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 0.30W/kg, and when worn on the body, is 0.51W/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 http://www.fcc.gov/oet/ea/fccid/ after search on FCC ID BEJL04B.
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 2.5 cm from the body.

---

* 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.

Declaration of Conformity

The product "L-04B" 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.

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 1.37W/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.

Important Safety Information

AIRCRAFT

Switch off your wireless device when boarding an aircraft or whenever you are instructed to do so by airline staff. If your device offers a 'flight mode' or similar feature consult airline staff as to whether it can be used on board.

DRIVING

Full attention should be given to driving at all times and local laws and regulations restricting the use of wireless devices while driving must be observed.

HOSPITALS

Mobile phones should be switched off wherever you are requested to do so in hospitals, clinics or health care facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

PETROL STATIONS

Obey all posted signs with respect to the use of wireless devices or other radio equipment in locations with flammable material and chemicals. Switch off your wireless device whenever you are instructed to do so by authorized staff.

INTERFERENCE

Care must be taken when using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 15cm be maintained between a mobile phone and a pacemaker to avoid potential interference with the pacemaker. To achieve this use the phone on the opposite ear to your pacemaker and do not carry it in a breast pocket.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

For other Medical Devices:

Please consult your physician and the device manufacturer to determine if operation of your phone may interfere with the operation of your medical device.

Export Administration Regulations

This product and its accessories may fall under the category of application of Japan Export Control Regulations ("Foreign Exchange and Foreign Trade Law" and relevant laws and regulations). U.S. Re-export Regulations (Export Administration Regulations: EAR) is applied to this product and its accessories. If you export or re-export this product or its accessories, please follow the necessary procedures at your own risk and expense. For details on the procedures, contact the Ministry of Economy, Trade and Industry or the U.S. Department of Commerce.

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Others

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- This manual abbreviates operating systems (Japanese version) as follows:
  - Windows 7 is the abbreviation of Microsoft® Windows® 7 (Starter, Home Basic, Home Premium, Professional, Enterprise, and Ultimate).
  - Windows Vista is the abbreviation of Windows Vista® (Home Basic, Home Premium, Business, Enterprise, and Ultimate).
  - Windows XP is the abbreviation of Microsoft® Windows® XP Professional operating system or Microsoft® Windows® XP Home Edition operating system.
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- Licensed by QUALCOMM Incorporated under one or more of the following United States Patents and/or their counterparts in other nations;

4,901,307	5,504,773	5,109,390	5,535,239
5,267,262	5,600,754	5,416,797	5,490,165
5,101,501	5,511,073	5,267,261	5,568,483
5,414,796	5,659,569	5,056,109	5,506,865
5,228,054	5,544,196	5,337,338	5,657,420
5,710,784	5,778,338		

Others

Index

Others

Others

Others

96

You can view/change your contract contents, subscribe to services, and request information materials on the Internet.

From i-mode iMenu▶お客様サポート (user support)▶お申込・お手続き (subscriptions & procedures)▶各種お申込・お手続き (Respective subscriptions & procedures) | Packet communication charges free | (Japanese only)

From PC My docomo (http://www.mydocomo.com/)▶各種お申込・お手続き (Respective subscriptions & procedures) (Japanese only)

* "Network security code" is required for the access from i-mode.
* No packet communication charges apply for the access from i-mode. Charges apply for the access from overseas.
* "docomo ID and password" are required for the access from a PC.

* If you do not have or you have forgotten your "Network security code" or "docomo ID/password", contact "General Inquiries" at the back of this manual.
* You may not be able to access the site depending on the content of your subscription.
* You may not be able to access the site due to system maintenance, etc.

Using mobile phones with your manners!

Please be considerate of others around you when using a mobile phone in a public place.

Always turn OFF your FOMA terminal in the following situations:

■ In a place where the use of mobile phones is prohibited
・Be sure to turn off your FOMA terminal on an airplane, in a hospital, or near priority seats on a train, etc.

In the following situations, be sure to set Public mode

■ While driving
・Using the mobile phone in your hand while driving is subject to punishment.

■ When you are in a public place such as theater, movie theater, or museum

Be considerate of privacy

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

Environmental activities by DOCOMO

Slimming down of instruction manual

In the Japanese instruction manual, by explaining operations of basic functions, the instruction manual was slimmed down and the amount of paper usage was reduced.
Check Guide (installed in this FOMA terminal, Japanese only) or DOCOMO website for frequently used functions or detailed operations.

Collecting and recycling of mobile phones

Mobile phone and PHS operators collect and recycle used telephones, battery packs, and battery chargers at shops bearing the mark on the left regardless of brand and manufacture to protect the environment and reuse valuable resources. Bring them nearby docomo Shop.

General Inquiries <docomo Information Center>

(Business hours: 9:00 a.m. to 8:00 p.m.)

0120-005-250 (toll free)

* Service available in: English, Portuguese, Chinese, Spanish, Korean.
* Unavailable from part of IP phones.

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

■From DOCOMO mobile phones
(In Japanese only)

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

* Unavailable from land-line phones, etc.

■From land-line phones
(In Japanese only)

0120-800-000 (toll free)

* Unavailable from part of IP phones.

●Please confirm the phone number before you dial.
●For Applications or Repairs and After-Sales Service, please contact the above-mentioned information center or the docomo Shop etc. near you on the NTT DOCOMO website or the i-mode site.
▶NTT DOCOMO website http://www.nttdocomo.co.jp/english/   ▶i-mode site iMenu ⇒ お客様サポート (user support) ⇒ ドコモショップ (docomo Shop) * In Japanese only

Repairs

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

■From DOCOMO mobile phones
(In Japanese only)

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

* Unavailable from land-line phones, etc.

■From land-line phones
(In Japanese only)

0120-800-000 (toll free)

* Unavailable from part of IP phones.

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

(available 24 hours a day)

■From DOCOMO mobile phones

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

* You are charged a call fee to Japan when calling from a land-line phone, etc.
※ If you use L-04B, you should dial the number +81-3-6832-6600
(to enter '+', press and hold the '0' key for at least one second).

■From land-line phones <Universal number>

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

* You might be charged a domestic call fee according to the call rate for the country you stay.
※ For international call access codes for major countries and universal number international prefix, refer to DOCOMO International Services 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 L-04B, you should dial the number +81-3-6718-1414
(to enter '+', press and hold the '0' key for at least one second).

■From land-line phones <Universal number>

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

* You might be charged a domestic call fee according to the call rate for the country you stay.
※ For international call access codes for major countries and universal number international prefix, refer to DOCOMO International Services 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 to others around you.

Sales: NTT DOCOMO, INC.
Manufacturer: LG Electronics Inc.

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

Li-ion00

2010.5 (1.1 Edition)
MMBB0383006

L-04B Manual for PC Connection

Configuring Communication Settings Using DOCOMO Connection Manager

Configuring Communication Settings without Using DOCOMO Connection Manager

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About Manual for PC Connection

This manual explains the items required for making data communication on the L-04B as well as how to install "L-04B 通信設定ファイル（ドライバ）(L-04B Communication Setting Files (Driver))" and "ドコモ コネクションマネージャ (DOCOMO Connection Manager)" inside the CD-ROM. Some procedures and displays in this manual may differ depending on your operating environment.

Data Communication

Data Communication Available with the FOMA Terminal

When you connect your FOMA terminal to a PC, you can use data communication via packet communication as well as data transmission (OBEX™ Communication).

● The FOMA terminal does not support 64K data communication.
● The FOMA terminal does not support Remote Wakeup.
● The FOMA terminal does not support FAX communication.
● The FOMA terminal does not support DOCOMO's PDA "sigmarion III".

Data Transmission (OBEX™ Communication)

You can exchange data such as images, songs, Phonebook entries, or mail with another FOMA terminal or a PC.

L-04B   Infrared communication   PC

L-04B   microSD Card   PC

• FOMA USB Cable with Charge Function 02 (optional)
• microSD Card
• DOCOMO keitai datalink*

* This FOMA terminal cannot send images to a PC.
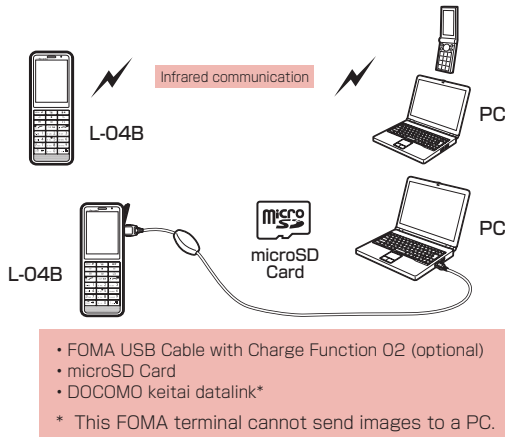
Note
• If all data is unable to be forwarded due to communication suspension while receiving all data by the FOMA terminal, delete all data in the FOMA terminal and then perform the operation again.

Packet Communication

Communication charges[1] are based on the amount of data sent and received. It is suitable for use to exchange data only when you want while keeping the network connected. DOCOMO provides a best-effort service in which communication speeds change in response to the communication environment and network congestion.
Using an access point of DOCOMO internet connection service such as "mopera U" allows you to use high-speed communication at the maximum rate of 7.2Mbps for receiving and 384kbps for sending (based on best-effort connection)[2].

[1] Communication charges become high when you exchange a large amount of data.
[2] • The maximum speed of 7.2Mbps for receiving and 384kbps for sending are theoretical values and they do not mean the actual performance. The actual performance depends on your communication environment and network congestion.
  • If you connect to an area which is out of the FOMA HIGH-SPEED Area or an access point that does not support HIGH-SPEED, the performance may be lower.

L-04B can use an access point that supports 3G or GPRS packet communication to perform data communication even while in overseas.

1

Precautions before Use

Internet Service Provider Fees

Fees to an Internet service provider (ISP) are required to connect to the Internet. These connection fees, paid to the ISP, are separate from the FOMA service fees. For detailed information on connection fees, contact your ISP.
You can use DOCOMO Internet connection service "mopera U". A separate subscription (fee-based) is required to use "mopera U".

Setting the Internet Connection

For packet communication, use an access point compatible with packet communication.

● DoPa access points cannot be connected.
● For service contents of "mopera" and its connection settings, visit "mopera" web site.
  http://www.mopera.net/mopera/index.html (Japanese only)

Conditions for Packet Communication

The following conditions* are required to connect the FOMA terminal to a PC to perform communication. However, even if the conditions are met, communication may still not be possible depending on the amount of traffic at the base station or signal strength.

● FOMA USB Cable with Charge Function 02 (optional) must be available on the PC.
● The FOMA terminal must be in the FOMA service area.
● The access point must support FOMA packet communication.
* These conditions are for domestic use in Japan.

Before Using Data Communication

Operating Environment

The following operating environment is required for a PC to use data communication.

● For the latest information on operating environment, check DOCOMO web site.

Item	Requirements
PC main unit	• PC/AT compatible device with a CD-ROM-capable drive • USB port (Universal Serial Bus Specification Rev1.1/2.0 compliant) • Display resolution of 800x600 dots*5, High Color (65,536 colors) or higher recommended
OS*1	• Windows 7 (32-bit/64-bit) • Windows Vista (32-bit/64-bit) • Windows XP
Required memory*2	• Windows 7 (32-bit): 1GB or more • Windows 7 (64-bit): 2GB or more • Windows Vista: 512MB or more • Windows XP: 128MB or more
Hard disk space*2 *3	• Available space of 5MB or more
Web browser*4	• Internet Explorer 6.0 or later
E-mail software*4	• Windows Mail and Outlook Express 6.0

*1 The operation on an upgraded OS cannot be guaranteed.
*2 Required memory or hard disk space may vary depending on the PC system configuration.
*3 For DOCOMO Connection Manager, 10MB or more is required.
*4 Required only for DOCOMO Connection Manager.
*5 For DOCOMO Connection Manager, the display resolution of 1024x768 dots or higher is recommended.

2

● The recommended browser for using the menu is Microsoft Internet Explorer 7.0 or later.
Perform the following steps if the menu does not appear after the CD-ROM is inserted in the drive:
① Click " ● スタート (Start)" ▶ "コンピューター (Computer)".
■ For Windows Vista
Click "● スタート (Start)" ▶ " コンピュータ (Computer)".
■ For Windows XP
Click "スタート (Start)" ▶ "マイコンピュータ (My Computer)".
② Right-click the CD-ROM icon ▶ Select "開く (Open)"
③ Double-click "index.html"
* For Windows XP, the recommended browser is Microsoft Internet Explorer 6.0 or later.
● A warning screen may appear if you insert the supplied CD-ROM into the PC's CD-ROM drive. This warning appears as a result of a security setting of Microsoft Internet Explorer, however, there is no problem. Click [はい (Yes)].

Required Devices

To use data communications, the following devices and software are required in addition to the FOMA terminal and a PC:
● FOMA USB Cable with Charge Function 02 (optional) or FOMA USB Cable (optional)
● CD-ROM for L-04B (supplied)

Note
 ・ Purchase the exclusive FOMA USB Cable with Charge Function 02 or FOMA USB Cable.
  A generic USB cable for PC is not available because it does not fit the FOMA USB connector.
 ・ The FOMA terminal may not work properly with a USB HUB.

Flow of Setup for Data Transmission (OBEX™ Communication)

Install the L-04B communication setting files to use the FOMA USB Cable with Charge Function 02 (optional).

Download and install the L-04B communication setting files
・ Install them using supplied CD-ROM
or
・ Download and install from the DOCOMO web site

Data transfer

Flow of Setup for Data Communication

The flow for preparing to connect the FOMA terminal and a PC for performing packet communication is as follows.

Check that "USB mode setting" of the FOMA terminal is set to "Communication mode"→P5

⬇

Connect the FOMA terminal and a PC using the FOMA USB Cable with Charge Function 02 (optional)→P5

⬇

Download and install the L-04B communication setting files

• Install them using supplied CD-ROM

or

• Download and install from the DOCOMO web site

⬇

Check after installation→P8

Install DOCOMO Connection Manager and set up with it →P11

Set up without DOCOMO Connection Manager→P16

⬇

Connect→P25

L-04B communication setting files and DOCOMO Connection Manager

L-04B Communication Setting Files (Driver)
This software (driver) is required for packet communication or file transfer when the FOMA terminal and a PC are connected using the FOMA USB Cable with Charge Function 02.

DOCOMO Connection Manager
This software facilitates simple configuration or the settings for a packet communication access point (APN), dial-up connection, etc.

Connecting the FOMA Terminal and a PC

This section explains how to connect the FOMA terminal and a PC using the FOMA USB Cable with Charge Function 02 (optional).

USB mode setting

Setting the USB Mode

Set the FOMA terminal's "USB mode setting" to "Communication mode".

1 MENU ▶ "Settings" ▶ "Other" ▶ "USB mode setting"

```
USB mode setting
1 Communication mode ✓
2 microSD mode
3 MTP mode
```
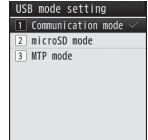
2 "Communication mode"

Connect the FOMA Terminal and a PC Using the FOMA USB Cable with Charge Function 02 (optional)

1 Open the external connector terminal cover (❶) of the FOMA terminal and hold the external connector of the FOMA USB Cable with Charge Function 02 so that the label is facing upwards and insert the connector straight into the terminal until it clicks (❷)

2 Plug the USB connector of the FOMA USB Cable with Charge Function 02 to a USB port on the PC (❸)

USB connector

Release button

External connector
(Label side up)

Release button

5
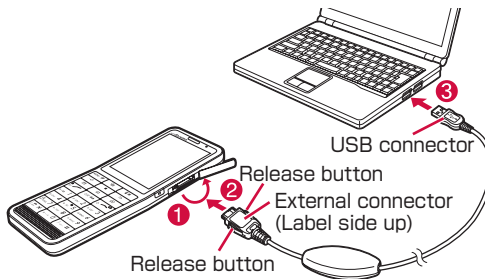
① To unplug the external connector of the FOMA USB Cable with Charge Function 02 (optional), pull it straight out while pressing the release buttons of the connector (❶)

USB connector

Release button
External connector
(Label side up)

Release button
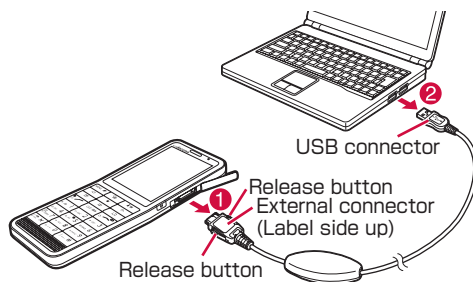
② Unplug the FOMA USB Cable with Charge Function 02 from the USB port of the PC (❷).

Note

- Do not unplug the FOMA USB Cable with Charge Function 02 during data communication because doing so will cause communication to be cut off, or an operation failure or data loss.
- Do not connect FOMA USB Cable with Charge Function 02 to the connector by sheer strength. Doing so may result in malfunction. The connectors must be inserted with the correct orientation and angle. With correct orientation and angle, the connectors can be plugged smoothly without requiring excessive force. If you cannot connect the cable easily, do not use excessive force. Check the orientation, angle and shape of the connectors again.
- Do not apply excessive force to disconnect the FOMA USB Cable with Charge Function 02. Using excessive force may result in malfunction.

Cautions when Installing/Uninstalling

Keep the following in mind when installing or uninstalling L-04B communication setting files (Driver) or DOCOMO Connection Manager.

- Make sure to install or uninstall the software from a user account with the administrator privileges. An error will occur if you attempt to install or uninstall them from an account without administrator privileges. For settings and operations regarding PC administrator privileges, contact your PC manufacturer or Microsoft Corporation.
- Before you install or uninstall the software, check that no other software is running. Quit any running software before installing or uninstalling.

■ For Windows 7

If the "ユーザーアカウント制御 (User Account Control)" screen appears, click [はい (Yes)]. For settings and operations regarding PC administrator privileges, contact your PC manufacturer or Microsoft Corporation.

■ For Windows Vista

If the "ユーザーアカウント制御 (User Account Control)" screen appears, click [許可 (Permit)] or [続行 (Continue)], or enter the password, then click [OK]. For settings and operations regarding PC administrator privileges, contact your PC manufacturer or Microsoft Corporation.

Installing the L-04B Communication Setting Files (Driver)

The L-04B communication setting files need to be installed the first time you connect the FOMA terminal and a PC with the FOMA USB Cable with Charge Function 02 (optional).
● Before installing L-04B communication setting files, make sure that the FOMA terminal is unplugged from a PC.
● Make sure to read "Cautions when Installing/Uninstalling" (P6) before starting the operation.

Example: For Windows 7

1 **Insert L-04B CD-ROM into the PC's CD-ROM drive**
The "L-04B CD-ROM" screen appears.

2 Click "データリンクソフト・各種設定ソフト (Data link software/Configuration software)"

3 Click "Windows® 7(32ビット版)用 (Windows® 7 (32-bit version))" on the "L-04B通信設定ファイル(USBドライバ) (L-04B communication setting files (USB driver))" screen
・Select a driver appropriate for your PC.
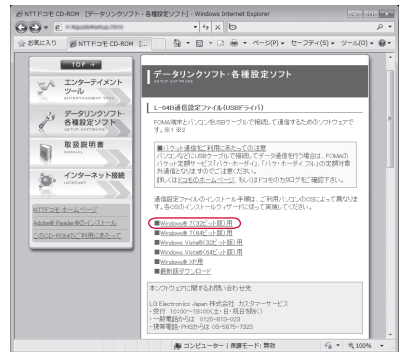
4 Double-click "L04B_32_ins.exe" in the displayed folder and click [はい (Yes)] on the "ユーザーアカウント制御 (User Account Control)" screen
・For Windows Vista, click [続行 (Continue)] on the "ユーザーアカウント制御 (User Account Control)" screen.
・For Windows XP, the "ユーザーアカウント制御 (User Account Control)" screen does not appear.

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5 Click [インストール開始 (Start installation)]

When the installation completion screen appears, click [OK].

FOMA L-04B Installer

FOMA L-04Bドライバのインストールを開始します。
FOMA L-04BとFOMA USB接続ケーブルをご用意ください。

インストール開始   終了
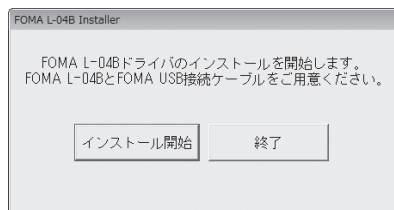
6 Connect the FOMA terminal and a PC

When the PC recognizes the FOMA terminal, a popup appears and the driver is installed.
Check that the L-04B communication setting files are installed correctly.→P8
・ Connecting→P5
・ Connect the FOMA terminal to a PC with the FOMA terminal turned on.

Checking the Installed L-04B Communication Setting Files (Driver)

Check that the L-04B communication setting files are correctly.

Example: For Windows 7

1 Click " スタート (Start)" ▶ "コントロールパネル (Control Panel)" ▶ "システムとセキュリティ (System and Security)"

■ **For Windows Vista**

Click " スタート (Start)" ▶ "コントロールパネル (Control Panel)" ▶ " システムとメンテナンス (System and Maintenance)".

■ **For Windows XP**

Click "スタート (Start)" ▶ "コントロールパネル (Control Panel)" ▶ "パフォーマンスとメンテナンス (Performance and Maintenance)" ▶ "システム (System)".

2 Click "デバイスマネージャー (Device Manager)"

■ **For Windows Vista**

Click "デバイスマネージャ (Device Manager)" ▶ [続行 (Continue)].

■ **For Windows XP**

Click the "ハードウェア (Hardware)" tab ▶ Click [デバイスマネージャ (Device Manager)].

Note

・ The L-04B communication setting files may not be installed properly. In this case, uninstall the L-04B communication setting files first, and install them again.→P10

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3 Click each device name to view the installed driver name

Check that all drivers are displayed in "ユニバーサルシリアルバスコントローラー (Universal Serial Bus controllers)", "ポート (COMとLPT) (Port (COM/LPT))", and "モデム (Modem)".
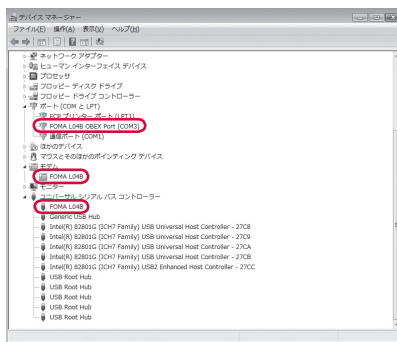
For Windows 7

Device	Driver
ユニバーサルシリアルバスコントローラー (Universal Serial Bus controllers)	FOMA L04B
ポート(COMとLPT) (Port (COM/LPT))	FOMA L04B OBEX Port
モデム (Modem)	FOMA L04B

Checking the FOMA terminal COM port number

The modem name or COM port (communication port) number of the FOMA terminal may be required if you set up communication without using the DOCOMO Connection Manager. This section explains how to check them from the Device Manager screen.

① Connect the FOMA terminal and a PC
  ・ Connecting→P5
② Perform Steps 1 and 2 described in "Checking the Installed L-04B Communication Setting Files (Driver)"
③ Click "モデム (Modems)" ▶ Select "FOMA L04B" ▶ From the menu bar, click [操作 (Action)] ▶ [プロパティ (Properties)] ▶ Click the "モデム (Modems)" tab
  The FOMA terminal COM port number appears on the right side of "ポート: (Port:)".
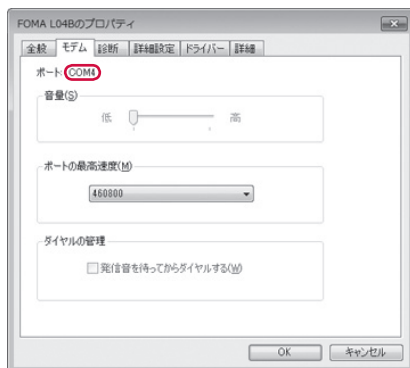
Checking the device icon

When the driver is installed correctly, the device icon is also installed. This section explains how to check whether the L-04B icon is displayed correctly.
・ The device icon function is unavailable for Windows XP and Windows Vista.
① Connect the FOMA terminal and a PC
  When the PC recognizes the FOMA terminal, a popup appears and the driver is installed.
  ・ Connecting→P5
  ・ Connect the FOMA terminal to a PC with the FOMA terminal turned on.
② Click " スタート (Start)" ▶ "デバイスとプリンター (Device and Printer)"
  The device and printer information of the PC appears. Check whether the device information and the device icon of the FOMA terminal are displayed correctly.
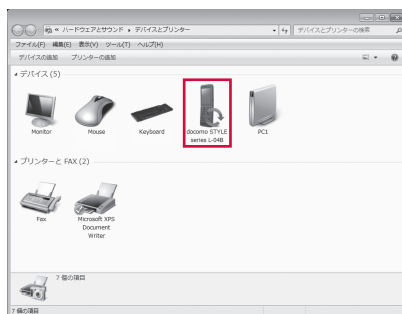
Uninstalling the L-04B Communication Setting Files (Driver)

To uninstall the L-04B communication setting files, perform the following steps.

● Before uninstalling the L-04B communication setting files, make sure that the FOMA terminal is unplugged from your PC.

● Make sure to read "Cautions when Installing/Uninstalling" (P6) before starting the operation.

Example: For Windows 7

1 Click "⚫ スタート (Start)" ▶ "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)"

The "プログラムのアンインストールまたは変更 (Uninstall or change a program)" screen appears.

■ **For Windows Vista**
Click "⚫ スタート (Start)" ▶ "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 or Remove Programs)".

2 Select "FOMA L04B USB" ▶ Click "アンインストールと変更 (Uninstall and Change)"

■ **For Windows Vista**
Select "FOMA L04B USB" ▶ Click "アンインストールと変更 (Uninstall and Change)" ▶ [続行 (Continue)].

■ **For Windows XP**
Select "FOMA L04B USB" ▶ Click "変更と削除 (Change or Remove)".

3 Click [開始 (Start)]

4 Click [OK] on the uninstallation confirmation screen
Uninstallation will be completed.

DOCOMO Connection Manager

"DOCOMO Connection Manager" is convenient software for using the flat-rate data communication and the metered rate data communication. You can subscribe to "mopera U" and easily configure your PC depending on your contract status.
Also, you can check a data traffic and a total amount of spending by using a total cost counter function as a guide.

Do not appear on the default setting. For the detail, see Help for DOCOMO Connection Manager.

Total cost counter

Connect/Disconnect button
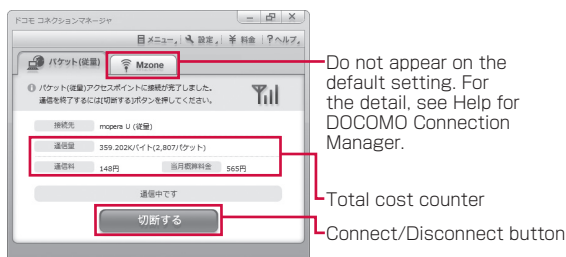
This manual explains up until installing the DOCOMO Connection Manager.

For a connection to the Internet by using the terminal, you need to subscribe to an Internet service provider, such as "mopera U", capable of services and data communication.
For the detail, visit the DOCOMO web site.

> ### Note
> **<Using metered rate data communication (including i-mode packet flat-rate services, etc.)>**
> · Note that using packet communication to perform with a large amount of data such as accessing web sites with images, or data download (example: downloading an application or music/moving picture data, updating OS/anti-virus software) may increase communication charge. Note that data communication by connecting the FOMA terminal to a PC using USB cable is not covered by the FOMA packet flat-rate service, "Pake-hodai" and "Pake-hodai full".
>
> **<Using flat-rate data plan>**
> · To use flat-rate data plan, you need to subscribe to an Internet service provider and rate plan capable of flat-rate data communication. For the detail, visit the DOCOMO web site.
>
> **<Using mopera>**
> · For the connection settings, visit "mopera" web site.
>   http://www.mopera.net/mopera/support/index.html (Japanese only)

Before Installing the DOCOMO Connection Manager

Steps for Installing

① Prepare the FOMA terminal and FOMA USB Cable with Charge Function 02 (optional) or USB Cable

② Check for a contractual coverage and the service of your Internet service provider

③ If there is any connection software other than the DOCOMO Connection Manager, change the settings not to start the program automatically as needed
   · "Using a connection software other than the DOCOMO Connection Manager"→P12

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Internet Explorer settings

Before installing the DOCOMO Connection Manager, make sure to make connection setting to [ダイヤルしない (Never dial a connection)] on the Internet Options setting of the Internet Explorer.

① Start the Internet Explorer, select [ツール (Tools)] ▶ [インターネットオプション (Internet Options)]
② Select [接続 (Connections)] tab, then select [ダイヤルしない (Never dial a connection)]
③ Click [OK]
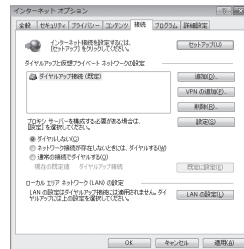
Note

<Using a connection software other than the DOCOMO Connection Manager>

The DOCOMO Connection Manager has equivalent functions of following software so that there is no need of using such software at the same time.

Change the settings not to start or uninstall the following software as needed.

■ Software not required to be used simultaneously

• mopera U start up tool
• mopera U connection & setting tool
• FOMA PC setting software
• FOMA byte counter

When you use Mzone (public wireless LAN connection) using the DOCOMO Connection Manager, uninstall following public wireless LAN connection software.

* If any of the following software is installed, the DOCOMO Connection Manager cannot establish the Mzone connection.

• U public wireless LAN utility software
• DOCOMO public wireless LAN utility software
• DOCOMO public wireless LAN utility program

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1 Log on as a user of the DOCOMO Connection Manager

■ **For Windows 7/Windows Vista**

An administrator account is required. If you log on with an account other than the administrator account, a screen will appear asking to enter a user name and the password during the installation process.

■ **For Windows XP**

You need to log on with one of the Administrators Group accounts or a user of "コンピュータの管理者 (Administrator)" account.

2 Quit all running programs

Quit resident programs on Windows including antivirus software.

• Example: Right-click an icon on a task bar, select [閉じる (Close)] or [終了 (Quit)].

Installing the DOCOMO Connection Manager

1 Start the installer following a navigation of the supplied CD-ROM for L-04B

Select "インターネット接続 (Internet connection)", and then select "インストール (Install)" from "③ ドコモ コネクションマネージャのインストール (③ Install DOCOMO Connection Manager)" in "本CD-ROMからのFOMAデータ通信の設定方法 (Setting the FOMA data communication from this CD-ROM)".
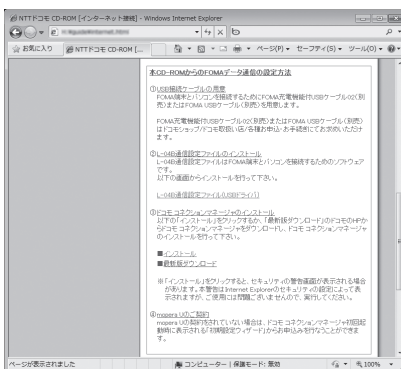
Note

- If MSXML6 · Wireless LAN API is not on Windows XP, before installing the DOCOMO Connection Manager, it must be installed. When a confirmation appears, press [Install] to install the MSXML6 · Wireless LAN API. After the installation is completed and the computer is restarted, the DOCOMO Connection Manager installation starts automatically.

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2 Click [はい (Yes)] for Windows 7, or click [続行 (Continue)] for Windows Vista

- For Windows XP, "ユーザーアカウント制御 (User Account Control)" screen does not appear. The Setup program starts at once.

Windows 7	Windows Vista

13
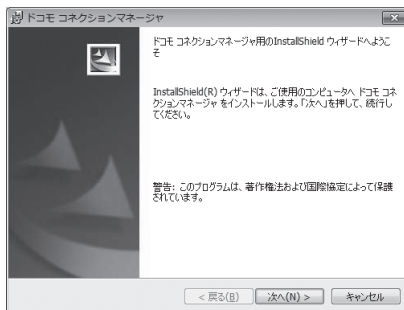
3 Click [次へ (Next)]

4 Read the precautions carefully, then click [次へ (Next)]
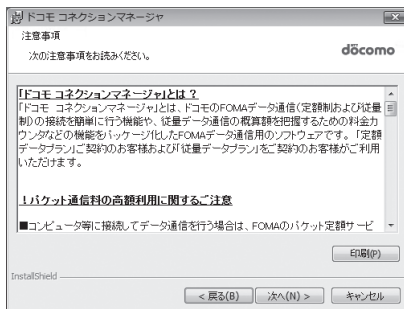
5 Read the license agreement of the DOCOMO Connection Manager and if you agree to the terms, select [使用許諾契約の条項に同意します (I Agree)] and click [次へ (Next)]
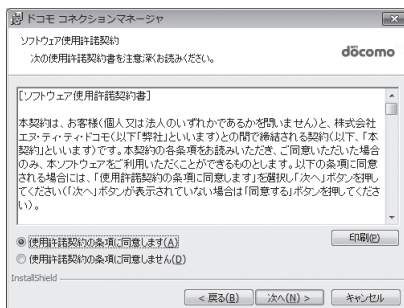
6 Check a destination folder for the installation, click [次へ (Next)]

14
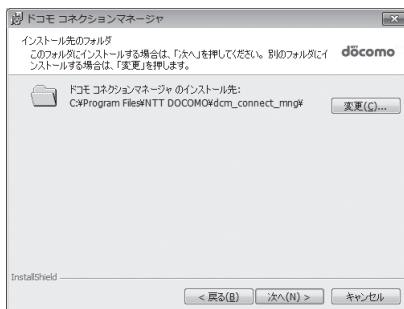
7 Click [インストール (Install)]

The installation starts.
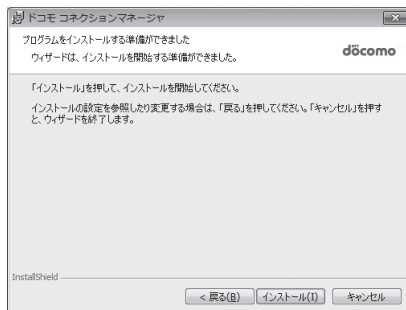
8 Click [完了 (Done)]

Complete the installation process.

Starting the DOCOMO Connection Manager

1 Click " 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)"

Starts the DOCOMO Connection Manager.

■ **For Windows Vista**
Click " 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)".

■ **For Windows XP**
Click "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 When starting for the first time, a configuration wizard appears automatically

By operating/configuring through the wizard thereafter, you will be ready to connect to the Internet. For the detail, see "DOCOMO Connection Manager operation manual".

15
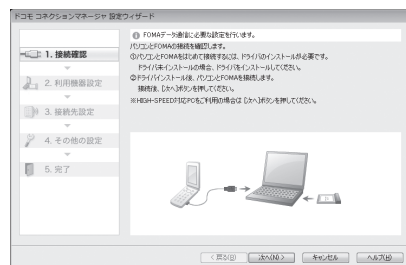
Note

・Exiting the Internet browser or mail software does not terminate the connection. When you do not use the communication, terminate the connection by clicking [切断する (Terminate)] on the DOCOMO Connection Manager.
Note that if Automatic Updating is set for OS update, software may be updated automatically and it may increase communication charge.

Connect/Disconnect
button

Configuring a Dial-up Network

This section describes the steps to configure settings for packet communication without using the DOCOMO Connection Manager.

Setting Access Point (APN)

Set an access point (APN) for packet communication. Up to 11 access points (APN) can be set up and they are managed with a registration number (cid).
Communication software is required to enter AT commands. This section describes the steps necessary for using the "Hyper Terminal" that comes with Windows.

● The registration number (cid) 1 is set to mopera.ne.jp and the registration number 3 is set to mopera.net by default. Use cid2 or from 4 to 11 when setting another access point.
● "Hyper Terminal" does not run on Windows Vista and Windows 7. To configure the settings on Windows Vista and Windows 7, use communication software compatible with Windows Vista and Windows 7. For the setting procedure, refer to the instruction manual and other documentation that come with the software to be used.
● For an access point (APN) other than "mopera U" and "mopera", contact your ISP or network administrator.

Example: For Windows XP

1 Connect the FOMA terminal and a PC
・Connecting→P5

2 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)"
Hyper Terminal starts.

3 Enter a connection name in the "名前 (Name)" field ▶ Click [OK]
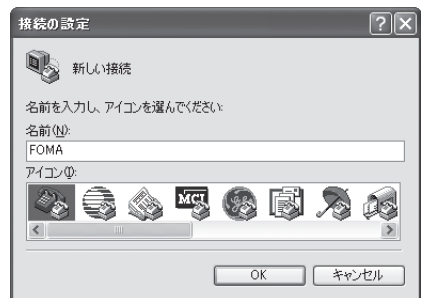
4 Enter a non-existing phone number (such as "0") in the "電話番号 (Phone Number)" field ▶ Check that "FOMA L04B" is displayed for "接続方法 (Connection Method)" ▶ Click [OK]

• If multiple modem names are displayed in the "接続方法 (Connection Method)" field, check the FOMA terminal modem name and select the proper one. →P8
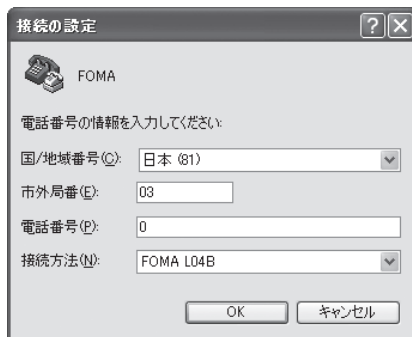
5 Click [キャンセル (Cancel)] on the Connection screen

The Hyper Terminal entry screen appears.

6 Enter an access point (APN) in the following format ▶ Press ↵

AT+CGDCONT=<cid>,"<PDP type>","<APN>" ↵.

Enter the following information in the corresponding <cid>, <PDP type>, and <APN> sections.
If "OK" appears after you enter the information, the access point (APN) has been setup.
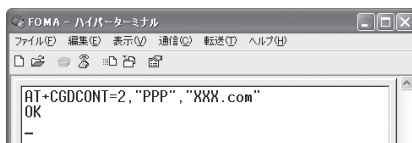
To register an access point with PPP as the PDP type and XXX.com as the APN to cid2

cid   : Enter any number of 2, and between 4 to 11.
             * Note that the old setting information will be overwritten if you select a cid number which has already been set.
PDP type : Select either PPP or IP for the connection method supported by the access point, and then enter the information enclosed with quotation marks " ".
APN   : Enter the access point (APN) enclosed with quotation marks " ".
• If the entered characters do not appear, enter ATE1 ↵.

■ **To reset the access point (APN) settings of the specified cid**
Enter AT+CGDCONT=<cid> ↵.

■ **To view the registered access point (APN)**
Enter AT+CGDCONT? ↵.

7 Click "ファイル (File)" ▶ "ハイパーターミナルの終了 (Exit Hyper Terminal)"

8 Click [はい (Yes)] on the confirmation to disconnect screen ▶ Click [いいえ (No)] on the confirmation to save screen

Hyper Terminal will quit, and the setting of the APN completes.

Note
• The access point (APN) information is saved on the FOMA terminal. If you connect a different FOMA terminal, register the access point (APN) information again.
• If you want to use the access point (APN) information saved on the PC, register the same access point (APN) to the same cid on the FOMA terminal.

Setting to Show/Hide Caller ID

You can set whether to show your caller ID to the access point during packet communication. This section describes how to use an AT command (*DGPIR command→P28) to configure the settings prior to connecting.
Your caller ID is valuable information. Be sufficiently cautious when showing your caller ID.

1 Perform Steps 1 to 5 in "Setting Access Point (APN)" (P16)

Hyper Terminal starts.

2 Use an AT command to set whether to show (186) or hide (184) caller ID

Enter the AT command in the AT*DGPIR=<n> format as follows.
If "OK" appears after you enter the AT command, the setting of whether to show or hide caller ID is completed.
• If the entered characters do not appear, enter ATE1 ⏎.

■ **To hide caller ID**
AT*DGPIR=1 ⏎
When you make or answer a call, 184 is added automatically.

■ **To show caller ID**
AT*DGPIR=2 ⏎
When you make or answer a call, 186 is added automatically.

■ **To reset the show/hide caller ID setting to its default (unset) using a *DGPIR command**
AT*DGPIR=0 ⏎

Note

• When you use the DOCOMO Internet connection service "mopera U" or "mopera", the caller ID needs to be set to "通知 (Show)"

Setting to show/hide caller ID using the access point number

You can also show or hide your caller ID by adding 186 (show) or 184 (hide) to the access point number when you configure dial-up network settings (P19).
The show/hide status of the caller ID for each setting of the access point number and *DGPIR command is as follows.

Setting Access Point Number (when cid=3)	Setting Using *DGPIR Command		
	Unset	Hide	Show
*99***3#	Show	Hide	Show
184*99***3#	Hide (The setting of the access point number (184) takes priority.)		
186*99***3#	Show (The setting of the access point number (186) takes priority.)		

Configuring Dial-up Network Settings

Set up the dial-up network on the PC.
- For setting up a connection to other than "mopera U" and "mopera", contact your ISP or network administrator.

<u>Example: To connect to the DOCOMO Internet connection service "mopera U", which is registered to <cid>=3</u>
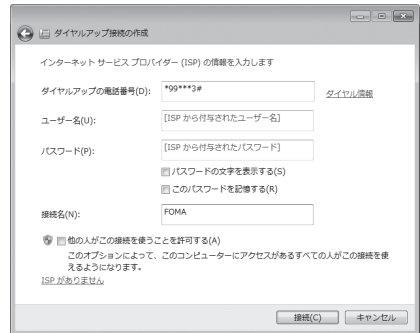
Setting on Windows 7

1 Click " スタート (Start)" ▶ "コントロールパネル (Control Panel)" ▶ "ネットワークとインターネット (Network and Internet)" ▶ "ネットワークと共有センター (Network and Sharing Center)"

2 Click "新しい接続またはネットワークのセットアップ (New connection or Network setup)"

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)" ▶ Click [次へ (Next)]

4 When the modem selection screen appears, click "FOMA L04B"
The modem selection screen appears only when the PC has multiple modems.

5 Configure various settings, then click [接続 (Connection)]
- Enter the access point number in the "ダイヤルアップの電話番号 (Phone number to a dial-up connection)" field.
- Enter a connection name in the "接続名 (Connection Name)" field.
- Enter the user name and password provided by your ISP or network administrator in the "ユーザー名 (User name)" and "パスワード (Password)" fields.
- You can leave the user name and password fields unfilled when connecting to "mopera U" or "mopera".

6 Click [スキップ (Skip)] on the "(接続名) に接続中... (Connecting to (APN))" screen
The connection test will not be performed. Only the settings will be checked.

7 Click [閉じる (Close)]

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8 Click " スタート (Start)" ▶ "コントロールパネル (Control Panel)" ▶ "ネットワーク とインターネット (Network and Internet)" ▶ "ネットワークと共有センター (Network and Sharing Center)"

9 Click "アダプターの設定の変更 (Change Adapter Setting)" ▶ Select the icon of the created dial-up connection ▶ Right-click and then click "プロパティ (Properties)"

10 Check the settings on the "全般 General)" tab

If two or more modems are connected to the PC, confirm that only "モデムー FOMA L04B (Modem - FOMA L04B)" is marked in the "接続の方法 (Connection Method)" field. (If not marked, mark it.)
• Disable "ダイヤル情報を使う (Use dialing information)".
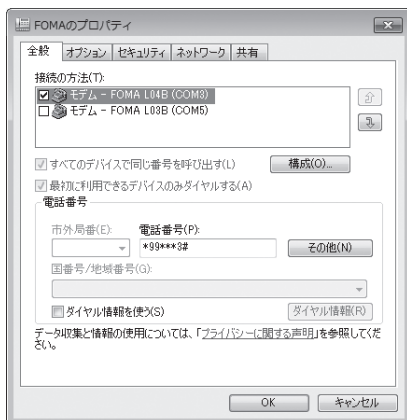
11 Click the "ネットワーク (Networking)" tab ▶ Configure various settings

Mark the "インターネット プロトコル バージョン4 (TCP/ IPv4) (Internet Protocol 4 (TCP/IPv4))" checkbox in the "この接続は次の項目を使用します (This connection uses the following items)" field.
Obtain the settings for "QoSパケット スケジューラ (QoS Packet Scheduler)" from your ISP or network administrator.
• To set up TCP/IP, click [プロパティ(Properties)]. Contact your ISP or network administrator for setting up.

12 Click the "オプション (Option)" tab ▶ Click [PPP設定 (PPP Settings)]

13 Remove checkmarks from all items ▶ Click [OK]
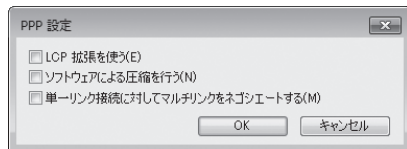
14 On the "オプション (Option)" tab, click [OK]

1 Click "🔵 スタート (Start)" ▶ "接続先 (Connection)"

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 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)" ▶ Click [次へ (Next)]

4 When the modem selection screen appears, click "FOMA L04B"
The modem selection screen appears only when the PC has multiple modems.

5 Configure various settings, then click [接続 (Connect)]
- Enter the access point number in the "ダイヤルアップの電話番号 (Phone number to a dial-up connection)".
- Enter a connection name in the "接続名 (Connection Name)" field.
- Enter the user name and password provided by your ISP or network administrator in the "ユーザー名 (User name)" and "パスワード (Password)" fields.
- You can leave the user name and password fields unfilled when connecting to "mopera U" or "mopera".
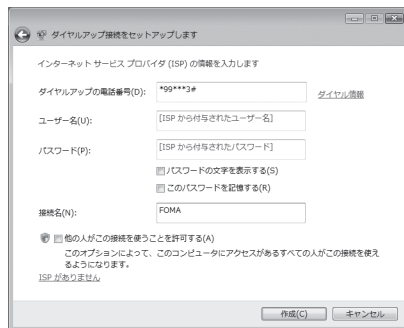
6 Click [スキップ (Skip)] on the "(接続名) に接続中... (Connecting to (APN))" screen
The connection test will not be performed. Only the settings will be checked.
- If you do not click [スキップ (Skip)], the connection to the Internet will be established.

7 Click "接続をセットアップします (Set up the connection)" ▶ [閉じる (Close)]
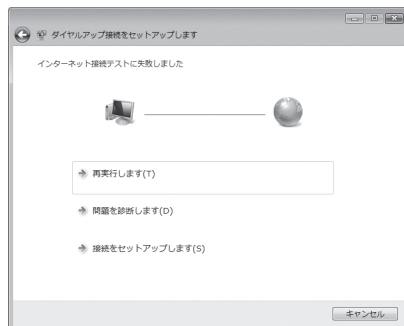
8 Click "🔵 スタート (Start)" ▶ "接続先 (Connection)"

9 Select the icon of the created dial-up connection ▶ Right-click and then click "プロパティ (Properties)"

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

If two or more modems are connected to the PC, enable only "モデム－FOMA L04B (Modem－FOMA L04B)" in the "接続の方法 (Connection Method)" field.
• Disable "ダイヤル情報を使う (Use dialing information)".

11 Click the "ネットワーク (Networking)" tab ▶ Configure various settings

Mark the "インターネット プロトコル バージョン4 (TCP/IPv4) (Internet Protocol 4 (TCP/IPv4))" checkbox in the "この接続は次の項目を使用します (This connection uses the following items)" field.
Obtain the settings for "QoSパケット スケジューラ (QoS Packet Scheduler)" from your ISP or network administrator.
• To set up TCP/IP, click [プロパティ(Properties)]. Contact your ISP or network administrator for setting up.

12 Click the "オプション (Option)" tab ▶ Click [PPP設定 (PPP Settings)]

13 Remove checkmarks from all items ▶ Click [OK]

14 On the "オプション (Option)" tab, click [OK]

1 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)" ▶ "新しい接続ウィザード (New Connection Wizard)"

2 On the New connection wizard screen, click [次へ (Next)]
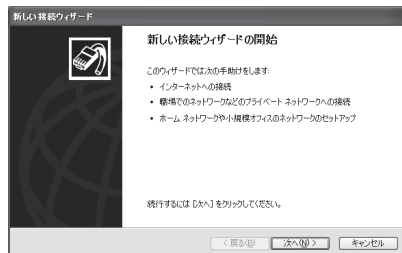
3 Select "インターネットに接続する (Connect to the Internet)" ▶ Click [次へ (Next)]

4 Select "接続を手動でセットアップする (Set up the connection manually)" ▶ 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 (Use a dial-up modem to connect)" ▶ Click [次へ (Next)]

6 If the "デバイスの選択 (Select a device)" screen appears, select "モデム−FOMA LO4B (Modem – FOMA LO4B)" ▶ Click [次へ (Next)]

The device selection screen appears only when the PC has multiple modems.

7 Enter a name in the "ISP名 (ISP Name)" field ▶ Click [次へ (Next)]
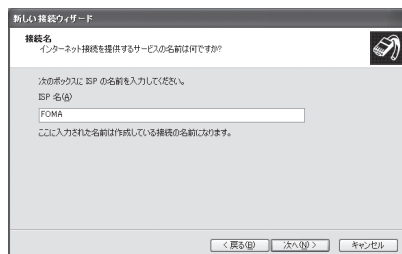
8 Enter the APN phone number in the "電話番号 (Phone Number)" field ▶ Click [次へ (Next)]
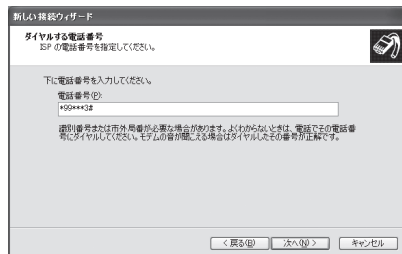
9 Select the connection usage range ▶ Click [次へ (Next)]

Select a user.

• Depending on the PC settings, this screen may not appear.

10 Fill 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)" fields ▶ Click [次へ (Next)]

Enter the information provided by your ISP or network administrator.
- To connect to "mopera U" or "mopera", these fields can be left unfilled.
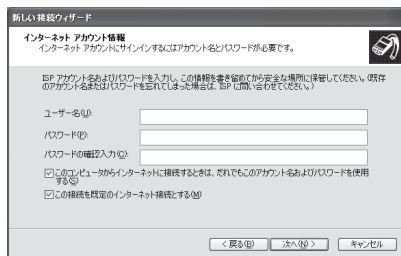
11 Click [完了 (Finish)]

The new connection wizard appears.

12 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)" ▶ "ネットワーク接続 (Network Connection)"

13 Select the icon of the created dial-up connection ▶ Click "この接続の設定を変更する (Change the setting of this connection)"
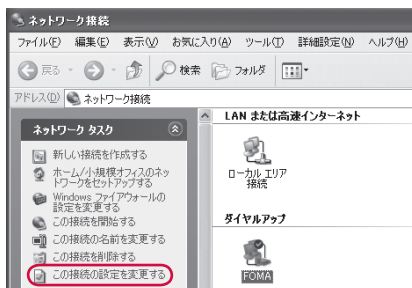
14 Check the settings on the "全般 (General)" tab
- If two or more modems are connected to the PC, enable only "モデム−FOMA L04B (Modem − FOMA L04B)" in the "接続方法 (Connection Method)" field.
- Disable "ダイヤル情報を使う (Use dialing information)".

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15 Click the "ネットワーク (Networking)" tab ▶ Configure various settings

- 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 (Dial-up server type to call)" field.
- Enable "インターネット プロトコル (Internet Protocol) (TCP/IP)" in the "この接続は次の項目を使用します (This connection uses the following items)" field. You cannot change the settings of "QoS パケット スケジューラ (QoS Packet Scheduler)".
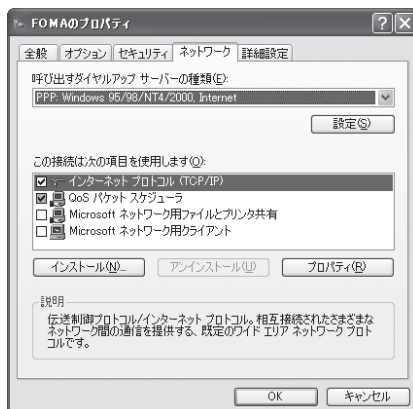
16 Click [設定 (Settings)]

17 Remove checkmarks from all items ▶ Click [OK]
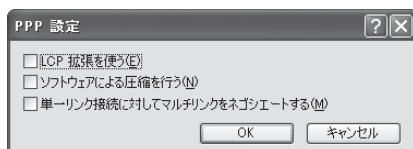
18 On the "ネットワーク (Networking)" tab, click [OK]

Communicating

This section describes steps to start and terminate communication without using the DOCOMO Connection Manager.
- Check that the FOMA terminal and the PC are connected properly before starting communication. →P5
- When performing communication, connect the FOMA terminal you used to configure the settings. If a different FOMA terminal is connected, the L-04B communication setting files may need to be reinstalled.

Example: For Windows 7

1 Click "🔵 スタート (Start)" ▶ "コントロールパネル (Control Panel)" ▶ "ネットワークとインターネット (Network and Internet)" ▶ "ネットワークと共有センター (Network and Sharing Center)" ▶ "アダプターの設定の変更(Change Adapter Setting)" ▶ Double-click the icon of the access point that has been set up

■ For Windows Vista
Click "🔵 スタート (Start)" ▶ "接続先 (Connect to)" ▶ Select the access point that has been set up ▶ Click [接続 (Connect)].

■ For Windows XP
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)" ▶ "ネットワーク接続 (Network connection)" ▶ Double-click the icon of the access point that has been set up.

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2 Enter "ユーザー名 (User Name)" and "パスワード (Password)"▶Click [ダイヤル (Dial)]

The access point will be connected.

- To connect to "mopera U" or "mopera", you can leave the "ユーザー名 (User Name)" and "パスワード (Password)" fields unfilled and click [ダイヤル (Dial)]. If another ISP or dial-up connection is selected, fill in the "ユーザー名 (User Name)" and "パスワード (Password)" fields and click [ダイヤル (Dial)].
- You can save the user name and password or just the password to skip entering them next time.
- Depending on the operating system, a connection completion screen may appear when the dial-up connection is established. However, the connection completion screen does not appear if you previously set the completion message to hide.

Disconnecting

Exiting the Internet browser may not terminate the connection. Perform the following steps to terminate the connection securely.

1 Click the dial-up icon in the task tray of the PC

A screen indicating the connection status appears.

2 Click [切断 (Disconnect)]

The communication will be terminated.
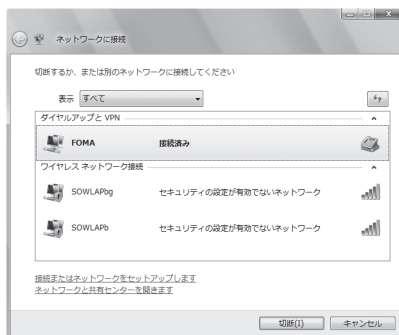
Note

- The communication speed shown on the PC screen may be different from the actual communication speed.

AT Commands

AT commands are used to check the FOMA terminal function settings or status on a PC. Usually the communication software issues AT commands so that you do not have to be aware of them. Use AT commands if you want to control the FOMA terminal in your own way.

Format of AT Commands

AT commands should be entered on the Terminal Mode screen of the communication software such as Hyper Terminal.

● Terminal Mode is for sending text input on a PC to the line connected to the communication port.

Example of Entry Format

ATD*99***1#↵
       └─ Hard Return
    └───── Parameter: Content of the command.
  └───────── Command Name

● An AT command must be entered on a single line including parameters (numbers and symbols) following the command. On the Terminal Mode screen of the communication software, "one line" is from the first character to the character prior to ↵.
You can enter up to 256 characters including the AT command.
● Be sure to enter half-pitch alphanumeric characters for the AT command, including any parameters that follow the command.
● If the entered characters do not appear, enter ATE ↵.

AT Command List

The following commands can be used with the L-04B modem.

● The following commands can be entered but are invalid commands that will not work.
  - AT (input only AT)
  - ATS0 (set number of rings until the FOMA terminal automatically answers a call)
  - ATS6 (set time for pause until dialing)
  - ATS8 (set time for pause by comma dial)
  - ATS10 (set time for delay until automatic disconnection)

AT Commands	Overview	Parameters/Descriptions	Command Examples
A/	Repeat the last AT command executed. A carriage return (CR) does not need to be entered after inputting this command.	−	A/ OK
AT%V	Display the version of the FOMA terminal.	−	AT%V L04B- MSM3540- VXXX-XXX-XX- XXXX-DCM-JP X [XXX XX 2008 XX:XX:XX] OK
AT&C<n>	Set the operating conditions of the circuit CD signals for DTE.	n=0 : Always keep circuit CD signal ON. n=1 : CD changes depending on the other party modem carrier (default)	AT&C1 OK

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AT Commands	Overview	Parameters/Descriptions	Command Examples
AT&D<n>	Set the operation performed when a circuit ER signal received from DTE is switched from ON to OFF.	n=0 : Ignore ER signals (Always regard as ON). n=2 : When ER signals are turned off by disconnecting, the PC switches over to the offline command mode (default)	AT&D2 OK
AT&F<n>	Restore all registers to their defaults. If this command is entered during communication, the line will be disconnected.	Only n=0 can be set (optional)	−
AT&W<n>	Store the current setting value to the FOMA terminal.	Only n=0 can be set (optional)	−
AT*DANTE	Display the signal strength (number of antenna bars) of the FOMA terminal.	Result format: *DANTE:<m> m=0 : Out of service area m=1 : State of 0 or 1 antenna bar displayed m=2 : State of 2 antenna bars displayed m=3 : State of 3 antenna bars displayed	AT*DANTE *DANTE:3 OK
AT*DGPIR=<n>	Set whether to show or hide the caller ID to the access point during packet communication. The setting of this command is enabled when a call is made. This setting can also be set by adding 184 (hide) or 186 (show) to the access point number when configuring the dial-up network settings.→P19	n=0 : Connect with the APN setting as is. n=1 : Connect with 184 (hide) added to the APN. n=2 : Connect with 186 (show) added to the APN. AT*DGPIR? : Display the current setting value.	AT*DGPIR=0 OK AT*DGPIR? *DGPIR:0 OK
AT*DRPW	Display the received power indication value of the FOMA terminal (minimum value to maximum value: 0 to 75).	−	AT*DRPW *DRPW:25 OK
AT+CACM="<passwd>"	Reset the cumulative billing value recorded on the UIM (FOMA card).	passwd: PIN2 code If the entered PIN2 code is correct, the cumulative billing value is reset.	("1234" is entered for the PIN2 code) AT+CACM="1234" OK

AT Commands	Overview	Parameters/Descriptions	Command Examples
AT+CBC	Display the battery level of the FOMA terminal.	Result format: +CBC:<bcs>,<bcl> bcs=0 : Power is supplied from the battery pack bcs=1 : Power is not supplied from the battery pack bcs=2 : The battery pack is not connected to the FOMA terminal bcs=3 : A call cannot be made from the FOMA terminal as a result of a power supply error bcl : Remaining battery power is displayed with a value from 0 to 100	AT+CBC +CBC:0,70 OK
AT+CGDCONT	Set access point (APN) for packet communication.	See P34.	See P34.
AT+CGEQMIN	Register the threshold to accept the QoS (Quality of Service) sent from the network when packet communication is established via a PPP connection.	See P34.	See P35.
AT+CGEQREQ	Set the QoS (Quality of Service) to be requested from the network when packet communication via PPP connection is dialed.	See P35.	See P35.
AT+CGMR	Display the version of the FOMA terminal.	−	AT+CGMR XXXXXXXXXXX XXXXX OK
AT+CGREG=<n>	Set whether to be notified of the status of registration to the network. Display whether in or out of service area based on the information received from the network.	n=0 : Not notified (default) n=1 : Notified Notify when switching in or out of service area. AT+CGREG? : Display the current status. Result format: +CGREG:<n>,<stat> n : Display the current setting value for whether a notification is sent. stat=0 : Out of the packet service area stat=1 : Within the packet service area stat=4 : Unknown stat=5 : Within the packet service area (while roaming)	AT+CGREG=1 OK (When notification is set to be sent) AT+CGREG? +CGREG: 1,0 OK (When out of the packet service area)
AT+CGSN	Display the serial number of the FOMA terminal.	−	AT+CGSN XXXXXXXXXXX XXXX OK

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AT Commands	Overview	Parameters/Descriptions	Command Examples
AT+CMEE=\<n\>	Set whether there is an error report format of the FOMA terminal.	n=0 : Use the normal ERROR result (default). n=1 : Use +CME ERROR:\<err\> result code, and use a numerical value for \<err\>. n=2 : Use +CME ERROR:\<err\> result code, and use characters for \<err\>. AT+CMEE? : Display the current setting values. The example on the right shows the display when a wrong PUK Code or PIN1/PIN2 Code was entered.	AT+CMEE=0 OK AT+CPIN="123 45678","1234" ERROR AT+CMEE=1 OK AT+CPIN="123 45678","1234" +CME ERROR : 16 AT+CMEE=2 OK AT+CPIN="123 45678","1234" +CME ERROR : incorrect password
AT+CNUM	Display the own number of the FOMA terminal.	Result format: +CNUM:,\<number\>,\<type\> number : own number type=129 : Show the number without the international access code "+". type=145 : Show the number with the international access code "+".	AT+CNUM +CNUM:,"090XX XXXXXX",129 OK
AT+CPAS	Display whether the control signals to the FOMA terminal are available.	Result format : +CPAS:\<pas\> pas 0: Control signals can be exchanged with the FOMA terminal	AT+CPAS +CPAS:0
AT+CPIN="\<pin\>" [,"\<newpin\>"]	Enter the PIN code to the FOMA terminal.	Enter the PIN1/PIN2/PUK Code. AT+CPIN? : Display the status of the PIN1 or PIN2 code. For the result code, see P36. * PIN can be authenticated with AT+CPIN, however, it will not appear on the FOMA terminal. Be aware of this.	AT+CPIN? +CPIN : SIM PIN OK ("1234" is entered for the PIN1 or PIN2 Code.) AT+CPIN="1234" OK ("12345678" is entered for the PUK Code, and "1234" for the new PIN1 or PIN2 Code.) AT+CPIN="123 45678","1234" OK

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AT Commands	Overview	Parameters/Descriptions	Command Examples
AT+CPUC="\<currency>","\<ppu>"[,"\<Passwd>"]	Rewrite the currency table on the UIM.	passwd : PIN2 code * If a wrong PIN2 code is entered, "ERROR" appears. AT+CPUC? : Display the current setting value.	("1234" is entered for the PIN2 code) AT+CPUC="YEN","0.2","1234" OK AT+CPUC? +CPUC:"YEN","0.2" OK AT+CPUC =? OK
AT+CREG=\<n>	Set whether a result will be displayed regarding the terminal is in or out of service area. (Depending on the operating system of the PC, this may not be available).	n=0 : Not notified (default) n=1 : Notified 　　　Notify when switching in or out of service area. AT+CREG? : Display the current status. Result format: +CREG:\<n>,\<stat> n: Display the current setting value for whether a notification is sent. stat=0 : Out of the voice service area stat=1 : Within the voice service area stat=4 : Unknown stat=5 : Within the voice service area (while roaming)	AT+CREG=1 OK (Set to notification) AT+CREG? +CREG:1,0 OK (When out of service area) +CREG:1 (When you move into the service area)
AT+FCLASS=\<n>	Set the communication type supported by the FOMA terminal.	n=0 : Only data communication is supported (default) AT+FCLASS? : Display the current setting values.	AT+FCLASS=0 OK
AT+GCAP	Display the AT command support capabilities of the FOMA terminal.	−	AT+GCAP +GCAP:+CGSM,+FCLASS,+W OK
AT+GMI	Display the manufacturer name.	−	AT+GMI LG Electronics Inc OK
AT+GMM	Display the FOMA terminal product name.	−	AT+GMM FOMA L04B OK
AT+GMR	Display the version of the FOMA terminal.	−	AT+GMR L04B-MSM3540-VXXX-XXX-XX-XXXX-DCM-JPX [XXX XX 2008 XX:XX:XX] OK

AT Commands	Overview	Parameters/Descriptions	Command Examples
AT+IFC=<n>,<m>	Set the local flow control method.	n:DCE by DTE m:DTE by DCE Parameters of <n> and <m> 0:No flow control 1:XON/XOFF flow control 2:RS/CS (RTS/CTS) flow control (default) AT+IFC? : Display the current setting values.	AT+IFC=2,2 OK AT+IFC? +IFC:2,2
AT+WS46=<n>	Set the wireless network to be used by the FOMA terminal.	n=12:GSM n=22:3G (W-CDMA) n=25: Auto switch (default) AT+WS46? : Display the current setting values.	AT+WS46=22 OK AT+WS46? 25 OK
AT¥S	Display the currently set commands and S register content.	–	AT¥S E1 Q0 V1 X4 &C1 &D2 S000=000 S003=013 S004=010 S005=008 S006=005 S007=060 S008=003 S010=001 OK
ATD	Set automatic dialing	Input format : ATD*99***<cid># cid: Enter from 1 to 11 for the registration number (cid) of the APN set with the +CGDCONT command. • If cid is omitted and "ATD*99***#" is entered, the APN registered to cid1 is dialed automatically.	ATD*99***3# CONNECT
ATE<n>	Specify whether there is echo back for DTE in the command mode.	n=0 : No echo back n=1 : Echo back (default)	ATE1 OK
ATI<n>	Display the confirmation code.	n=0 : Display "NTT DoCoMo". n=1 : Display the product name. n=2 : Display the version of the FOMA terminal. n=3 : Display each element of the ACMP signal. n=4 : Display details of the communication functions of the FOMA terminal.	ATI0 NTT DoCoMo OK ATI1 FOMA L04B OK

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AT Commands	Overview	Parameters/Descriptions	Command Examples
ATQ<n>	Set whether to display the result code for DTE.	n=0 : Show (default) n=1 : Hide	ATQ0 OK ATQ1 ("OK" is not displayed at this time)
ATS3=<n>	Set the carriage return character.	n=13 : Default value (only "13" can be specified) ATS3? : Display the current setting values.	ATS3=13 OK ATS3? 013 OK
ATS4=<n>	Set the line feed character.	n=10 : Default value (only "10" can be specified) ATS4? : Display the current setting values.	ATS4=10 OK ATS4? 010 OK
ATS5=<n>	Set the back space character.	n=8 : Default value (only "8" can be specified) ATS5? : Display the current setting values.	ATS5=8 OK ATS5? 008 OK
ATV<n>	Set all result codes to be displayed in numeric or alphabetic characters.	n=0 : Display result codes in numeric values. n=1 : Display result codes in text (default).	ATV1 OK
ATX<n>	Set whether to display the speed in the CONNECT indication when connected. Also detect a busy tone or dial tone.	n=0 : Not detect busy tones, not detect dial tones, and not display speed. n=1 : Not detect busy tones, not detect dial tones, and display speed. n=2 : Not detect busy tones, detect dial tones, and display speed. n=3 : Detect busy tones, not detect dial tones, and display speed. n=4 : Detect busy tones, detect dial tones, and display speed (default).	ATX1 OK
ATZ	Reset the AT command settings to the content in non-volatile memory. If this command is entered during communication, the settings will not be reset.	–	ATZ OK

Supplementary Explanation of AT Commands

■ **Command name : +CGDCONT=[Parameter]**

● Overview

Set access point (APN) for sending packets.

This is a setting command, however, it is not reset by &F.

● Format

+CGDCONT=[<cid>[,"<PDP type>"

[,"<APN>"]]]

● Parameter descriptions

<cid>[*1]: 1 to 11

<PDP type>[*2]: PPP or IP

<APN>[*3]: Optional

*1 <cid> is a number used to manage the access point (APN) for the packet communication registered in the FOMA terminal. From 1 to 11 can be registered in this FOMA terminal.

By default, <PDP_type>=PPP,<APN>=mopera.ne.jp is registered to <cid>=1; <PDP_type>=PPP, <APN>=mopera.net is registered to <cid>=2; <PDP_type>=IP,<APN>=mopera.net is registered to <cid>=3; <PDP_type>=PPP,<APN>=mpr.ex-pkt.net is registered to <cid>=4.

*2 The <PDP type> is the connection method for packet communication.

Select to enter either PPP or IP for the connection method supported by the access point.

*3 <APN> is any text string that indicates an access point.

● Command examples

Command to register an APN with the name of abc (when registering the APN to cid2)

AT+CGDCONT=2,"IP","abc"

OK

● Operations without a parameter

AT+CGDCONT=

: Reset all < cid> to their defaults.

AT+CGDCONT=<cid>

: Reset the specified <cid> to its default.

AT+CGDCONT=?

: Display a list of values that can be specified.

AT+CGDCONT?

: Display the current setting values

■ **Command name : +CGEQMIN=[Parameter]**

● Overview

Register the threshold to accept the QoS (Quality of Service) sent from the network when packet communication is established.

This is a setting command, however, it is not reset by &F.

● Format

+CGEQMIN=[<cid>[,,<Maximum bitrate UL>

[,<Maximum bitrate DL>]]]

● Parameter descriptions

<cid>[*1] : 1 to 11

<Maximum bitrate UL>[*2] : None (default) or 384

<Maximum bitrate DL>[*2] : None (default) or 7,232

*1 <cid> is a number used to manage the access point (APN) for the packet communication registered in the FOMA terminal.

*2 <Maximum bitrate UL> and <Maximum bitrate DL> indicate the maximum communication speed [kbps] of upload and download traffic respectively between the FOMA terminal and the base station. If these settings are set to None (default), all speeds are permissible. Not that if you set these settings to 384 and 7,232, a packet communication connection may not be able to be established since any speeds other than those set are not permissible.

- Command examples
  - (1) Command to permit all speeds for both upload and download (when cid=2)
    AT+CGEQMIN=2
    OK
  - (2) Command to permit only 384kbps for upload and 7,232kbps for download (when cid=2)
    AT+CGEQMIN=2,,384,7232
    OK
  - (3) Command to permit 384kbps for upload and all speeds for download (when cid=2)
    AT+CGEQMIN=2,,384
    OK
  - (4) Command to permit all speeds for upload and only 7,232kbps for download (when cid=4)
    AT+CGEQMIN=4,,,7232
    OK
- Operations without a parameter
  AT+CGEQMIN=
  : Reset all <cid> to their defaults.
  AT+CGEQMIN=<cid>
  : Reset the specified <cid> to its default.
  AT+CGEQMIN=?
  : Display a list of values that can be specified.
  AT+CGEQMIN?
  : Display the current setting values.

■ Command name : +CGEQREQ=[Parameter]

- Overview
  Set the QoS (Quality of Service) requested to the network when packet communication is dialed.
  Only the command described in the following example can be used, and it is set as default.
  This is a setting command, however, it is not reset by &F.
- Format
  +CGEQREQ=[<cid>]
- Parameter descriptions
  <cid>*:1 to 11
  * <cid> is a number used to manage the access point (APN) for the packet communication registered in the FOMA terminal.
- Command examples
  Command used to require 384kbps upload and 7,232kbps download (when <cid>=2)
  AT+CGEQREQ=2,2,384,7232
  OK
- Operations without a parameter
  AT+CGEQREQ=
  : Reset all <cid> to their defaults.
  AT+CGEQREQ=<cid>
  : Set the specified <cid> as default.

List of Error Reports

Numeric display	Text display	Reason
15	SIM wrong	A SIM other than a UIM (non-NTT DOCOMO IC card) is inserted.
16	incorrect password	The password is incorrect.
100	unknown	There is an unknown error.

Result Codes

■ List of result codes

Numeric display	Text display	Description
0	OK	Performed properly.
1	CONNECT	Connected to the other party.
2	RING	Receiving a call.
3	NO CARRER	Line disconnected.
4	ERROR	Unable to accept a command.
6	NO DIALTONE	Unable to detect dial tones.
7	BUSY	Detecting busy tones.
8	NO ANSWER	Connection completed (timeout)
100	RESTRICTION	The network access is restricted.

Note
・The result codes are displayed as text if the ATVn command (P33) is set to n=1 (default), and the result codes are displayed as numbers if set to n=0.

■ Result code of AT+CPIN?

FOMA terminal state	Result Codes
Waiting for input	+CPIN: SIM PIN (for PIN1 code) +CPIN: SIM PIN2 (for PIN2 code)
Waiting for input of PIN Unlock Code.	+CPIN: SIM PUK (for PIN1 code) +CPIN: SIM PUK2 (for PIN2 code)
PIN Code authenticated	+CPIN: READY
Inappropriate command was entered	+CME ERROR: Operation is not allowed
Incorrect command entered	ERROR

Kuten Code List for L-04B

Kuten Code List

- The kuten codes in the following table may differ from the appearances of the actual display.

Kuten 1 to 3	0	1	2	3	4	5	6	7	8	9
010		（パ-ス）	、	。	，	．	・	：	；	？
011	！	゛	゜	´	｀	¨	＾	￣	＿	ヽ
012	ヾ	ゝ	ゞ	〃	仝	々	〆	〇	ー	―
013	‐	／	＼	～	∥	｜	…	‥	‘	’
014	“	”	（	）	〔	〕	［	］	｛	｝
015	〈	〉	《	》	「	」	『	』	【	】
016	＋	－	±	×	÷	＝	≠	＜	＞	≦
017	≧	∞	∴	♂	♀	°	′	″	℃	￥
018	＄	¢	£	％	＃	＆	＊	＠	§	☆
019	★	○	●	◎	◇	◆	□	■	△	▲
020	▽	▼	※	〒	→	←	↑	↓	〓	
021-024										
025	∈	∋	⊆	⊇	⊂	⊃	∪	∩		
026	∧	∨	¬	⇒	⇔	∀	∃			
027	∠	⊥	⌒	∂	∇	≡	≒	≪	≫	√
028	∽	∝	∵	∫	∬	Å	‰	♯	♭	♪
029	†	‡	¶	◯						

（Kuten reference character grid — full-width Japanese symbols, Latin letters, Greek, Cyrillic, hiragana, katakana, and kanji arranged by kuten code 010 through 261.）

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Left block (Kuten 1 to 3: 445–508)

Kuten 1 to 3	0	1	2	3	4	5	6	7	8	9
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							愉	愈	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	揚	摇	輿	預	傭	幼	妖	容
454	窯	羊	耀	葉	蓉	要	謡	踊	遥	陽
455	養	慾	抑	欲	沃	浴	翌	翼	淀	
ら										
456										羅
456	螺	裸	来	莱	頼	雷	洛	絡	落	酪
457	乱	卵	嵐	欄	濫	藍	蘭	覧		
り										
458									利	吏
458	履	李	梨	理	璃	痢	裏	裡	里	離
459	陸	律	率	立	葎	掠	略	劉	流	溜
460	琉	留	硫	粒	隆	竜	龍	侶	慮	旅
461	虜	了	亮	僚	両	凌	寮	料	梁	涼
462	猟	療	瞭	稜	糧	良	諒	遼	量	陵
463	領	力	緑	倫	厘	林	淋	燐	琳	臨
464	輪	隣	鱗	麟						
る～れ										
465	瑠	塁	涙	累	類					
466	令	伶	例	冷	励	嶺	怜	玲	礼	苓
467	鈴	隷	零	霊	麗	齢	暦	歴	列	劣
468	烈	裂	廉	恋	憐	漣	煉	簾	練	聯
469	蓮	連	錬							
ろ										
470						呂	魯	櫓	炉	賂
470								路	露	
471	労	婁	廊	弄	朗	楼	榔	浪	漏	牢
472	狼	篭	老	聾	蝋	郎	六	麓	禄	肋
473	録	論								
わ										
473				倭	和	話	歪	賄	脇	惑
474	枠	鷲	亙	亘	鰐	詫	藁	蕨	椀	湾
475	碗	腕								
480	弌	丐	丕	个	丱	丶	丼	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
488	假	會	偕	偐	偈	做	偖	偬	偸	傀
489	傚	傅	傴	傲						
490	僉	僊	傳	僂	僖	僞	僥	僭	僣	僮
491	價	僵	儉	儁	儂	儖	儕	儔	儚	儡
492	儺	儷	儼	儻	儿	兀	兒	兌	兔	兢
493	竸	兩	兪	兮	冀	冂	囘	册	冉	冏
494	冑	冓	冕	冖	冤	冦	冢	冩	冪	冫
495	决	冱	冲	冰	况	冽	凅	凉	凛	几
496	處	凩	凭	凰	凵	凾	刄	刋	刔	刎
497	刧	刪	刮	刳	刹	剏	剄	剋	剌	剞
498	剔	剪	剴	剩	剳	剿	剽	劍	劔	劈
499	劑	辨	辧	劬	劭	劼	劵	勁	勍	勗
500	勞	勣	勦	飭	勠	勳	勵	勍	勸	勹
501	匆	匈	甸	匍	匐	匏	匕	匚	匣	匯
502	匱	匳	匸	區	卆	卅	丗	卉	卍	凖
503	卞	卩	卮	夘	卻	卷	厂	厖	厠	厦
504	厥	厮	厰	厶	參	簒	雙	叟	曼	燮
505	叮	叨	叭	叺	吁	吽	呀	听	吭	吼
506	吮	吶	吩	吝	呎	咏	呵	咎	呱	呷
507	呷	咢	咸	咥	咬	哄	哈	咨		
508	咫	哂	咤	咾	咼	哘	哥	哦	唏	唔

Middle block (Kuten 1 to 3: 509–584)

Kuten 1 to 3	0	1	2	3	4	5	6	7	8	9
509	哇	哦	唏	哈	咨					
510	哽	哮	哭	哺	哢	唹	啀	啣	啌	售
511	啜	啅	啖	啗	唸	唳	啝	喙	喀	咯
512	喊	喟	啻	啾	喘	喞	單	啼	喃	喩
513	喇	喨	嗚	嗅	嗟	嗄	嗜	嗤	嗔	嘔
514	嗷	嘖	嗾	嗽	嘛	嘴	嘶	嘲	嘸	噫
515	噤	嘯	噬	噪	嚆	嚀	嚊	嚠	嚔	嚏
516	嚥	嚮	嚶	嚼	囁	囃	囀	囈	囎	囑
517	囓	囗	囮	囹	圀	囿	圄	圉	圈	國
518	圍	圓	團	圖	嗇	圜	圦	圷	圸	坎
519	圻	址	坏	坩	埀	垈	坡	坿	垉	垓
520	垠	垳	垤	垪	垰	埃	埆	埔	埒	埓
521	堊	埖	埣	堋	堙	堝	塲	堡	塢	塋
522	塰	毀	塒	堽	塹	墅	墹	墟	墫	墺
523	壞	墻	墸	墮	壅	壓	壑	壗	壙	壨
524	壥	壜	壤	壟	壯	壺	壹	壻	壼	壽
525	夂	夊	夐	夛	梦	夥	夬	夭	夲	夸
526	夾	竒	奕	奐	奎	奚	奘	奢	奠	奧
527	奬	奩	奸	妁	妝	佞	侫	妣	妲	姆
528	姨	姜	妍	姙	姚	娥	娟	娑	娜	娉
529	娚	婀	婬	婉	娵	娶	婢	婪	媚	媼
530	媾	嫋	嫂	媽	嫣	嫗	嫦	嫩	嫖	嫺
531	嫻	嬌	嬋	嬖	嬲	嫐	嬪	嬶	嬾	孃
532	孅	孀	孑	孕	孚	孛	孥	孩	孰	孳
533	孵	學	斈	孺	宀	它	宦	宸	寃	寇
534	寉	寔	寐	寤	實	寢	寞	寥	寫	寰
535	寶	寳	尅	將	專	對	尓	尠	尢	尨
536	尸	尹	屁	屆	屎	屓	屐	屏	孱	屬
537	屮	乢	屶	屹	岌	岑	岔	妛	岫	岻
538	岶	岼	岷	峅	岾	峇	峙	峩	峽	峺
539	峭	嶌	峪	崋	崕	崗	嵜	崟	崛	崑
540	崔	崢	崚	崙	崘	嵌	嵒	嵎	嵋	嵬
541	嵳	嵶	嶇	嶄	嶂	嶢	嶝	嶬	嶮	嶽
542	嶐	嶷	嶼	巉	巍	巓	巒	巖	巛	巫
543	已	巵	帋	帚	帙	帑	帛	帶	帷	幄
544	幃	幀	幎	幗	幔	幟	幢	幣	幇	幵
545	并	幺	麼	广	庠	廁	廂	廈	廐	廏
546	廖	廣	廝	廚	廛	廢	廡	廨	廩	廬
547	廱	廳	廰	廴	廸	廾	弃	弉	彝	彜
548	弋	弑	弖	弩	弭	弸	彁	彈	彌	彎
549	弯	彑	彖	彗	彙	彡	彭	彳	彷	徃
550	徂	彿	徊	很	徑	徇	從	徙	徘	徠
551	徨	徭	徼	忖	忻	忤	忸	忱	忝	悳
552	忿	怡	恠	怙	怐	怩	怎	怱	怛	怕
553	怫	怦	怏	怺	恚	恁	恪	恷	恟	恊
554	恆	恍	恣	恃	恤	恂	恬	恫	恙	悁
555	悍	惧	悃	悚	悄	悛	悖	悗	悒	悧
556	悋	惡	悸	惓	悴	忰	悽	惆	悵	惘
557	慍	愕	愆	惶	惷	愀	惴	惺	愃	愡
558	惻	惱	愍	愎	慇	愾	愨	愧	慊	愿
559	愼	愬	愴	愽	慂	慄	慳	慷	慘	慚
560	慫	慴	慯	慥	慱	慟	慝	慓	慵	憙
561	憖	憇	憬	憔	憚	憊	憑	憫	憮	懌
562	懊	應	懷	懈	懃	懆	憺	懋	罹	懍
563	懦	懣	懶	懺	懴	懿	懽	懼	懾	戀
564	戈	戉	戍	戌	戔	戛	戞	戡	截	戮
565	戰	戲	戳	扁	扎	扞	扣	扛	扠	扨
566	扼	抂	抉	找	抒	抓	抖	拔	抃	抔
567	拗	拑	抻	拏	拿	拆	擔	拈	拜	拌
568	拊	拂	拇	抛	拉	挌	拮	拱	挧	挂
569	挈	拯	拵	捐	挾	捍	搜	捏	掖	掎
570	掀	掫	捶	掣	掏	掉	掟	掵	捫	捩
571	掾	揩	揀	揆	揣	揉	插	揶	揄	搖
572	搴	搆	搓	搦	搶	攝	搗	搨	搏	摧
573	摯	摶	摎	攪	撕	撓	撥	撩	撈	撼
574	據	擒	擅	擇	撻	擘	擂	擱	擧	舉
575	擠	擡	抬	擣	擯	攬	擶	擴	擲	擺
576	攀	擽	攘	攜	攅	攤	攣	攫	攴	攵
577	攷	收	攸	畋	效	敖	敕	敍	敘	敏
578	敘	敝	敲	數	斂	斃	變	斛	斟	斫
579	斷	旃	旆	旁	旄	旌	旒	旛	旙	无
580	旡	旱	杲	昊	昃	旻	杳	昵	昶	昴
581	昜	晏	晄	晉	晁	晞	晝	晤	晧	晨
582	晟	晢	晰	暃	暈	暎	暉	暄	暘	暝
583	曁	暹	曉	暾	暼	曄	暸	曖	曚	曠
584	昿	曦	曩	曰	曵	曷	朏	朖	朞	朦

Right block (Kuten 1 to 3: 585–660)

Kuten 1 to 3	0	1	2	3	4	5	6	7	8	9
585	斷	旃	旆	旁	旄	旒	旛	旙	无	旡
586	旡	旱	杲	昊	昃	旻	昵	昶	晧	暘
587	晟	晢	晰	暃	暈	暎	晝	暉	暄	暘
588	暝	曁	暹	曉	暾	暼	曄	暸	曖	曚
589	曠	昿	曦	曩	曰	曵	曷	朏	朞	朦
590	朧	霸	朶	杁	朷	杆	杞	杠	杙	杣
591	曳	朶	杁	朷	杆	杞	桾	椁	棊	椈
592	朶	杁	杰	枩	杼	棍	棔	棧	棕	椶
593	杰	枩	棗	棣	椥	棹	棠	棯	椨	椪
594	椚	椣	椡	棆	楹	楷	楜	楸	楫	楔
595	楾	楮	椹	楴	椽	楙	椰	楡	楞	楝
596	榁	楪	榲	榮	槐	榿	槁	槓	榾	槎
597	寨	槊	槝	榻	槃	榧	樮	榑	榠	榜
598	榕	榴	槞	槨	樂	樛	槿	權	槹	槲
599	槧	樅	榱	樞	槭	樔	槫	樊	樒	櫁
600	樣	樓	橄	樌	橲	樶	橸	橇	橢	橙
601	橦	橈	樸	樢	檐	檍	檠	檄	檢	檣
602	檗	蘗	檻	櫃	櫂	檸	檳	檬	櫞	櫑
603	櫟	檪	櫚	櫪	櫻	欅	蘖	櫺	欒	欖
604	鬱	欟	欸	欷	盜	欹	飮	歇	歃	歉
605	歐	歙	歔	歛	歟	歡	歸	歹	歿	殀
606	殄	殃	殍	殘	殕	殞	殤	殪	殫	殯
607	殲	殱	殳	殷	殼	毆	毋	毓	毟	毬
608	毫	毳	毯	麾	氈	氓	气	氛	氤	氣
609	汞	汕	汢	汪	沂	沍	沚	沁	沛	汾
610	汨	汳	沒	沐	泄	泱	泓	沽	泗	泅
611	泝	沮	沱	沾	沺	泛	泯	泙	泪	洟
612	衍	洶	洫	洽	洸	洙	洵	洳	洒	洌
613	浣	涓	浤	浚	浹	浙	涎	涕	濤	涅
614	淹	渕	渊	涵	淇	淦	涸	淆	淬	淞
615	淌	淨	淒	淅	淺	淙	淤	淕	淪	淮
616	渭	湮	渮	渙	湲	湟	渾	渣	湫	渫
617	湶	湍	渟	湃	渺	湎	渤	滿	渝	游
618	溂	溪	溘	滉	溷	滓	溽	溯	滄	溲
619	滔	滕	溏	溥	滂	溟	潁	漑	灌	滬
620	滸	滾	漿	滲	漱	滯	漲	滌	漾	漓
621	滷	澆	潺	潸	澁	澀	潯	潛	濳	潭
622	澂	潼	潘	澎	澑	濂	潦	澳	澣	澡
623	澤	澹	濆	澪	濟	濕	濬	濔	濘	濱
624	濮	濛	瀉	瀋	濺	瀑	瀁	瀏	濾	瀛
625	瀚	潴	瀝	瀘	瀟	瀰	瀾	瀲	灑	灣
626	炙	炒	炯	烱	炸	炳	炮	烟	烋	烝
627	烙	焉	烽	焜	焙	煥	煕	熈	煦	煢
628	煌	煖	煬	熏	燻	熄	熕	熨	熬	燗
629	熹	熾	燒	燉	燔	燎	燠	燬	燧	燵
630	燼	燹	燿	爍	爐	爛	爨	爭	爬	爰
631	爲	爻	爼	爿	牀	牆	牋	牘	牴	牾
632	犂	犁	犇	犒	犖	犢	犧	犹	犲	狃
633	狆	狄	狎	狒	狢	狠	狡	狹	狷	倏
634	猗	猊	猜	猖	猝	猴	猯	猩	猥	猾
635	獎	獏	默	獗	獪	獨	獰	獸	獵	獻
636	獺	珈	玳	珎	玻	珀	珥	珮	珞	璢
637	琅	瑯	琥	珸	琲	琺	瑕	琿	瑟	瑙
638	瑁	瑜	瑩	瑰	瑣	瑪	瑶	瑾	璋	璞
639	璧	瓊	瓏	瓔	珱	瓠	瓣	瓧	瓩	瓮
640	瓲	瓰	瓱	瓸	瓷	甄	甃	甅	甌	甎
641	甍	甕	甓	甞	甦	甬	甼	畄	畍	畊
642	畉	畛	畆	畚	畩	畤	畧	畫	畭	畸
643	當	疆	疇	畴	疊	疉	疂	疔	疚	疝
644	疥	疣	痂	疳	痃	疵	疽	疸	疼	疱
645	痍	痊	痒	痙	痣	痞	痾	痿	痼	瘁
646	痰	痺	痲	痳	瘋	瘍	瘉	瘟	瘧	瘠
647	瘡	瘢	瘤	瘴	瘰	瘻	癇	癈	癆	癜
648	癘	癡	癢	癨	癩	癪	癧	癬	癰	癲
649	癶	癸	發	皀	皃	皈	皋	皎	皖	皓
650	皙	皚	皰	皴	皸	皹	皺	盂	盍	盖
651	盒	盞	盡	盥	盧	盪	蘯	盻	眈	眇
652	眄	眩	眤	眞	眥	眦	眛	眷	眸	睇
653	睚	睨	睫	睛	睥	睿	睾	睹	瞎	瞋
654	瞑	瞠	瞞	瞰	瞶	瞹	瞿	瞼	瞽	瞻
655	矇	矍	矗	矚	矜	矣	矮	矼	砌	砒
656	礦	砠	礪	硅	碎	硴	碆	硼	碚	碌
657	碣	碵	碪	碯	磑	磆	磋	磔	碾	碼
658	磅	磊	磬	磧	磚	磽	磴	礇	礒	礑
659	礫	礙	礬	礫	礦	祀	祠	祗	祟	祚
660	癩	癶	癸	發	皀	皃	皈	皋	皎	皖

Kuten 1 to 3	0	1	2	3	4	5	6	7	8	9
661	皖	盍	晢	愷	愾	飽	皴	盡	蕭	盂
662	盍	盒	眇	眄	眩	眤	眞	眥	眦	眛
663	眷	眸	睇	睚	睨	睫	睛	睥	睿	睾
664	睹	瞎	瞋	瞑	瞠	瞞	瞰	瞶	瞹	瞿
665	瞼	瞽	瞻	矇	矍	矗	矚	矜	矣	矮
666	矼	砌	砒	礦	砠	礪	硅	碎	硴	碆
667	硼	碚	碌	碣	碵	碪	碯	磑	磆	磋
668	磔	碾	碼	磅	磊	磬	磧	磚	磽	磴
669	礇	礒	礑	礙	礬	礫	祀	祠	祗	祟
670		祚	祕	祓	祺	祿	禊	禝	禧	齋
671	禪	禮	禳	禹	禽	禾	秉	秕	秧	秬
672	秡	秣	稈	稍	稘	稙	稠	稟	禀	稱
673	稻	稾	稷	穃	穗	穉	穡	穢	穩	龝
674	穰	穹	穽	窈	窗	窕	窘	窖	窩	竈
675	窰	窶	竅	竄	窿	邃	竇	竊	竍	竏
676	竕	竓	站	竚	竝	竡	竢	竦	竭	竰
677	笂	笏	笊	笆	笳	笘	笙	笞	笵	笨
678	笶	筐	筺	笄	筍	笋	筌	筅	筵	筥
679	筴	筧	筰	筱	筬	筮	箝	箘	箟	箍
680		箜	箚	箋	箒	箏	筝	箙	篋	篁
681	篌	篏	箴	篆	篝	篩	簑	簔	篦	篥
682	籠	簀	簇	簓	篳	篷	簗	簍	篶	簣
683	簧	簪	簟	簷	簫	簽	籌	籃	籔	籏
684	籀	籐	籘	籟	籤	籖	籥	籬	籵	粃
685	粐	粤	粭	粢	粫	粡	粨	粳	粲	粱
686	粮	粹	粽	糀	糅	糂	糘	糒	糜	糢
687	鬻	糯	糲	糴	糶	糺	紆			
688	紂	紜	紕	紊	絅	絋	紮	紲	紿	紵
689	絆	絳	絖	�	絎	絲	絨	絮	絏	絣
690		經	綉	絛	綏	絽	綛	綺	綮	綣
691	綵	緇	綽	綫	總	綢	綯	緜	綸	綟
692	綰	緘	緝	緤	緞	緻	緲	緡	縅	縊
693	縣	縡	縒	縱	縟	縉	縋	縢	繆	繦
694	縻	縵	縹	繃	縷	縲	縺	繧	繝	繖
695	繞	繙	繚	繹	繪	繩	繼	繻	纃	緕
696	繽	辮	繿	纈	纊	續	纒	纐	纓	纔
697	纖	纎	纛	纜	缸	缺	罅	罌	罍	罎
698	罐	网	罕	罔	罘	罟	罠	罨	罩	罧
699	罸	羂	羆	羃	羈	羇	羌	羔	羞	羝
700		羚	羣	羯	羲	羹	羮	羶	羸	譱
701	翅	翆	翊	翕	翔	翡	翦	翩	翳	翹
702	飜	耆	耄	耋	耒	耘	耙	耜	耡	耨
703	耿	耻	聊	聆	聒	聘	聚	聟	聢	聨
704	聳	聲	聰	聶	聹	聽	聿	肄	肆	肅
705	肛	肓	肚	肭	冐	肬	胛	胥	胙	胝
706	胄	胚	胖	脉	胯	胱	脛	脩	脣	脯
707	腋	隋	腆	脾	腓	腑	胼	腱	腮	腥
708	腦	腴	膃	膈	膊	膀	膂	膠	膕	膤
709	膣	腟	膓	膩	膰	膵	膾	膸	膽	臀
710		臂	膺	臉	臍	臑	臙	臘	臈	臚
711	臟	臠	臧	臺	臻	臾	舁	舂	舅	與
712	舊	舍	舐	舖	舩	舫	舸	舳	艀	艙
713	艘	艝	艚	艟	艤	艢	艨	艪	艫	舮
714	艱	艷	艸	艾	芍	芒	芫	芟	芻	芬
715	苡	苣	苟	苒	苴	苞	苜	苓	苳	苺
716	莓	范	苻	苹	苞	茆	苜	茉	苙	茵
717	茴	茖	茲	茱	荀	茹	荐	荅	茯	茫
718	茗	茘	莅	莚	莪	莟	莢	莖	茣	莎
719	莇	莊	荼	莵	荳	荵	莠	莉	莨	菴
720		萓	菫	菎	菽	萃	菘	萋	菁	菷
721	萇	菠	菲	萍	萢	萠	莽	萸	蔆	菻
722	葭	萪	萼	蕚	蒄	葷	葫	蒭	葮	蒂
723	葩	葆	萬	葯	葹	萵	蓊	葢	蒹	蒿
724	蒟	蓙	蓍	蒻	蓚	蓐	蓁	蓆	蓖	蒡
725	蔡	蓿	蓴	蔗	蔘	蔬	蔟	蔕	蔔	蓼
726	蕀	蕣	蕘	蕈	蕁	蘂	蕋	蕕	薀	薤
727	薈	薑	薊	薨	蕭	薔	薛	藪	薇	薜
728	蕷	蕾	薐	藉	薺	藏	薹	藐	藕	藝
729	藥	藜	藹	蘊	蘓	蘋	藾	藺	蘆	蘢
730		蘚	蘰	蘿	虍	乕	虔	號	虧	虱
731	蚓	蚣	蚩	蚪	蚋	蚌	蚶	蚯	蛄	蛆
732	蚰	蛉	蠣	蚫	蛔	蛞	蛩	蛬	蛟	蛛
733	蛯	蜒	蜆	蜈	蜀	蜃	蛻	蜑	蜉	蜍
734	蛹	蜊	蜴	蜿	蜷	蜻	蜥	蜩	蜚	蝠
735	蝟	蝸	蝌	蝎	蝴	蝗	蝨	蝮	蝙	蝓
736	蝣	蝪	蠅	螢	螟	螂	螯	蟋		

Kuten 1 to 3	0	1	2	3	4	5	6	7	8	9
737	螽	蟀	蟐	雖	螫	蟄	螳	蟇	蟆	螻
738	蟯	蟲	蟠	蠢	蟾	蟶	蟷	蠎	蟒	蠑
739	蠖	蠕	蠢	蠡	蠱	蠶	蠹	蠧	蠻	衄
740		衂	衒	衙	衞	衢	衫	袁	衾	袞
741	衵	衽	袵	衲	袂	袗	袒	袮	袙	袢
742	袍	袤	袰	袿	袱	裃	裄	裔	裘	裙
743	裝	裹	褂	裼	裴	裨	裲	褄	褌	褊
744	褓	襃	褞	褥	褪	褫	襁	襄	褻	褶
745	褸	襌	褝	襠	襞	襦	襤	襭	襪	襯
746	襴	襷	襾	覃	覈	覊	覓	覘	覡	覩
747	覦	覬	覯	覲	覺	覽	覿	觀	觚	觜
748	觝	觧	觴	觸	訃	訖	訐	訌	訛	訝
749	訥	訶	詁	詛	詒	詆	詈	詼	詭	詬
750		詢	誅	誂	誄	誨	誡	誑	誥	誦
751	誚	誣	諄	諍	諂	諚	諫	諳	諧	諤
752	諱	謔	諠	諢	諷	諞	諛	謌	謇	謚
753	諡	謖	謐	謗	謠	謳	鞫	謦	謫	謾
754	謨	譁	譌	譏	譎	證	譖	譛	譚	譫
755	譟	譬	譯	譩	譽	讀	讌	讎	讒	讓
756	讖	讙	讚	谺	豁	谿	豈	豌	豎	豐
757	豕	豢	豬	豸	豺	貂	貉	貅	貊	貍
758	貎	貔	豼	貘	戝	貭	貪	貽	貲	貳
759	貮	貶	賈	賁	賤	賣	賚	賽	賺	賻
760		贄	贅	贊	贇	贏	贍	贐	齎	贓
761	賍	贔	贖	赧	赭	赱	赳	趁	趙	跂
762	趾	趺	跏	跚	跖	跌	跛	跋	跪	跫
763	跟	跣	跼	踈	踉	跿	踝	踞	踐	踟
764	蹂	踵	踰	踴	蹊	蹇	蹉	蹌	蹐	蹈
765	蹙	蹤	蹠	踪	蹣	蹕	蹶	蹲	蹼	躁
766	躇	躅	躄	躋	躊	躓	躑	躔	躙	躪
767	躡	躬	躰	軆	躱	躾	軅	軈	軋	軛
768	軣	軼	軻	軫	軾	輊	輅	輕	輒	輙
769	輓	輜	輟	輛	輌	輦	輳	輻	輹	轅
770		轂	輾	轌	轉	轆	轎	轗	轜	轢
771	轣	轤	辜	辟	辣	辭	辯	辷	迚	迥
772	迢	迪	迯	邇	迴	逅	迹	迺	逑	逕
773	逡	逍	逞	逖	逋	逧	逶	逵	逹	迸
774	遏	遐	遑	遒	逎	遉	逾	遖	遘	遞
775	遨	遯	遶	隨	遲	邂	遽	邁	邀	邊
776	邉	邏	邨	邯	邱	邵	郢	郤	扈	郛
777	鄂	鄒	鄙	鄲	鄰	酊	酖	酘	酣	酥
778	酩	酳	酲	醋	醉	醂	醢	醫	醯	醪
779	醵	醴	醺	釀	釁	釉	釋	釐	釖	釟
780		釡	釛	釼	釵	釶	鈞	釿	鈔	鈬
781	鈕	鈑	鉞	鉗	鉅	鉉	鉤	鉈	銕	鈿
782	鉋	鉐	銜	銖	銓	銛	鉚	鋏	銹	銷
783	鋩	錏	鋺	鍄	錮	錙	錢	錚	錣	錺
784	錵	錻	鍜	鍠	鍼	鍮	鍖	鎰	鎬	鎭
785	鎔	鎹	鏖	鏗	鏨	鏥	鏘	鏃	鏝	鏐
786	鏈	鏤	鐚	鐔	鐓	鐃	鐇	鐐	鐶	鐫
787	鐵	鐡	鐺	鑁	鑒	鑄	鑛	鑠	鑢	鑞
788	鑪	鈩	鑰	鑵	鑷	鑽	鑚	鑼	鑾	钁
789	鑿	閂	閇	閊	閔	閖	閘	閙	閠	閨
790		閧	閭	閼	閻	閹	閾	闊	濶	闃
791	闍	闌	闕	闔	闖	關	闡	闥	闢	阡
792	阨	阮	阯	陂	陌	陏	陷	陜	陞	陝
793	陟	陦	陲	�陬	隍	隘	隕	隗	險	隧
794	隱	隲	隰	隴	隶	隸	雋	雉	雍	襍
795	雜	霍	雕	雹	霄	霆	霈	霓	霎	霑
796	霏	霖	霙	霤	霪	霰	霹	霽	霾	靄
797	靆	靈	靂	靉	靜	靠	靤	靦	靨	勒
798	靫	靱	靹	鞅	靼	鞁	靺	鞆	鞋	鞏
799	鞐	鞜	鞨	鞦	鞣	鞳	鞴	韃	韆	韈
800		韋	韜	韭	齏	韲	竟	韶	韵	頏
801	頌	頚	頴	頳	頥	頾	顆	顏	顋	顫
802	顫	顯	顰	顱	顴	顳	颪	颯	颱	颶
803	飄	飃	飆	飩	飫	餃	餉	餔	餘	餡
804	餝	餞	餤	餠	餬	餮	餽	餾	饂	饉
805	饅	饐	饋	饑	饒	饌	饕	馗	馘	馥
806	馭	馮	馼	駟	駛	駝	駘	駑	駭	駮
807	駱	駲	駻	駸	騁	騏	騅	駢	騙	騫
808	騷	驅	驂	驀	驃	騾	驕	驍	驛	驗
809	驟	驢	驥	驤	驩	驫	驪	骭	骰	骼

Kuten 1 to 3	0	1	2	3	4	5	6	7	8	9
810		髀	髏	髑	髓	體	髞	髟	髢	髣
811	髦	髯	髫	髮	髴	髱	髷	髻	鬆	鬘
812	鬚	鬟	鬢	鬣	鬥	鬧	鬨	鬩	鬪	鬮
813	鬯	鬲	魄	魃	魏	魍	魎	魑	魘	魴
814	鮓	鮃	鮑	鮖	鮗	鮟	鮠	鮨	鮴	鯀
815	鯊	鮹	鯆	鯏	鯑	鯒	鯣	鯢	鯤	鯔
816	鯡	鰺	鯲	鯱	鯰	鰕	鰔	鰉	鰓	鰌
817	鰆	鰈	鰒	鰊	鰄	鰮	鰛	鰥	鰤	鰡
818	鰰	鱇	鰲	鱆	鰾	鱚	鱠	鱩	鱧	鱶
819	鱸	鳧	鳬	鳰	鴉	鴈	鳫	鴃	鴆	鴪
820		鴦	鶯	鴣	鴟	鵄	鴕	鴒	鵁	鴿
821	鴾	鵆	鵈	鵝	鵞	鵤	鵝	鵑	鵐	鵙
822	鵲	鶉	鶇	鶫	鵯	鵺	鶚	鶤	鶩	鶲
823	鷄	鷁	鶻	鶸	鶺	鷆	鷏	鷂	鷙	鷓
824	鷸	鷦	鷭	鷯	鷽	鸚	鸛	鸞	鹵	鹹
825	鹽	麁	麈	麋	麌	麒	麕	麑	麝	麥
826	麩	麸	麪	麭	靡	黌	黎	黏	黐	黔
827	黜	點	黝	黠	黥	黨	黯	黴	黶	黷
828	黹	黻	黼	黽	鼇	鼈	皷	鼕	鼡	鼬
829	鼾	齊	齒	齔	齣	齟	齠	齡	齦	齧
830		齬	齪	齷	齲	齶	龕	龜	龠	
831	堯	槇	遙	瑤	凜	熙				