



SH-07F

INSTRUCTION MANUAL '14.5

Introduction

Thank you for purchasing “SH-07F”. Before use of SH-07F, be sure to read this manual to ensure proper operation.

Explanation for operation of SH-07F

Other than this manual, “Guide” (contained in the FOMA terminal) and “Manual (detailed edition)” (in PDF format) explain how to operate SH-07F.

■ **“Manual”** (this manual)

Explanations for contents displayed on the screen and operations of basic functions

■ **“Guide”** (in Japanese only) (contained in the FOMA terminal)

Explanations for the outline and operations of frequently-used functions

From SH-07F In the Normal menu,
[Tool] ▶ [Guide] ▶ select an item

■ **“Manual (detailed edition)”** (in Japanese only) (in PDF format)

Explanations for the detailed guidance and operations of all functions

From a PC Download from the DOCOMO website

<https://www.nttdocomo.co.jp/support/trouble/manual/download/index.html> (in Japanese only)

※ The URL and contents are subject to change without prior notice.

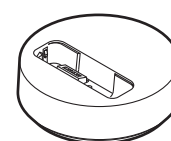
Basic package



SH-07F
(includes warranty)



Battery Pack SH39



Desktop Holder SH46



Back Cover SH73



Manual
(Japanese version)

- For details on optional parts compatible with the FOMA terminal ☎ P. 87

- The explanations in this manual are based on the case when Kisekae tool is set for the handset color “Green”.
- The screens and illustrations in this manual are shown as examples. The actual screens and illustrations may differ.
- Note that “SH-07F” is referred to as the “FOMA terminal” in this manual.
- Reproduction of this manual in part or in whole without prior permission is prohibited.
- The contents of this manual are subject to change without prior notice.

Contents

Introduction	FOMA Terminal 2 Part Names and Functions 3 Precautions (ALWAYS FOLLOW THESE DIRECTIONS) 5	Handling Precautions15 Waterproof/Dustproof 18
Basic Operation	Before Using 24 Screen Explanation 28 Character Entry 34	Sound/Screen Setting35 Lock/Security39
Connect	Call 45 Mail 51	Phonebook55
Search	i-mode/Full Browser 57	i-channel60
Enjoy	Camera 61 1Seg 65 Music 68	i-appli/i-Widget70 i-motion71
More Convenient	Osaifu-Keitai 72 i-concier 73	Convenient Tools74 Data Management76
Others	Support81 Appendix 88	Index98

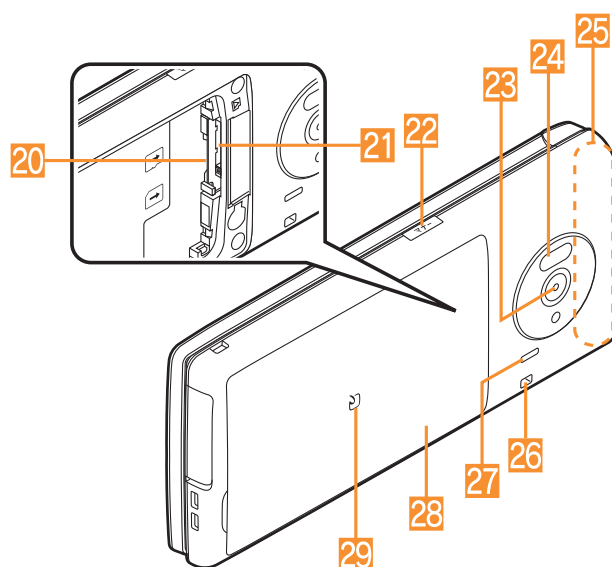
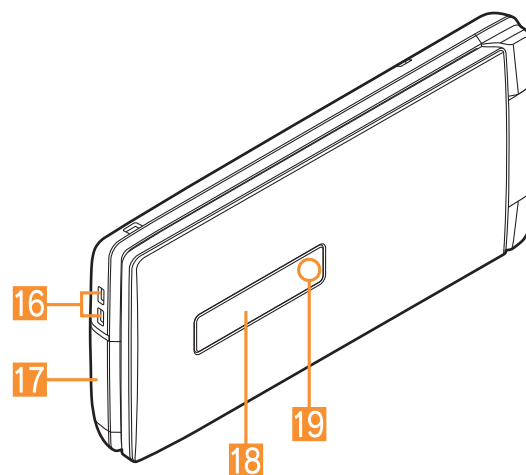
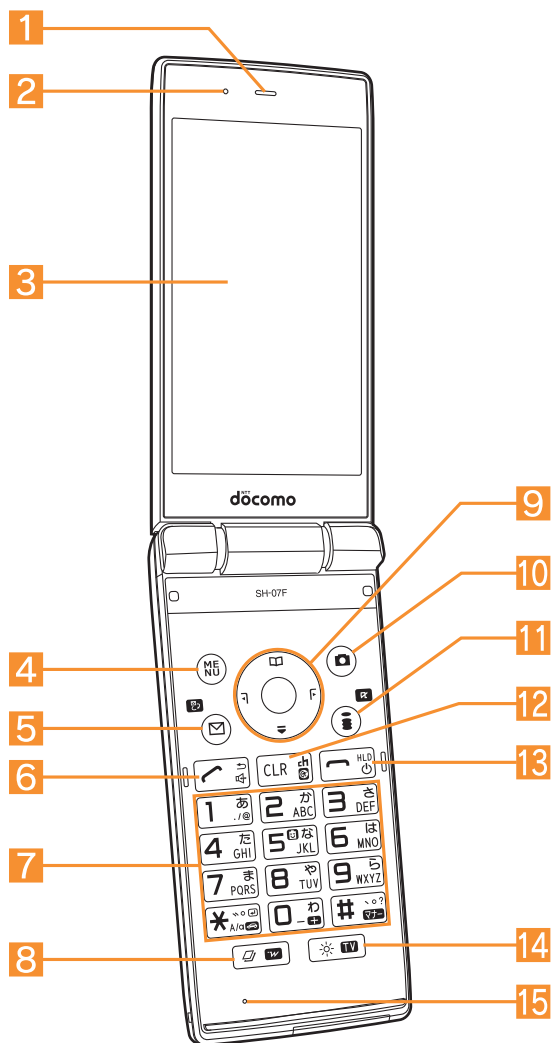
FOMA Terminal

- SH-07F supports W-CDMA and GSM/GPRS systems.
- Because the FOMA terminal relies on radio signals, it cannot be used in a place with no signal (such as tunnels, underground or in buildings), in places with a weak signal or outside the FOMA service area. You may not use the FOMA terminal in the upper floors of a building even with no obstructions in sight. There may also be times when the signal is strong and you are not moving but the call is interrupted.
- Because the FOMA terminal uses radio waves, it is possible for a third party to listen in on a conversation. However, since the W-CDMA and GSM/GPRS systems automatically apply a private call feature to every call, a third party that tries to listen in only hears noise.
- The FOMA terminal converts conversations into a digital signal and sends it to the other party over the radio. If the signal cannot be reconverted properly by such as moving to an area with a weak signal, the voice may not be heard correctly.

- Take notes of information (e.g. the phonebook, schedule, memo, record message, voice memo) stored on the FOMA terminal or save the information to external memory devices such as microSD Cards periodically. If you own a PC, you can also transfer and store the information such as a phonebook, mail and schedule to your PC using DOCOMO keitai datalink. DOCOMO shall not be liable for any loss of content due to a failure, repair, model change or other handling of the FOMA terminal.
- The user hereby agrees that the user shall be solely responsible for the result of the use of SSL/TLS. Neither DOCOMO nor the certifier as listed herein makes any representation and warranty as for the security in the use of SSL/TLS. In the event that the user shall sustain damage or loss due to the use of SSL/TLS, neither DOCOMO nor the certifier shall be liable for any such damage or loss.
Certifier: VeriSign Japan K.K., Cybertrust Japan Co., Ltd., GlobalSign K.K., RSA Security Japan Ltd., SECOM Trust Systems Co., Ltd., Comodo CA Ltd., Entrust, Inc., Go Daddy, Inc.
- The FOMA terminal supports the FOMA Plus-Area and the FOMA HIGH-SPEED Area.
- The display is manufactured using high-precision technology, but it may contain dots that fail to light or that remain permanently lit on some areas. This is a characteristic of display and not a malfunction.
- Note that DOCOMO shall not guarantee operation of commercially available optional parts.

2 Introduction

Part Names and Functions



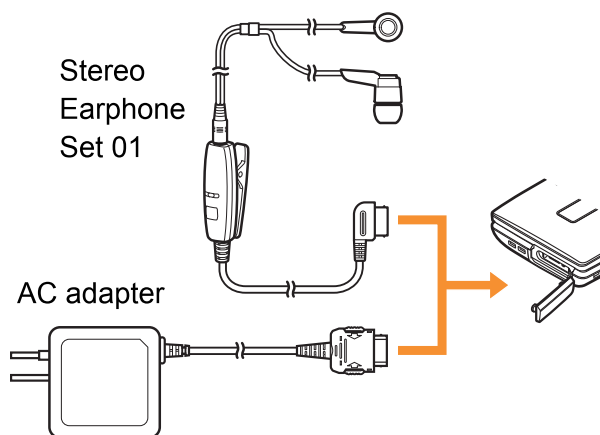
● Key illustrations may look different from actual keys.

Using earphone

Connect an earphone compatible with the external connector terminal (sold separately). In addition, when using an earphone which does not support the external connector terminal, connect with a plug adapter (sold separately).

Example of connecting Stereo Earphone Set 01 (sold separately) for the external connector terminal

AC adapter (charging) and Stereo Earphone Set 01 (earphone/microphone terminal) share the same slot.



1 Earpiece

2 Air vent

- A vent to remove excess air from the FOMA terminal.

3 Main display (P. 28)

4 [MENU]: MENU/Operation guidance key (P. 30, P. 36)

5 [MAIL]: Mail/Operation guidance key (P. 30, P. 52)

6 [Start/Hands-free key] (P. 45)

7 [1] to [9], [X], [0] and [H]: Dial/Character entry keys

8 [Multi/i-Widget key]

9 [Multi-guide key] (P. 30)

10 [Camera/Operation guidance key] (P. 30, P. 62)

11 [i-mode/Operation guidance key] (P. 30, P. 57)

12 [CLR] (ch): i-channel/Clear key (P. 60)

- Displays the channel list.
- Returns to the previous screen.

13 [Power/End key] (P. 27)

- Press for at least 2 seconds to turn the power on/off.
- Use to end the function being activated and return to the stand-by display.

14 [Bright/TV key] (P. 39)

- Activates the bright mode.
- Activates 1Seg.

15 Mouthpiece/Microphone

16 Charger terminal (P. 25)

- Use for charging with the included desktop holder.

17 External connector terminal

- Integrated terminal for charging, connecting an earphone/microphone, etc.

18 Sub display (P. 29)

19 Called/Charging LED

- Flashes while receiving a call etc.
- Illuminates while charging.
- Illuminates/Flashes while activating the camera/shooting with the camera.

20 docomo mini UIM card slot (P. 24)

21 microSD Card slot (P. 77)

22 [Side key]

- Use to shoot still pictures or moving pictures.

4 Introduction

23 Camera

- Use to shoot still pictures or moving pictures.

24 Infrared port (☞ P. 78)

25 FOMA antenna*

26 Strap hole

27 Speaker

28 Back cover (☞ P. 20)

- Do not peel off the sticker pasted on the back of the back cover. May adversely affect the wireless function.

29 mark (☞ P. 72, P. 79)

- * The antenna is built into the main body. Covering the antenna area with your hand may influence the quality.

- The 1Seg antenna is built into the main body. The whole FOMA terminal works as the antenna.

Precautions (ALWAYS FOLLOW THESE DIRECTIONS)

- Before use, read these “Precautions” carefully and use your FOMA terminal properly. Keep this manual in a safe place for future reference.
- These precautions contain information intended to prevent bodily injury to the user and to surrounding people, as well as damage to property, and must be observed at all times.

The following symbols indicate the different degrees of injury or damage that may occur if information provided is not observed and the FOMA terminal is used improperly.

 Danger	This symbol indicates that “death or serious bodily injury may directly and immediately result from improper use”.
 Warning	This symbol indicates that “death or serious bodily injury may result from improper use”.
 Caution	This symbol indicates that “minor injury and/or property damage may result from improper use”.

The following symbols indicate specific directions.

	Indicates a prohibited action.
Don't	
	Indicates not to disassemble the device.
No disassembly	
	Indicates not to use the device near water or get it wet.
No liquids	
	Indicates not to handle the device with wet hands.
No wet hands	
	Indicates that instructions specified are compulsory (must be followed).
Instruction	
	Indicates that the power cord must be unplugged from the outlet.
Unplug	

“Precautions” is explained in the following seven sections.

- Handling the FOMA terminal, battery pack, adapters, desktop holder and docomo mini UIM card (general) P. 6
- Handling the FOMA terminal P. 8
- Handling battery pack P. 10
- Handling adapters and desktop holder P. 11
- Handling docomo mini UIM card P. 13
- Handling near electronic medical equipment P. 13
- Material list P. 14

Handling the FOMA terminal, battery pack, adapters, desktop holder and docomo mini UIM card (general)

 Danger

- 

Don't

Do not use, store or leave the equipment in locations subject to high temperatures (near a fire or heating unit, in a kotatsu, under direct sunlight, inside a vehicle on a hot day, etc.).
May cause fires, burns or bodily injury.
- 

Don't

Do not place the equipment inside cooking appliances such as microwave ovens or pressure cookers.
May cause fires, burns, bodily injury or electric shock.
- 

No disassembly

Do not attempt to disassemble or modify the equipment.
May cause fires, burns, bodily injury or electric shock.
- 

No liquids

Do not get the equipment wet with water, drinking water, pet urine, sweat, etc.
May cause fires, burns, bodily injury or electric shock.
Refer to the following for details on waterproofness.
☞ “Waterproof/Dustproof” on P. 18
- 

No liquids

Do not allow liquids (water, drinking water, pet urine, sweat, etc.) to get inside the charger terminal or external connector terminal.
May cause fires, burns, bodily injury or electric shock.



Instruction

Use only optional parts specified by NTT DOCOMO for use with the FOMA terminal.

May cause fires, burns, bodily injury or electric shock.



Warning



Don't

Do not subject the equipment to strong force or impacts or throw it.

May cause fires, burns, bodily injury or electric shock.



Don't

Do not allow conductive materials (such as metal objects and pencil lead) to come into contact with the charger terminal or external connector terminal. In addition, do not insert such objects.

May cause fires, burns, bodily injury or electric shock.



Don't

Do not cover or wrap the equipment with bedding etc. when using or charging.

May cause fires or burns.



Instruction

Be sure to turn off the FOMA terminal and not to charge the battery in locations such as gas stations where flammable gas is generated.

May cause a gas explosion or fire.

To use Osaifu-Keitai in locations such as gas stations, be sure to turn off the power in advance (If the IC card lock is set, disable the lock before turning off the power).



Instruction

If you notice anything unusual, such as an unusual odor, overheating, discoloration or deformation during use, charging or storage, immediately follow the instructions below.

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

May cause fires, burns, bodily injury or electric shock.



Caution



Don't

Do not leave the equipment on unstable surfaces, such as on a wobbly table or sloped surface.

May fall and cause injury.



Don't

Do not store the equipment in locations that are subject to humidity, dust or high temperatures.

May cause fires, burns or electric shock.



Instruction

If being used by a child, have a guardian teach him/her the proper handling procedures. In addition, check that the child is using the equipment as directed.

May result in bodily injury etc.



Instruction

Keep the equipment out of the reach of young children.

A young child may swallow the equipment or suffer bodily injury etc.



Instruction

Be very careful when using the FOMA terminal connected to an adapter continuously for a long time.

The FOMA terminal, battery pack or adapter may become warm if i-αpli, videophone, 1Seg, etc. is used for a long time while charging.

Touching high temperature areas for a long time may cause skin irritations, itchiness or low-temperature burns in some people.

Handling the FOMA terminal



Warning



Don't

Do not aim the infrared port towards the eyes.

May have harmful effects on the eyes.



Don't

Do not aim the infrared port towards home electric appliances with an infrared device during infrared communication.

May interfere with the operation of infrared devices and cause an accident.



Don't

Do not allow water or other liquids, metal, flammable material or other foreign objects to enter the docomo mini UIM card slot or microSD Card slot on the FOMA terminal.

May cause fires, burns, bodily injury or electric shock.



Instruction

Turn off the FOMA terminal in areas where the use of mobile phones is prohibited, such as in aircraft or hospitals.

May interfere with the operation of electronic devices and electronic medical equipment.

In addition, if auto power on function is set to on, disable this function before turning off your mobile phone.

Follow the instructions given by the respective medical facilities regarding the use of mobile phones on their premises.

Actions such as using a mobile phone aboard aircraft are prohibited and punishable by law.

However, follow the instructions on use of the FOMA terminal given by the airline if the FOMA terminal can be used aboard aircraft by setting the FOMA terminal not to emit radio wave etc.



Instruction

Keep the FOMA terminal away from the ears during a call in which hands-free is set or while the ringtone is ringing.

When you attach the earphone/ microphone etc. to the FOMA terminal to play games, music, etc., do not make the volume too loud.

Excessively high volume may damage your hearing.

Also, it may prevent you from hearing ambient sounds and cause an accident.



Instruction

If you have a weak heart, take extra precautions when setting functions such as the vibrator and ringtone volume for incoming calls.

May have harmful effects on your heart.



Instruction

If you are using electronic medical equipment, contact the respective manufacturer or dealer to check whether the operation of the equipment is affected by signals.

May interfere with the operation of electronic medical equipment etc.



Instruction

Turn off the FOMA terminal near high-precision electronic devices or devices that use weak electronic signals.

May interfere with the operation of electronic devices.

Take particular care with the following devices

Hearing aids, implanted cardiac pacemakers, implanted cardioverter-defibrillators or other electronic medical equipment. Fire alarms, automatic doors, and other equipment controlled by electronic signals. If you use an implanted cardiac pacemaker, implanted cardioverter-defibrillator or other electronic medical equipment, contact the respective manufacturer or dealer to check whether the operation of the equipment is affected by signals.



Instruction

If the display part or camera lens is damaged, be careful of broken glass and the exposed inside of the FOMA terminal.

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



Instruction

Make sure to keep your ears away from the FOMA terminal when you intend to use the personal alarm.
May damage your hearing.



Caution



Don't

Do not swing the FOMA terminal by its strap etc.

May hit you or others around you, resulting in an accident such as bodily injury.



Don't

Do not use a damaged FOMA terminal.

May cause fires, burns, bodily injury or electric shock.



Don't

If the display is broken and internal substances such as liquid crystal then leak, do not get them on your skin (face, hands, etc.).

May result in loss of eyesight or harm to your skin.

If internal substances such as liquid crystal come into contact with your eyes or mouth, immediately rinse your eyes or mouth with clean water and see a doctor.

If they come into contact with your skin or clothes, immediately wipe it off with alcohol, and wash with water and soap.



Instruction

If you use the FOMA terminal in a vehicle, contact the vehicle manufacturer or dealer to check whether the operation of the vehicle is affected by signals.

May interfere with the operation of electronic equipment in some vehicle models. In this case, stop using the FOMA terminal.



Instruction

Use of the FOMA terminal may cause skin irritations such as itchiness, rashes or eczema in some people. If this occurs, immediately stop using the FOMA terminal and seek medical treatment.

For details on materials of each part
☞ "Material list" on P. 14



Instruction

Do not close the FOMA terminal with your fingers or objects such as a strap caught inside.

May result in bodily injury.



Instruction

Look at the display in a well-lit place, keeping a certain distance from the screen.

Otherwise, eyesight may be weakened.

Handling battery pack

Check the type of battery using the information printed on the battery pack label.

Label	Battery type
Li-ion00	Lithium-ion



Danger



Don't

Do not touch terminals with metallic objects such as wires. In addition, do not carry or store the battery pack with metallic necklaces etc.

The battery pack may catch fire, explode, overheat or leak.



Don't

Check that the battery pack is facing the correct direction before you attach it to the FOMA terminal. If you are having difficulty fitting the battery pack to the FOMA terminal, do not use excessive pressure to force the battery into place.

The battery pack may catch fire, explode, overheat or leak.



Don't

Do not throw the battery pack into a fire or heat it.

The battery pack may catch fire, explode, overheat or leak.



Don't

Do not apply excessive force on the battery pack such as by puncturing it, hitting it with a hammer or stepping on it.

The battery pack may catch fire, explode, overheat or leak.



Instruction

If the battery fluid etc. comes into contact with your eyes, do not rub your eyes but immediately rinse your eyes with clean water. Then seek prompt medical treatment.

May result in loss of eyesight.



Warning



Don't

If any trouble such as a deformation or scratches caused by dropping the battery pack is found, never use it.

The battery pack may catch fire, explode, overheat or leak.



Instruction

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

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



Instruction

Do not allow a pet to bite the battery pack.

The battery pack may catch fire, explode, overheat or leak.



Caution



Don't

Do not dispose of used battery packs in ordinary garbage.

May cause fires or damage to the environment. Place tape over the terminals to insulate unnecessary battery packs, and take them to a sales outlet such as a docomo Shop or follow the instructions by a local institution that handles used batteries.



Don't

Do not use or charge a wet battery pack.

The battery pack may catch fire, explode, overheat or leak.



Instruction

If the battery fluid etc. leaks, do not get the liquid on your skin (face, hands, etc.).

May result in loss of eyesight or harm to your skin.

If the liquid etc. comes into contact with your eyes, mouth, skin or clothes, immediately rinse them with clean water.

If the liquid etc. comes into contact with your eyes or mouth, see a doctor immediately after rinsing your eyes or mouth.

Handling adapters and desktop holder



Warning



Don't

Do not use if the cord of the adapter is damaged.

May cause fires, burns or electric shock.



Don't

Never use the AC adapter or the desktop holder in humid locations such as a bathroom.

May cause fires, burns or electric shock.



Don't

The DC adapter should only be used in negative grounded vehicles. Never use it in positive grounded vehicles.

May cause fires, burns or electric shock.



Don't

Do not touch adapters if you hear thunder.

May cause electric shock.



Don't

Take care not to short-circuit the charger terminal when connected to an outlet or cigarette lighter socket. Also, take care not to allow any part of your body (hands, fingers, etc.) to come into contact with the charger terminal.

May cause fires, burns or electric shock.



Don't

Do not place heavy objects on the cord of the adapter.

May cause fires, burns or electric shock.



Don't

When plugging/unplugging an AC adapter into/from the outlet, do not allow metallic straps or other metallic objects to come into contact with the prongs of the plug.

May cause fires, burns or electric shock.



Don't

Do not apply excessive force on an adapter by moving it up/down or to the left/right with the adapter connected to the FOMA terminal.

May cause fires, burns, bodily injury or electric shock.



No wet hands

Do not handle the cord or charger terminal of the adapters, desktop holder or outlet with wet hands.

May cause fires, burns or electric shock.



Instruction

Always use the specified power supply and voltage.

When using overseas, use the AC adapter that is available overseas.

Using the incorrect voltage may cause fires, 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 a household AC outlet)



Instruction

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

May cause fires, burns or electric shock. Refer to the respective manuals for information on the correct fuse specifications.



Instruction

Wipe off any dust on the power plug.

May cause fires, burns or electric shock.



Instruction

Fully plug the AC adapter into the outlet.

May cause fires, burns or electric shock.



Instruction

Always grasp the adapters when unplugging the power plug from the outlet or cigarette lighter socket. Do not forcibly pull by the cord of the adapter.

May cause fires, burns or electric shock.



Instruction

When plugging/unplugging an adapter into/from the FOMA terminal, plug/unplug the adapter horizontally and straightly, not applying excessive force on it.

May cause fires, burns, bodily injury or electric shock.



Unplug

Unplug the power plug from the outlet or cigarette lighter socket when not using for a long time.

May cause fires, burns or electric shock.



Unplug

Should water or other liquids enter the equipment, remove the power plug from the outlet or cigarette lighter socket immediately.

May cause fires, burns or electric shock.



Unplug

Always unplug the power plug from the outlet or cigarette lighter socket before cleaning the equipment.

May cause fires, burns or electric shock.

Handling docomo mini UIM card



Caution



Instruction

Be careful with the cutting surface when handling the docomo mini UIM card.

May cause bodily injury.

Handling near electronic medical equipment



Warning



Instruction

If you have electronic medical equipment such as an implanted cardiac pacemaker or an implanted cardioverter-defibrillator, always carry or use your FOMA terminal at least 15 cm away from your implant.

Electromagnetic signals may have harmful effects on the operation of the electronic medical equipment.



Instruction

Patients receiving medical treatment away from a hospital or medical facility (e.g. home treatment) who are using electronic medical equipment other than implanted cardiac pacemakers or implanted cardioverter-defibrillators should consult the respective manufacturers for information regarding the effects of signals on the equipment.

Electromagnetic signals may have harmful effects on the operation of the electronic medical equipment.



Instruction

If there is any chance that the distance between the FOMA terminal and a person closest to you may get shorter than 15 cm such as when you cannot freely move around, set the handset not to emit radio wave in advance (by setting Self mode, turning the power off, etc.).

Somebody nearby may be equipped with electronic medical equipment such as an implanted cardiac pacemaker or an implanted cardioverter-defibrillator. Electromagnetic signals may have harmful effects on the operation of the electronic medical equipment.



Instruction

Follow the instructions given by the respective medical facilities regarding the use of the FOMA terminal on their premises.

Material list

Handset

Part		Material/Surface treatment
Surface of FOMA terminal	Display side	PC, PMMA resin/ Hard coating
	Back of display side (sub display side)	Aluminum/ Anodizing
	Sub display	PMMA resin/Hard coating
	Side surface of display side, Surrounding area of keyboard side	Polyamide resin with glass/UV coating
	Back of keyboard side	PC+ABS-GF20 resin/UV coating
	Keyboard side	UV cured resin
	Hinge section, Side surface of hinge section	ABS resin/UV coating
Camera panel	Camera panel	PMMA resin/Hard coating
	Protective projection for camera panel	PC+ABS-GF20 resin/UV coating
Protective cover	Keyboard side	PET resin/UV cured resin
	Hinge section	Polyamide resin with glass/UV coating
Operation key (including ornament)		UV cured resin
Side key		PC resin/UV coating

Part		Material/Surface treatment
External connector terminal	External connector terminal	SUS/Ni plating
	Cover	PC resin, Elastomer resin/ UV coating
	Gasket	EPDM/Low friction coating
Charger terminal		SUS/au plating
Infrared port		PMMA resin/Hard coating
Jack sheet		PET
microSD Card slot	Metal section	SUS
	Resin section	Polyamide resin with glass
docomo mini UIM card slot	Lever	Nylon 46
	Resin section	ABS resin
Battery storage side	Sticker	PET
	Resin section	Polyamide resin with glass
Battery storage section	Surrounding area of battery storage section	Polyamide resin with glass
	Screw	SUS/Passivation coating
Battery terminal	Battery terminal connector	PA4T
	Battery terminal	Copper alloy/Gold plating

Back Cover SH73

Part	Material/Surface treatment
Back cover	PC+ABS-GF20 resin/UV coating
Radio frequency prevention sticker	IFL 12 (Magnetic powder + urethane resin)/PET
Gasket	EPDM/Low friction coating

Battery Pack SH39

Part	Material/Surface treatment
Battery pack	PC resin/Spark erosion
Terminal section	Copper alloy/Full surface Ni with plating base, Gold plating

Desktop Holder SH46

Part	Material/Surface treatment
Main body	ABS
Tab	POM
Switch	POM
Charger terminal	Au 0.5 μ /Sealing treatment
Metal section of connector terminal	Au 0.3 μ /Sealing treatment
Resin section of connector terminal	PPS
Screw	SWCH
Stopper	PORON®

Handling Precautions

General notes

- **SH-07F is waterproof/dustproof, however, do not allow water or dust to get inside the FOMA terminal and do not allow accessories or optional parts to get wet or do not allow dust to adhere.**

The battery pack, adapter, desktop holder and docomo mini UIM card are not waterproof/dustproof. Do not use in humid or steamy areas such as bathrooms and avoid exposing to rain and other forms of moisture. If they are carried close to the skin, perspiration may cause internal components to corrode and result in malfunction. Note that if a problem is found to be due to moisture, the handset and parts are not covered by warranty and in some cases may be irreparable. Even when repairs are possible, repair charges will be incurred, since the damage is not covered by warranty.

- **Clean only with a soft and dry cloth (such as the type used for eyeglasses).**
 - Forceful rubbing of the LCD with a dry cloth may scratch its surface.
 - Note also that LCD coating may stain if moisture or soiling is left on the surface for a long period.
 - Never use chemicals such as alcohol, thinners, benzene or detergents, as these agents may erase the printing or cause discoloration.
- **Occasionally clean terminals with a dry cotton swab etc.**

Dirty terminals may result in poor connections and loss of power or insufficient battery charge. Keep the terminals clean with a dry cotton swab etc. Be careful with the terminals while cleaning them.

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

Condensation formed due to rapid changes in temperature may cause internal corrosion and lead to a malfunction.

- **Do not apply excessive force to the FOMA terminal, battery pack, etc. when using them.**

Carrying the handset in a tightly packed bag or sitting on the handset in your pocket may cause damage to the display, internal components, battery pack, etc. or result in a malfunction.

Keeping an external connector device plugged into the external connector terminal (earphone/microphone terminal) may cause damage to the connector or result in a malfunction.

- **Do not rub or scratch the display with metal etc.**

May scratch it and cause malfunction or damage.

- **Read the respective manuals or user's guides supplied with the optional parts carefully.**

Notes about the FOMA terminal

- **Avoid using the handset in extremely high or low temperatures.**

Use the FOMA terminal within the range of a temperature between 5°C and 40°C (for temperatures of 36°C or higher, limit usage to a short period of time) and a humidity between 45% and 85%.

- **Using the handset close to land-line phones, TVs, radios, etc. may have harmful effects on the operation of such equipment. Move as far away as possible from such items before use.**

- **Keep a separate memo noting information stored on the FOMA terminal.**

DOCOMO shall not be liable for any loss of content.

- **Do not drop or otherwise subject the FOMA terminal to severe impact.**

May damage the handset or cause a malfunction.

- **When connecting an external connector device to the external connector terminal (earphone/microphone terminal), do not put it in obliquely and do not pull it while it is plugged in.**

May damage the handset or cause a malfunction.

- **Do not close the FOMA terminal with a strap etc. caught inside.**

May damage the handset or cause a malfunction.

- **The FOMA terminal becomes warm during use or charging but this is not a malfunction.**

- **Do not leave the camera in direct sunlight.**

May cause discoloration or burn-in of pixels.

- **Use the FOMA terminal with the external connector terminal cover closed.**

Dust, water, etc. may get inside and cause a malfunction.

- **Do not use the FOMA terminal without the back cover.**

May remove the battery pack or cause a malfunction or damage.

- **Do not cover the surface of the display or keys with an extremely thick sticker etc.**

May cause a malfunction, damage or error.

- **While using a microSD Card, do not remove the card or turn off the FOMA terminal.**

May cause data loss or a malfunction.

- **Never place a magnetic card near the FOMA terminal or pinch it.**

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

- **Never place magnetized items near the FOMA terminal.**

Putting highly magnetized items closer may cause an error.

- **The surface of the FOMA terminal uses the aluminum material. Note that dent and abrasion are easily remained as aluminum is a soft material.**

Notes about the battery pack

- **The battery pack is a consumable product.**
Though the battery life varies with use, change the battery if the battery life is extremely short even after being fully charged. Purchase a specified new battery pack.
- **Charge battery in areas where ambient temperature is between 5°C and 35°C.**
- **The battery life depends on the usage and deterioration of the battery.**
- **Depending on usage, the battery pack may swell as it approaches the end of its usable life, but this will not cause problems.**
- **Avoid the following situations when the battery pack is stored.**
 - Storage with the battery pack fully charged (immediately after charging is completed)
 - Storage with no battery level (cannot turn the main body on)May lower the performance or shorten the usable life of the battery pack.
The second level of the battery icon or approximately 40% is recommended as the proper battery level for storage.

Notes about adapters

- **Charge the battery in areas where the ambient temperature is between 5°C and 35°C.**
- **Do not charge the battery pack in the following locations.**
 - Areas with high humidity or dust, or in areas exposed to frequent vibrations
 - Close to land-line phones, TVs, radios, etc.
- **Adapters may become warm during charging but this is not a malfunction.**
- **Do not use the DC adapter to charge the battery when the car engine is not running.**
May cause the car battery to run down.

- **When using an outlet with a feature to prevent the plug from being removed accidentally, follow the instructions in the outlet user's guide.**
- **Do not subject to strong force or impacts. Also, do not deform the charger terminals.**
May cause a malfunction.

Notes about docomo mini UIM card

- **Do not apply unnecessary force when inserting/removing the docomo mini UIM card.**
- **Customer is responsible for malfunctions arising from inserting docomo mini UIM card into a different IC card reader/writer etc.**
- **Always keep IC area clean.**
- **Clean only with a soft and dry cloth (such as the type used for eyeglasses).**
- **Keep a separate memo and note information stored on the docomo mini UIM card.**
DOCOMO shall not be liable for any loss of content.
- **To protect the environment, please take any unneeded docomo mini UIM cards to a sales outlet such as a docomo Shop.**
- **Do not damage, touch haphazardly or short-circuit the IC.**
May cause data loss or a malfunction.
- **Do not drop or otherwise subject the docomo mini UIM card to severe impact.**
May cause a malfunction.
- **Never bend the docomo mini UIM card or place heavy objects on it.**
May cause a malfunction.
- **Do not insert the docomo mini UIM card to the FOMA terminal with a label or sticker attached on the card.**
May cause a malfunction.

FeliCa reader/writer

- The FeliCa reader/writer function of the FOMA terminal uses weak radio waves whose handling does not require a license of radio station.
- The frequency in use is the 13.56 MHz band. When another reader/writer function is being used nearby, keep enough distance from it. Make sure that there is no radio station using the same frequency band in the nearby area.
- For use in an aircraft, contact the airline beforehand. Use of FeliCa reader/writer function may be restricted in some countries. Check conditions such as regulations of the country/region to use the function.

Caution

- **Never use the FOMA terminal that is modified. Using a modified device violates the Radio Law and/or the Telecommunications Business Law.**
The FOMA terminal follows the regulations regarding the certification of conformity with technical regulations for specific radio station etc. based on the Radio Law and authentication of conformity with technical regulations for devices etc. based on the Telecommunications Business Law, and the “Technical Conformity Mark ” is printed on the model nameplate of the FOMA terminal as a proof. If the screws of FOMA terminal are removed and a modification is given to the inside, the certification of conformity with technical regulations etc. will become invalid.
Never use the FOMA terminal without the valid certification etc. Doing so violates the Radio Law and/or the Telecommunications Business Law.

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

Using a mobile phone in hand while driving is regarded as a punishable act.

However, the punishment has no application in some cases such as when rescuing sick and injured people or maintaining public safety.

- **Use the FeliCa reader/writer function only in Japan.**

The FeliCa reader/writer function of the FOMA terminal conforms to the domestic radio wave standards. Using the function overseas may result in punishment.

- **Never change the basic software improperly.**

This may be regarded as a conversion of software and repairs may be refused.

Waterproof/Dustproof

SH-07F is waterproof to IPX5*¹ and IPX7*² standards, and dustproof to IP5X*³ standard if the external connector terminal cover is securely closed as well as the back cover is attached.

- *1 IPX5 means that phone keeps functioning after being subjected to a jet flow (12.5 liters/min) discharged from a nozzle (inner diameter: 6.3 mm), from all directions (approximately 3 m from the handset) for 3 minutes or more.
- *2 IPX7 means that SH-07F phone keeps functioning after it is slowly submerged to depth of 1 m in static tap water at room temperature, left there for approximately 30 minutes and then taken out.

- *3 IP5X means the level of dust protection. Phone keeps functioning in safety after it is left in the device containing dust (diameter: 75 µm or smaller) for 8 hours, agitated and then taken out.

What you can do with waterproof/dustproof of SH-07F

- You can call or watch 1Seg programs without using an umbrella in the rain (for rainfall of approximately 20 mm per hour).
- You can rinse off dirt from the FOMA terminal. Wash the FOMA terminal with low-pressure water flow (6 liters/min or lower and tap water at room temperature (between 5°C and 35°C)), holding it approximately 10 cm below faucet or shower head. Wash by using only your hands, not a brush or sponge, with the back cover attached, and the external connector terminal cover held in position. Drain the handset before use (P. 22).
- You can use the FOMA terminal at a poolside. Do not throw water in a swimming pool on the FOMA terminal or soak the FOMA terminal in the water of a swimming pool.

Things to keep in mind

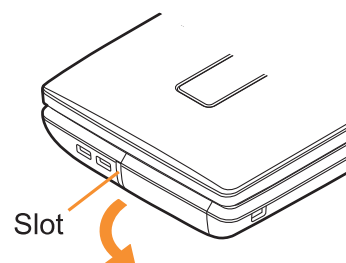
To maintain waterproof/dustproof performance, check the followings.

- Securely close the external connector terminal cover and back cover. Be careful not to apply excessive force on the rubber gasket when opening and closing.
- Make sure that the external connector terminal cover and back cover are completely closed without floating.

- To maintain waterproof/dustproof performance, the FOMA terminal has the external connector terminal cover and the back cover that allow you to close securely. May cause injuries to your nails or fingers if you try to open them forcibly.

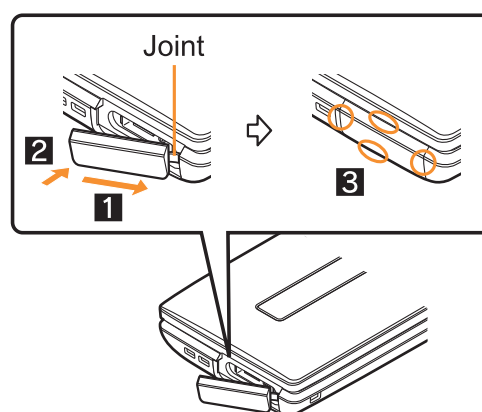
Opening external connector terminal cover

Hook the tip of a finger into the slot to open.



Closing external connector terminal cover

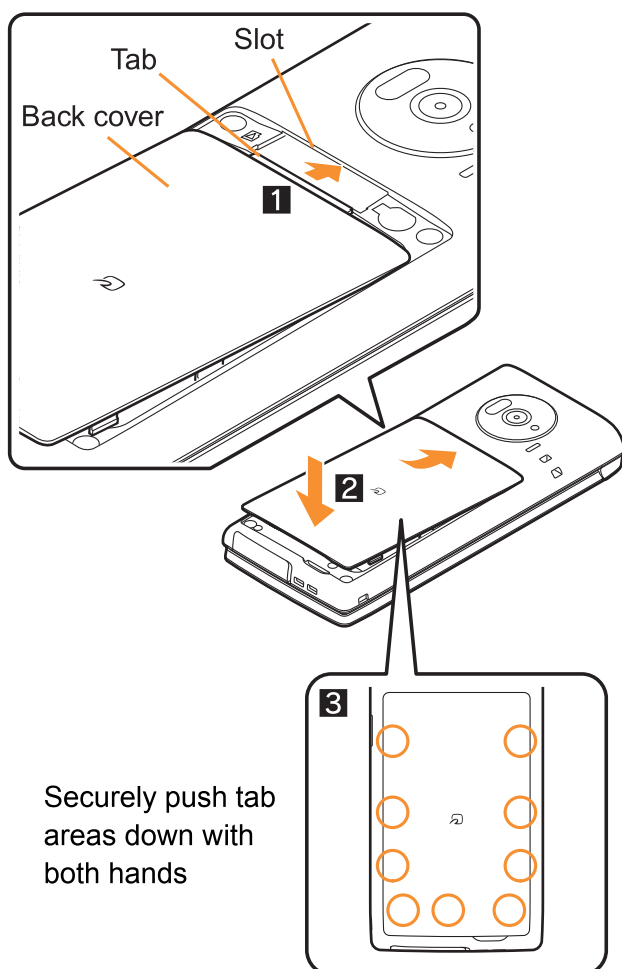
Stow the joint of the external connector terminal cover (1) and push the cover in the direction of the arrow to close it so that gaps are not left between the FOMA terminal and the cover (2). When closing it, push the ○ areas securely (3).



Attaching back cover

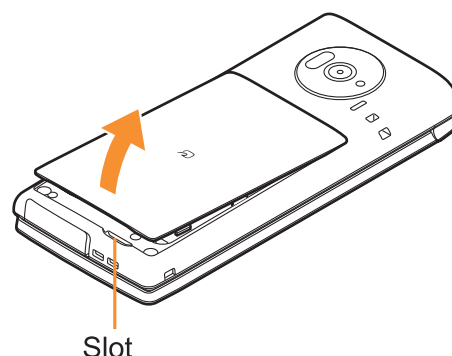
- 1 Insert the tab of the top of the back cover into the FOMA terminal slot (1), attach it in the direction of the arrow (2) and securely push down with both hands (3)

- The back of the back cover has also nine tabs to insert the back cover. Securely push tab areas down with both hands so that gaps are not left between the FOMA terminal and the back cover.



Removing back cover

- 1 Hook the tip of a finger into the FOMA terminal slot to remove the back cover upward



- To maintain waterproof/dustproof performance, replacement of parts is recommended every 2 years regardless of whether the FOMA terminal appears normal or abnormal. DOCOMO replaces the parts as a chargeable service. Bring the handset to a repair counter that DOCOMO specifies.

Precautions

- When your hands or the FOMA terminal is wet, do not attach/remove the back cover or open/close the external connector terminal cover.
- Close the external connector terminal cover and back cover securely. Even a fine obstacle (one hair, one grain of sand, tiny fiber, etc.) put between contact surfaces may allow water or dust to get inside.

- If the FOMA terminal gets wet with water or other liquids with the external connector terminal cover or back cover opened, the liquid may get inside causing electric shocks or malfunction. Stop using the FOMA terminal, turn off the power, remove the battery pack and contact a repair counter that DOCOMO specifies.
- The rubber gaskets of contact surfaces between the main body and the external connector terminal cover/back cover play an important role in maintaining waterproof/dustproof performance. Do not remove or scratch them. Also, prevent dust from adhering to them. If a rubber gasket is damaged or deformed, replace it at a repair counter that DOCOMO specifies.
- Do not insert a pointed object through the external connector terminal cover or back cover gaps. It may cause damage to the rubber gasket and allow water or dust to get inside.
- If the back cover is damaged, replace it. Water may get inside from a damaged section causing troubles such as electric shocks or corrosion of the battery.
- Do not use the FOMA terminal underwater (including opening/closing and key operations). May cause malfunction.
- Do not apply water flow stronger than allowed (P. 18) (over 6 liters/min). May cause malfunction though SH-07F provides waterproof performance of IPX5.
- Do not let the FOMA terminal get wet with liquids other than water at room temperature (between 5°C and 35°C) or do not soak the FOMA terminal in the liquids.
- Do not wash the FOMA terminal in a washing machine etc.
- To prevent condensation, do not bring the FOMA terminal from a cold place to a warm place without letting the FOMA terminal warmed to room temperature.
- Never soak the FOMA terminal in hot spring water or water containing soap, detergent or bath powder.

- Do not soak the FOMA terminal in hot water, use it in a sauna or apply hot air (from a hair dryer etc.) to it.
- Do not soak the FOMA terminal in seawater.
- Do not put the FOMA terminal directly on sand/dirt.
- Do not leave the FOMA terminal wet. In cold places, water may freeze and cause malfunction.
- The FOMA terminal does not float on water.
- Do not let the FOMA terminal fall. It may become scratched and cause the waterproof/dustproof performance to degrade.
- Do not leave water on the mouthpiece/microphone, earpiece or speaker. Such water may interfere with talking.
- Do not poke the mouthpiece/microphone, earpiece, speaker, air vent, etc. with a pointed object.
- Accessories and optional parts are not waterproof/dustproof. When the FOMA terminal is set on the included desktop holder, do not use it in rooms where water is regularly in use such as bathroom, shower room, kitchen or lavatory even if the AC adapter is not connected to it.



Soap/
Detergent/
Bath powder



Seawater



Swimming
pool



Hot spring



Sand/Dirt

- DOCOMO does not guarantee actual operations under all states. Malfunctions deemed to be caused by inappropriate operation by the customer are not covered by the warranty.

Draining water when the FOMA terminal gets wet

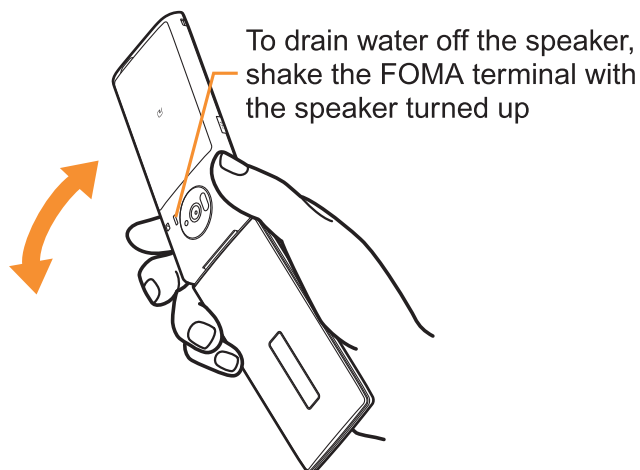
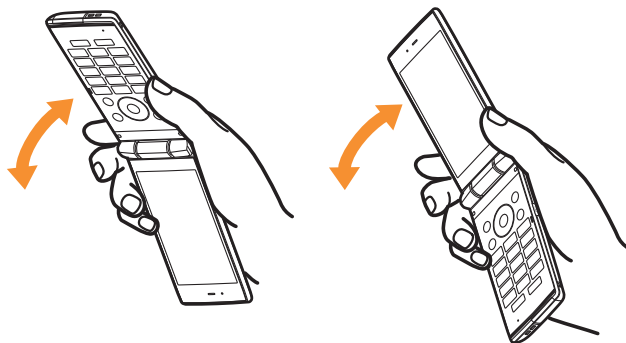
When the FOMA terminal is wet, water may flow out after wiping it off. Drain the water by following the steps below.

1 Wipe off water on the FOMA terminal surface with dry and clean cloth etc.

- If a strap is attached, dry the strap as well.

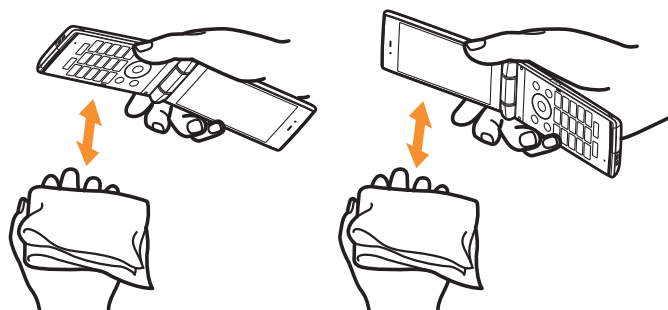


2 Shake the FOMA terminal approximately 20 times, securely holding its hinge section, until there is no more water splattering



3 Softly press the FOMA terminal against dry and clean cloth etc. to wipe off water remaining in the grooves of the mouthpiece/microphone, earpiece, speaker, keys, air vent, hinge section, etc.

- Pat the opening with cloth to remove water because there may be any water remaining in the grooves of each part.



4 Wipe off water oozing from the FOMA terminal with dry and clean cloth etc.

- Water, if any, remaining in the main body may ooze after wiping off.

Charging

Accessories and optional parts are not waterproof/dustproof. Check the followings before and after charging.

- Make sure that the FOMA terminal is not wet. If the FOMA terminal is wet or after the FOMA terminal is wet, adequately drain it and wipe off water with dry and clean cloth etc. before setting it on the desktop holder or opening the external connector terminal cover.
 - When the external connector terminal cover is opened for charging, close the cover securely after charging. It is recommended that the desktop holder be used for charging to prevent water or dust from getting inside from the external connector terminal.
- Never try to charge the battery when the FOMA terminal is wet.
 - Do not touch the AC adapter or the desktop holder with your hands wet. May cause electric shock.
 - Do not use the AC adapter or the desktop holder in a place subject to water. Do not use it in rooms where water is regularly in use such as bathroom, shower room, kitchen or lavatory. May cause fires or electric shock.

Before Using

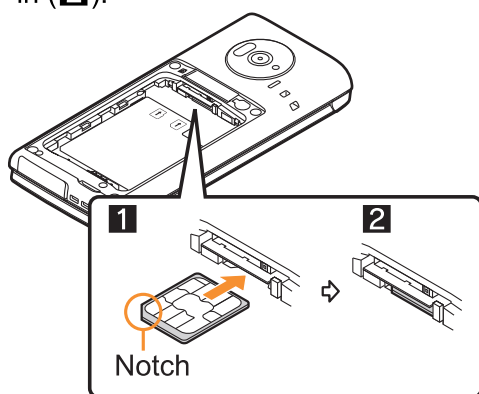
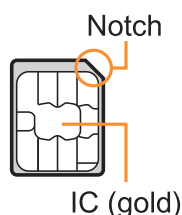
Inserting docomo mini UIM card

A docomo mini UIM card is an IC card that records personal information, such as phone numbers.

- You cannot use the docomo mini UIM card with devices other than compatible ones and may not be able to use a part of the website and data when you change from the UIM.
- The FOMA terminal supports only docomo mini UIM card. Change the UIM at a docomo Shop.

1 Hold the docomo mini UIM card with the IC (gold) side turned up and set it into the docomo mini UIM card slot (1)

- Push the docomo mini UIM card all the way in (2).



- Make sure not to touch or damage the IC (gold) of the docomo mini UIM card when handling it. Also, note that pulling forcibly or adding forces on the lever may damage it.
- Note that inserting or removing the docomo mini UIM card forcibly may damage it.

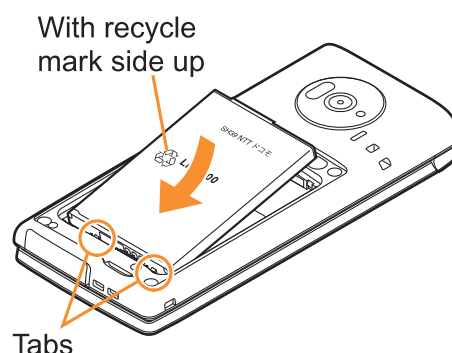
Attaching battery pack

- For attaching the battery pack, turn the FOMA terminal off, close it and hold it with your hand.
- The battery pack is not waterproof/dustproof.

1 Remove the back cover (P. 20)

2 Attach the battery pack

- With the recycle mark side turned up, place the tabs of the FOMA terminal to those of the battery pack and attach the battery pack.



3 Attach the back cover (P. 20)

- Using unnecessary force when attaching or removing the battery pack may damage the connector terminal for the battery pack (charger terminal) on the FOMA terminal.

- Securely attach the back cover. If not attached securely, the back cover may come off and the battery pack may fall out due to vibration. Also, the waterproof/dustproof performance may be impaired, resulting in allowing water or dust to get inside.

Charging

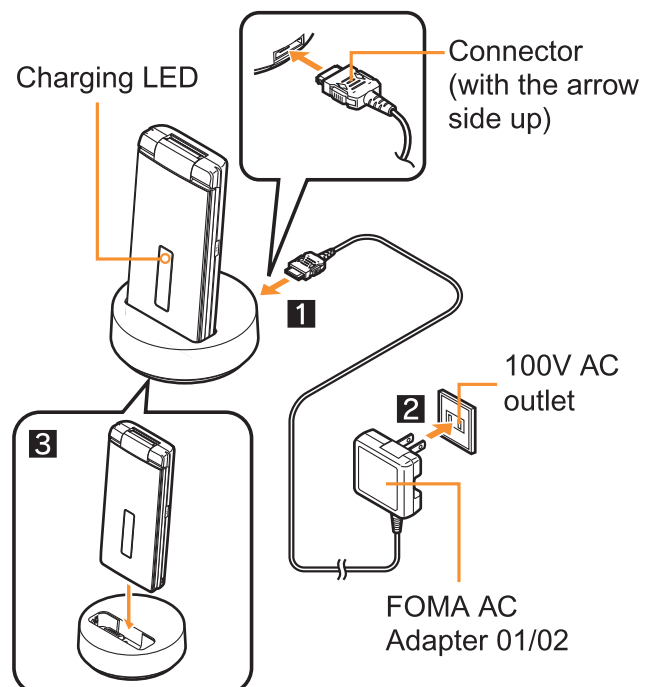
- It is recommended that the included desktop holder be used for charging to prevent water or dust from getting inside caused by forgetting to close the external connector terminal cover.
- The AC adapter (sold separately) and desktop holder are not waterproof/dustproof. Never try to charge the battery when the FOMA terminal is wet. For precautions about the waterproof/dustproof when charging  P. 23

Charging by using desktop holder

- 1 Turn the arrow side of the AC adapter connector up and insert it horizontally into the connector terminal of the desktop holder (1)**
 - Keep the connector parallel with the desktop holder and securely push all the way in until a click is heard.
- 2 Insert the AC adapter power plug into an outlet (2)**

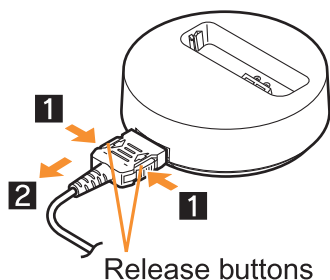
- 3 When placing the FOMA terminal on the desktop holder, the charge alert is heard, the charging LED illuminates and charging starts**

- Place the FOMA terminal in the direction of the arrow and make sure that a click is heard (3).



- 4 When charging is complete, the charge alert is heard and the charging LED turns off**
 - Hold the desktop holder and lift the FOMA terminal after tilting it towards you.
- 5 Remove the AC adapter power plug from the outlet**

- 6** Keep holding the release buttons on both sides of the AC adapter connector (1) and unplug it horizontally (2)

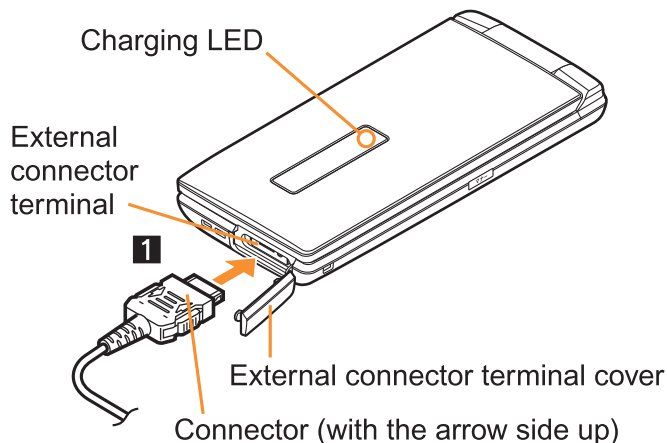


- When the charge alert is not heard or when the charging LED does not illuminate, check that the FOMA terminal is placed securely on the desktop holder (except when the handset is turned off, the manner mode is set or Charge alert is [OFF]).
- When placing the FOMA terminal on the desktop holder, be careful not to let a strap etc. caught.

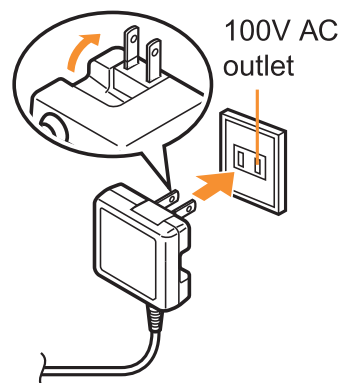
Charging by using AC adapter

- Read the user's guide of FOMA AC Adapter 01/02 (sold separately).

- 1** Open the external connector terminal cover, turn the arrow side of the AC adapter connector up and insert it horizontally into the external connector terminal (1)

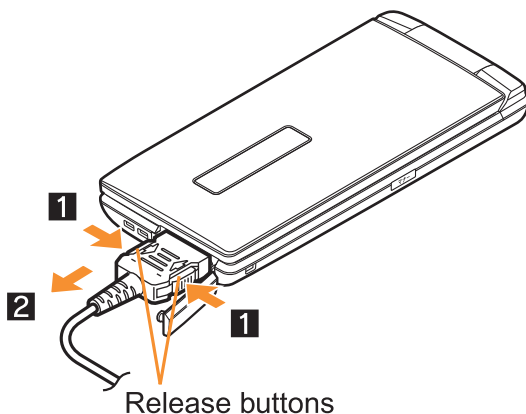


- 2** When inserting the AC adapter power plug into an outlet, the charge alert is heard, the charging LED illuminates and charging starts



- 3** When charging is complete, the charge alert is heard and the charging LED turns off
- 4** Remove the AC adapter power plug from the outlet

- 5** Keep holding the release buttons on both sides of the AC adapter connector (1), unplug it horizontally (2) and close the external connector terminal cover



- Using unnecessary force when inserting or removing the equipment may cause damage to the external connector terminal and the connector or result in a malfunction.

Turning power on

- 1** (for at least 2 seconds)
- Stand-by display appears when initial settings are complete.
 - Press for at least 2 seconds to turn the power off.

Changing screen display to English

- 1** In the Normal menu, [本体設定] (Setting) ▶ [文字表示/入力] (Text display/input) ▶ [Select language] ▶ [English]

Making initial setting

- If the setting of Password is not complete, the setting screen appears every time the power is turned on.
- Alternatively, in the Normal menu, [Setting] ▶ [Other setting] ▶ [Initial setting] to display the setting screen.

- 1** [Date and time setting] ▶ set the date and time
- 2** [Password] ▶ register a terminal security code
- 3** [Keypad sound] ▶ set the keypad sound
- 4** [Text size] ▶ set the font size collectively
- 5**

Notifying the other party of your phone number

You can display your phone number (caller ID) on the other party's phone (display) when you make a voice or videophone call.

- When you hear a message requesting caller ID, activate Caller ID notification or put "186" and make a call again.

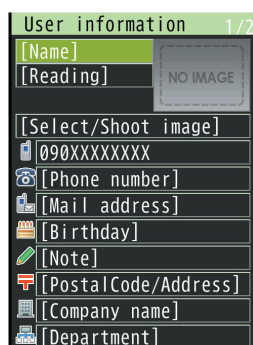
- 1** In the Normal menu, [TEL function] ▶ [Dial/Receive call setting] ▶ [Caller ID notification]
- 2** [Setting] ▶ select the setting ▶ [OK]

Checking your own phone number

- 1 In the Normal menu, [Profile]

Saving your own name and image

- 1 In the Normal menu, [Profile]
- 2 ► enter the terminal security code
- 3 Set each item ►



Changing mail address or configuring spam mail prevention

You can connect to the i-mode site for changing mail address, configuring spam mail prevention, etc. Refer to the DOCOMO website for details on setting method.

- 1 In stand-by, ► [Mail setting] ► [Address/Spam setting]
- 2 [YES]

Screen Explanation

Viewing display



Main icons

	Battery level → → → → (High ↔ Low)
	Signal strength → → → (Strong ↔ Weak) ● When [圏外] appears, the handset is outside the service area or in a place with no signal.
	i-mode
	Kid-safe mode
	Infrared communication
	Hands-free
	i-mode mail/SMS/Area Mail/Information received
	i-appli
	Alarm/Schedule
	Software update
	microSD Card
	IC card lock

	Public Mode (Drive Mode)
	Silent/Vibrator
	Manner mode
	Keypad dial lock
	Record message
	docomo mini UIM card error
	Self mode
	Bright mode
	3G/GSM
	Personal data lock
	eco mode
	1Seg recording
	USB connection

Checking notices with stock icon

Stock icons appear in the stand-by display and notify you when a call is missed, a new mail is received, etc.



Stock icons

Meanings of main marks

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

1 A stock icon appears in the stand-by display ▶ ●

2 Select the stock icon

- The stock icon disappears after you check the details.

Viewing sub display

The following shows a screen in which Clock display is set to [Stand-by clock (S)] in Display setting of Sub-display setting.



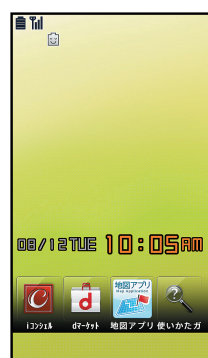
Setting and selecting menu

Set, change or register functions from the menu screens.

The explanations in this manual are based on the method for retrieving a function from the Normal menu.

Displaying each menu

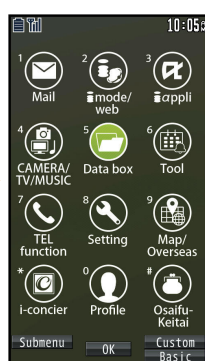
Press **ME NU** in the stand-by display to display Normal menu, Basic menu and Shortcut menu.



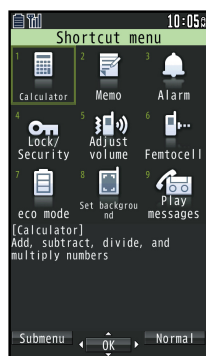
Stand-by display

ME NU

- You can change the menu which is displayed when you press **ME NU** (P. 36).



Normal menu



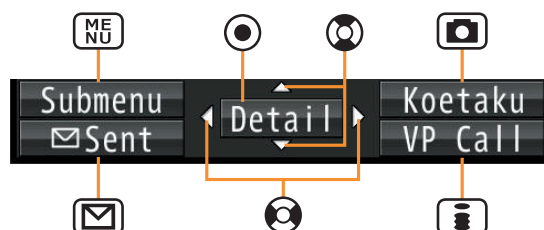
Shortcut menu



Basic menu

Operation guidance key

Use to select or execute the menus displayed in the operation guidance. The following shows the keys assigned to select or execute the menus displayed in the guidance.



Operation guidance menu

In the operation guidance, menus appear according to the function being used and situation. The following table describes examples of the main operation guidance menus that appear.

OK	Set a selected item
Submenu	Display the submenu
Agree	Check a selected image, music, etc.
Back	Return to the previous screen
Show all	Display sorted files etc. as a list
Cancel	Cancel an operation such as receiving mails
SelAll/ClrAll	Select/Cancel all selectable items
Shortcut	Add a shortcut
Close	Close the submenu screen etc.

Menu operation

- The method for selecting functions may differ depending on the Kisekae tool set for the Normal menu.

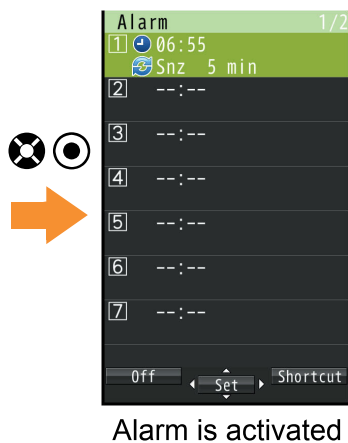
The way of activating the alarm with Multi guide key is explained as an example below.



Selecting a function from submenu

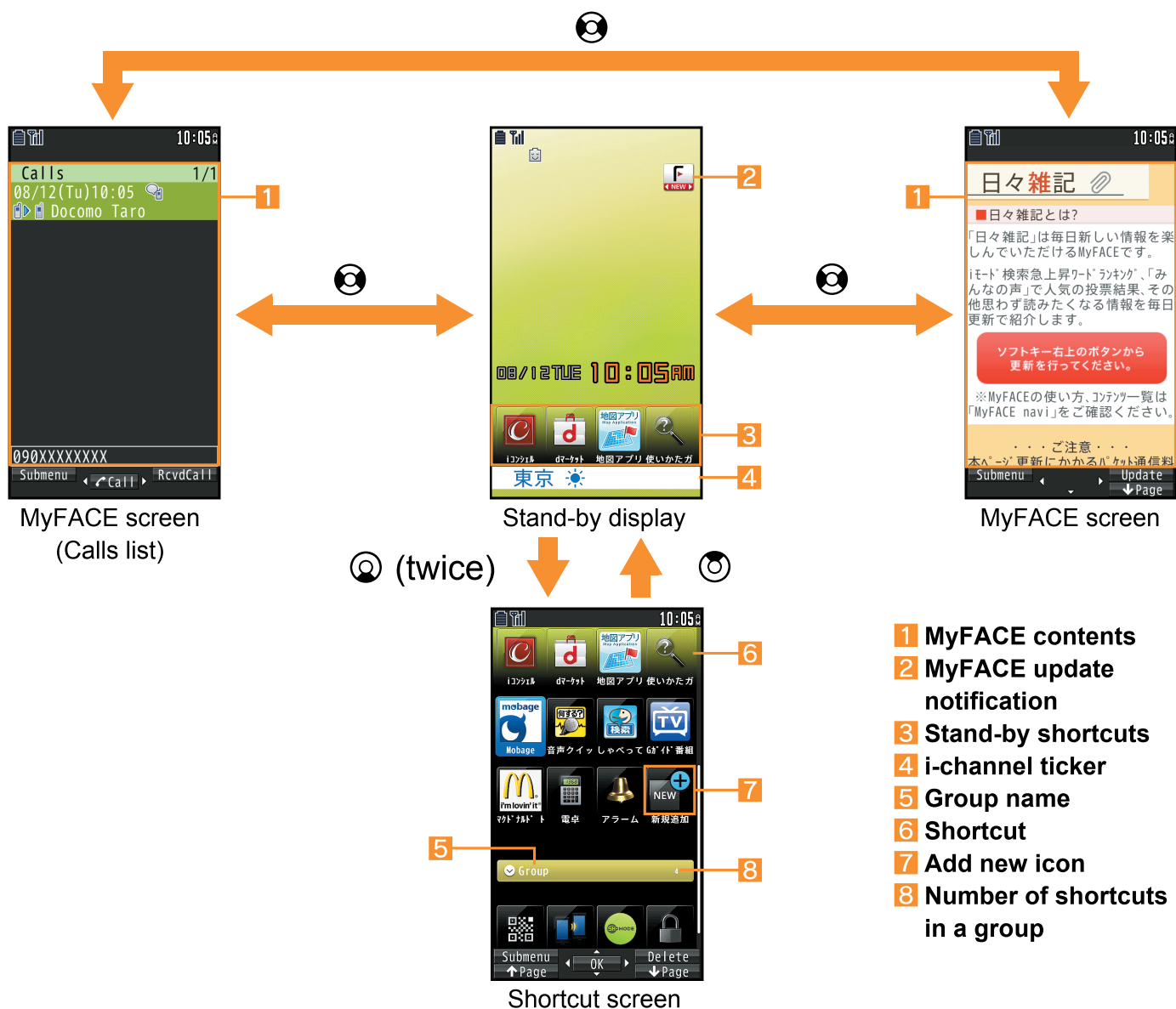
When [Submenu] appears in the operation guidance, functions (submenu) that can be used in the screen appear by pressing **[MENU]**. Select the displayed submenu with **[OK]**.

If there are multiple pages in the submenu, switch pages with **[Left/Right]**.



docomo Palette UI

When the FOMA terminal is turned on, the stand-by display appears. When you press  in the stand-by display, the MyFACE screen appears and when you press  twice, the shortcut screen appears. You can use various functions by registering contents and shortcuts in each screen.



Using MyFACE

1 In stand-by,

- To update the MyFACE contents: 

- Packet communication charges are also incurred for updating the pre-installed MyFACE contents when you change the host setting.

Setting MyFACE

1 In the Normal menu, [Setting] ▶ [Screen/Display] ▶ [MyFACE setting]

2 Select an item

- ◆ [MyFACE usage setting] ▶ select the setting
- ◆ [Update notification setting] ▶ select the setting
- ◆ [Auto-update setting when roaming] ▶ select the setting
- ◆ [Set operation when battery is low] ▶ select the setting
- ◆ [MyFACE viewer setting] ▶ select an item

[Auto-update setting when roaming]

- When you move abroad, [Don't auto-update] is set and the confirmation screen appears.
- Packet communication charges are incurred for updating any of the MyFACE contents during the international roaming.

Using shortcut

1 In stand-by, ▶

2 Select a shortcut

Creating a shortcut

Example: Normal menu

1 Point the cursor to a menu item ▶ [Create shortcut]

- Alternatively, in the shortcut screen, [新規追加] (Add new shortcut) ▶ point the cursor to an item .

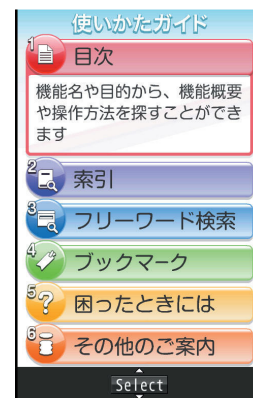
Moving a shortcut/group

1 In the shortcut screen, point the cursor to a shortcut/group ▶ (for at least 1 second) ▶ select a destination

Using Guide

※ Guide function is provided in Japanese.

Use this function when you do not know the operation method of the FOMA terminal. Guide appears and you can check the explanations and operation methods of each function. Also, you can activate functions directly from Guide.



1 In the Normal menu, [Tool] ▶ [Guide]

2 Select an item

Character Entry

Entering characters

Enter characters for functions such as phonebook and mail on the FOMA terminal.

- The explanations in this manual are based on the method for entering characters in 5-touch entry method using dial keys.

Switching entry modes

Switch entry modes to enter various types of characters.

- 1 In the character entry screen, 



Items to switch

- 2 Select the entry mode

漢	Kanji/Hiragana
ア	Full-width Katakana
7	Half-width Katakana
区	Kuten code
a	Full-width alphabet (lower case → upper case)
a	Half-width alphabet (lower case → upper case)
1	Full-width numeric
_1	Half-width numeric
A	Full-width alphabet (upper case → lower case)

A	Half-width alphabet (upper case → lower case)
---	--

Entering characters

Example: When entering “電話”

- 1 In the character entry screen, enter “でんわ”

- でんわ: 4 (four times) ▶ ☒ (once) ▶ 0 (three times) ▶ 3 ▶ 0 (once)
- To enter multiple characters assigned to the same key: Enter a character ▶ 3 ▶ enter a character

- 2 
- 3 

Entering pictograms/symbols

- 1 In the character entry screen, 

- To switch to Deco-mail pictogram/pictogram/Deco-mail picture: 
- To switch between half- and full-width symbols: 

- 2 Select a pictogram/symbol

Entering emoticons

- 1 In the character entry screen,  ▶ [Pict/Symbol/Smiley] ▶ [Smiley]

- For a mail message: In the character entry screen,  ▶ [Quote phrase/data] ▶ [Pict/Symbol/Smiley] ▶ [Smiley]

- 2 Select a category ▶ select an emoticon

Sound/Screen Setting

Changing ringtone

- 1** In the Normal menu, [Setting] ▶ [Sound/Vibration/Manner] ▶ [Ring tone]
- 2** Select an item
 - ◆ [Call ring tone]
 - ◆ [Videophone]
 - ◆ [Mail] ▶ select an item
- 3** Set each item ▶ 

- If you set a melody for the ringtone, functions related to the vibrator setting (P. 35) will be set to [OFF].

Changing ringtone volume

- 1** In the Normal menu, [Setting] ▶ [Sound/Vibration/Manner] ▶ [Adjust volume]
- 2** Select an item
 - ◆ [Alert/Call volume] ▶ select an item ▶ 
 - ◆ [Mail/Msg. alert vol] ▶ 

Changing keypad sound volume

- 1** In the Normal menu, [Setting] ▶ [Sound/Vibration/Manner] ▶ [Adjust volume]
- 2** [Operation sound] ▶ 

Setting vibrator

You can set the vibration for incoming calls, alarms and using i-appli.

- 1** In the Normal menu, [Setting] ▶ [Sound/Vibration/Manner] ▶ [Vibration mode]
- 2** Select an item
- 3** Select the vibrator

- Note that if you set the vibrator and leave the FOMA terminal on a table etc., it may fall due to vibration.

Using manner mode

You can switch the FOMA terminal not to emit sounds.

- The following sounds are not silenced even when the manner mode is set.
 - Shutter sound of the camera
 - Record start/end sound of the camera
 - Record start/end sound of the voice recorder
 - Personal alarm sound
- The vibrator is activated regardless of the manner mode settings when the earthquake early warning is received while the manner mode is set. In addition, when any of the following sounds is set to ring in Personalized, the dedicated alarm tone (beep sound) also sounds.
 - Keypad sound
 - Mail alert volume
 - Alarm sound
 - Call alert volume
 - Low Battery alert

1 In the Normal menu, [Setting] ▶ [Sound/Vibration/Manner] ▶ [Silent mode]

2 Select a type

- ◆ [General]
- ◆ [Personalized] ▶ set each item ▶ 
- ◆ [Silent manner mode]
- []/[] appears when the manner mode is set.

Disabling manner mode

- In stand-by,  (for at least 1 second)

Changing screen setting

Changing main display

1 In the Normal menu, [Setting] ▶ [Screen/Display] ▶ [Stand-by display setting] ▶ [Image/i-appli]

2 Select an item

Changing menu display

You can set the menu which is displayed when you press  in the stand-by display.

1 In the Normal menu, [Setting] ▶ [Screen/Display] ▶ [Menu preference]

2 [Select startup menu] ▶ select a menu

- Following menus can be set.
 - **Normal menu:** You can select the preset Kisekae tool ( P. 37) and set it. Each Kisekae tool consists of different functions and designs. Also, you can use Kisekae tool downloaded from a site etc.
 - **Basic menu:** You can select an icon displayed on the menu to retrieve the function. Also, enter a function number assigned to the Setting menu to retrieve the function quickly.
 - **Shortcut menu:** You can register functions frequently used, people or groups and create a customized menu.

Changing font size

- 1 In the Normal menu, [Setting] ▶ [Text display/input] ▶ [Font size]
- 2 Select an item ▶ select the font size

Changing Machi-chara setting

A character appears in the stand-by display when you set Machi-chara.

- 1 In the Normal menu, [Setting] ▶ [Screen/Display] ▶ [Machi-chara setting]
- 2 [Display setting] ▶ set each item ▶ 

Setting to talk with Machi-chara

You can set whether to output Machi-chara voices when you use Voice Quick Start (in Japanese only).

- Pre-installed [メイちゃん] and [セイリアン] are compatible with Machi-chara chat setting.

- 1 In the Normal menu, [Setting] ▶ [Sound/Vibration/Manner] ▶ [Machi-chara chat setting]
- 2 Select the setting
 - ◆ [ON] ▶ select the voice output destination
 - ◆ [OFF]

Setting Kisekae tool

You can change the Normal menu screen, stand-by display, menu icon, ringtone, etc. collectively.

- 1 In the Normal menu, [Setting] ▶ [Screen/Display] ▶ [Kisekae Tool setting]
- 2 Point the cursor to Kisekae tool ▶  ▶ [Yes]
 - To check data: Select Kisekae tool (to display the data list screen in Kisekae tool) ▶ select data

Setting illumination

- 1 In the Normal menu, [Setting] ▶ [Backlight/Illumination] ▶ [Light alert]
- 2 Select an item
- 3 Set each item ▶ 

Checking missed calls or new mails

- 1 In the Normal menu, [Setting] ▶ [Screen/Display] ▶ [Each display setting]
- 2 [Info display & light] ▶ select an item
 - Following items can be set.
 - **Caller/Sender info**: Set whether to display the phone number and name etc. registered in the phonebook when receiving a call or mail.
 - **Indicator light**: LED flashes at approximately 4-second intervals and notifies you of missed calls and new mails.

Setting eco mode

- 1 In the Normal menu, [Setting] ▶ [Battery] ▶ [eco mode]
- 2 Select the setting
 -  appears when the eco mode is set.

eco mode auto-start setting

- 1 In the Normal menu, [Setting] ▶ [Battery] ▶ [eco mode auto-start set.]
- 2 Select an item
 - ◆ [Auto-start ON/OFF] ▶ select the setting
 - ◆ [Start method] ▶ select an item ▶ set each item ▶ 
 - ◆ [eco mode item set.] ▶ select an item ▶ 
 - You can set items that become selectable when you set the eco mode.
 - When you point the cursor to the item,  at the bottom of the display changes according to how great the effect is when setting the item. The more  there are, the greater the effect will be.
 - ◆ [Return to default] ▶ [Yes]
 - ◆ [Check user's guide]
 - When eco mode is set to [OFF] while eco mode auto-start set. is enabled,  appears.

Setting light of display and keypad

- 1** In the Normal menu, [Setting] ▶ [Backlight/Illumination] ▶ [Display light]
- 2** Select an item
 - ◆ [Display light time] ▶ select an item ▶ select the setting
 - You can set the light to be turned off when the FOMA terminal is not in use for a set length of time in specific situations.
 - ◆ [Light time-out] ▶ select the time
 - Display is turned off when the FOMA terminal is not in use for a set length of time.
 - ◆ [Brightness] ▶ 
 - You can select from five display brightness levels. Check the brightness while adjusting it.
 - ◆ [Keypad backlight] ▶ select the setting ▶ 

Using bright mode

To make the screen easy to see even under the sunlight, the bright mode displays the display brightly and clearly.

- 1** 
 - When you set the bright mode, [] is displayed.

Disabling bright mode

- 

Lock/Security

Various security codes

Some functions for convenient use of the FOMA terminal require security codes.

Precautions about various security codes

- Do not use easily predictable numbers for security codes to be set such as “birthday”, “part of a phone number”, “address or room number”, “1111” or “1234”. Keep a separate memo of security codes.
- Keep security codes private. If the security codes are found and improperly used by others, DOCOMO shall not be liable for any damages incurred on the users.
- If you forget your security codes, you are required to bring your identification (a driver’s license etc.), your FOMA terminal and your docomo mini UIM card to a docomo Shop.
For details, contact the number listed in “General Inquiries” on the last page.
- PUK (PIN Unlock Key) is described in the agreement form (customer copy) you received at the time of subscription at a docomo Shop. If you made a subscription at a shop other than a docomo Shop, bring your identification (a driver’s license etc.) and your docomo mini UIM card to a docomo Shop or contact the number listed in “General Inquiries” on the last page.

Terminal security code (Default: 0000)

- If you enter the wrong terminal security codes five times continuously, the error screen appears and the power is turned off.

Changing terminal security code

- 1** In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Change security code] ▶ enter the current terminal security code
- 2** Enter the new terminal security code
- 3** Enter the new terminal security code again
- 4** 

Password (Default: 1111)

Password is a security code to be used instead of the terminal security code when you need to enter it in Kid-safe mode. Use the password just for your kids.

Changing password

- Operate after setting Kid-safe mode to [ON] (P. 43).
 - You cannot set the same string of numbers for a password as that for a terminal security code.
- 1** In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Kid-safe mode] ▶ enter the terminal security code ▶ [Password setting]

- 2** Enter the new password ▶ enter the new password again ▶ 

Network security code (At subscription: Set any code)

Network security code is a four-digit code required for confirming the subscriber's identity when an order is received at a docomo Shop, docomo Information Center or “お客様サポート” (user support) (in Japanese only), used for accessing various network services, etc.

Changing network security code

- 1** In stand-by,  ▶ [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)

i-mode password (At subscription: 0000)

A four-digit “i-mode password” is required to register/delete sites in マイメニュー (My menu) or subscribe to/cancel message services, charged i-mode services, etc. (Additionally, information providers may set their own passwords)

Changing i-mode password

- 1** In stand-by,  ▶ [English] ▶ [Options] ▶ [Change i-mode Password]

PIN1 code/PIN2 code

(At subscription: 0000)

You can set two security codes, PIN1 code and PIN2 code, on the docomo mini UIM card.

The PIN1 code is a four- to eight-digit security code that needs to be entered for recognizing the user of the handset every time a docomo mini UIM card is inserted in the FOMA terminal or when the FOMA terminal is turned on to prevent unauthorized use of the docomo mini UIM card by a third party. Making/Receiving a call and the device operation are enabled by entering the PIN1 code. The PIN2 code is a four- to eight-digit security code that is entered for performing operations such as resetting total call charges.

- If you enter wrong PIN1 codes or PIN2 codes three times continuously, it is locked.

Setting PIN code

1 In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [UIM setting]

2 Select an item

- ◆ [Change PIN1 code] ▶ enter the terminal security code ▶ enter the current PIN1 code ▶ enter the new PIN1 code ▶ enter the new PIN1 code again ▶ 
- When PIN1 entry ON/OFF is set to [OFF], you cannot change the PIN1 code.

- ◆ [Change PIN2 code] ▶ enter the terminal security code ▶ enter the current PIN2 code ▶ enter the new PIN2 code ▶ enter the new PIN2 code again ▶ 
- ◆ [PIN1 entry ON/OFF] ▶ [ON] ▶ enter the PIN1 code
 - You can set to enter the PIN1 code when the power is turned on.

Disabling PIN lock

1 In the PUK entry screen, enter PUK (eight-digit number) while the PIN is locked

2 Enter a new PIN code

3 Enter the new PIN code again

4 

PUK (PIN Unlock Key)

You cannot change the code.

PUK is an eight-digit number used to disable the PIN1/PIN2 code lock.

- If you enter the wrong codes ten times continuously, the docomo mini UIM card is completely locked. In this case, contact a docomo Shop.

Various lock functions

Lock function	Operation/Restriction
All lock*	Prevents all operations other than power on/off and answering voice/ videophone calls. ● Enable: In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Lock settings] ▶ [All lock] ▶ enter the terminal security code ● Disable: In stand-by, enter the terminal security code
Omakase Lock	Omakase Lock is a service to lock the personal data such as phonebooks and IC card functions of Osaifu-Keitai in case of loss, etc. only by requesting DOCOMO to do so via phone. Set/Release Omakase Lock  0120-524-360 Office hours: 24 hours (in Japanese only) (open all year round) ※ Unavailable from part of IP phones. ● Omakase Lock can also be set/ released from the My docomo website using PCs etc. ● Refer to the DOCOMO website for details on Omakase Lock.
Self mode*	Prevents communication such as calls, i-mode mails, i-mode, iC communication or infrared communication. ● Enable/Disable: In the Normal menu, [Setting] ▶ [Other setting] ▶ [Self mode] ▶ select the setting ▶ [Yes]

Lock function	Operation/Restriction
Personal data lock	Prevents mails, personal information, etc. from being displayed. ● Enable/Disable: In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Lock settings] ▶ [Personal data lock] ▶ enter the terminal security code ▶ select the setting
Keypad dial lock*	Prevents calls or i-mode mails/SMSs from being made or sent to a number not registered in the phonebook. ● Enable/Disable: In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Keypad dial lock] ▶ enter the terminal security code ▶ select the setting
Auto-key lock*	Prevents key operation automatically when the FOMA terminal is closed or the set time has passed after the display is turned off. ● Enable/Disable: In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Lock settings] ▶ [Auto-key lock] ▶ select the lock type ▶ enter the terminal security code ▶ set each item ▶  ● Disable Lock on close temporarily: Open the FOMA terminal and enter the terminal security code ● Disable Display off lock temporarily: Press any key to show the display ▶  ▶ enter the terminal security code

Lock function	Operation/Restriction
Kid-safe mode	Restricts operations and settings of some functions for appropriate use of the FOMA terminal by children. ● Enable/Disable: In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Kid-safe mode] ▶ enter the terminal security code ▶ [Kid-safe mode] ▶ select the setting
IC card lock	Locks to prevent the use of IC card functions. ● Enable/Disable: In the Normal menu, [Osaifu-Keitai] ▶ [IC card lock setting] ▶ [IC card lock] ▶ enter the terminal security code ▶ select the setting

* You can make a call to the emergency number (110, 119, and 118). When All lock/Auto-key lock is set, enter a phone number and press  or  in the terminal security code entry screen. In this case, the phone number turns [***].

Incoming call restriction

Setting response to a call with no caller ID

You can set different responses when caller ID is not notified depending on the non-disclosure reason.

- The followings are the types of non-disclosure reason.
 - Anonymous ■ Payphone ■ Unavailable

1 In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Call rejection setting]

2 Select an item

- ◆ [Anonymous] ▶ enter the terminal security code ▶ set each item ▶ 
- ◆ [Payphone] ▶ enter the terminal security code ▶ set each item ▶ 
- ◆ [Unavailable] ▶ enter the terminal security code ▶ set each item ▶ 

Rejecting a call from a caller unset in phonebook

- 1 In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Call rejection setting]
- 2 [Unregistered caller] ▶ enter the terminal security code ▶ select the setting

Resetting to default

Resetting various functions

- 1 In the Normal menu, [Setting] ▶ [Other setting] ▶ [Reset]
- 2 Enter the terminal security code
- 3 Select an item ▶  ▶ [Yes]

Deleting registered data collectively

You can delete all data saved by yourself and reset the settings of each function to default.

- Protected data in the FOMA terminal is also deleted.

- 1 In the Normal menu, [Setting] ▶ [Other setting] ▶ [Delete all data]
- 2 Enter the terminal security code ▶ [Yes]

Call

Making a voice/videophone call

- The FOMA terminal does not have a camera inside, so images which you send to the other party are Chara-den, still pictures or images being shot with the camera on the back of the FOMA terminal.
- DOCOMO videophones comply with "3G-324M as standardized by the international 3GPP standard". Connection is not available with videophones using other standards.

Making a call by entering a phone number

- 1 In stand-by, enter a phone number**
 - Start with the city code.
- 2**  (Voice call)/ (V.phone)
- 3**  to end the call

Making a call from phonebook

- 1 In stand-by, ☺**
- 2 Point the cursor to the name**
- 3**  (Voice call)/ (V.phone)

Making a call with redials/received calls

The FOMA terminal keeps a record of the 30 most recent items in each history.

- 1 In the Normal menu, [TEL function] ▶ [Dialed/Received calls] ▶ [Received calls]/[Redial]**
- 2 Point the cursor to the history**
- 3**  (Voice call)/ (V.phone)

Using service of Koe-no-Takuhaibin

If your message is recorded, SMS notifies the other party that your message has been recorded. You can play messages using the Phone To function from received SMSs.

- Refer to the DOCOMO website for details.

When you record a Koe-no-Takuhaibin

- 1 In stand-by, enter a phone number**
▶ 
- 2 Record a message by following the voice guidance**
 - SMS notifies the other party that your message has been recorded.

When you play a Koe-no-Takuhaibin

- 1 Select a record notice SMS**
- 2 [再生] (Play) ▶ [Phone] ▶** /
 - Alternatively, in the Normal menu, [TEL function] ▶ [Koe-no-Takuhaibin] ▶ [Message confirm(voice)] ▶ [Yes].

Making an international call

WORLD CALL is an international calling (voice or videophone call) service available from DOCOMO FOMA terminals in Japan.

WORLD CALL is registered when FOMA services are registered (excluding users who did not apply for WORLD CALL).

- WORLD CALL charges are billed together with the monthly FOMA service call charges.
- Commission and monthly usage fees are free.
- Contact the number listed in “General Inquiries” on the last page for details on WORLD CALL.
- To make an international call through a company other than DOCOMO, contact the respective companies for instructions.

1 In stand-by, enter “+” (0) for at least 1 second), country code, area code (city code) and phone number

- For the other parties’ phone numbers and area codes (city codes) that begin with “0”, omit the first “0” when entering (except some countries or regions such as Italy).

2 (Voice call)/ (V.phone)

3 [Yes]

Receiving a voice/videophone call

1 When a call is received, the ringtone sounds and the called LED flashes

- When the caller does not notify the caller ID, a non-disclosure reason message appears.
 - [User Unset]: When the caller purposely withholds the caller ID
 - [PublicPhone]: When the call is received from a payphone etc.
 - [Unavailable]: When the caller cannot notify the caller ID, such as when the call is received from overseas or from an ordinary (land-line) phone via various transfer services

2

3 to end the call

Adjusting earpiece volume

1 During a call,

When you cannot answer a call

Setting record message (voice/videophone calls)

If you set record message, the FOMA terminal answers a call and records the caller's message when you cannot answer.

- Up to four record messages (voice/videophone calls) (approximately 30 seconds per message) can be recorded in total. The number of voice/movie memos recorded during a call and voice memos in stand-by is not included.

1 In the Normal menu, [TEL function] ▶ [Record message/Voice memo] ▶ [Record message]

2 [ON]

- Recorded contents may be lost due to malfunctions, repairs or other handling of the FOMA terminal. DOCOMO shall not be liable for any loss of content. It is recommended that a memo be kept of contents for record message (voice/videophone calls).

Playing record message

1 In the Normal menu, [TEL function] ▶ [Record message/Voice memo] ▶ [Record message list]

2 Select a message

3 [No]

Setting Public Mode (Drive Mode)

When Public Mode (Drive Mode) is set, the caller hears a message stating that you are driving or otherwise unable to answer because you are in a place that does not allow the use of mobile phone and the call is automatically disconnected.

- A ringtone does not sound when a voice/videophone call is received. The stock icon [] appears on the display and the call is saved in Received calls.

1 In stand-by, [X] (for at least 1 second)

Disabling Public Mode (Drive Mode)

- In stand-by, [X] (for at least 1 second)

- If you make a call to the emergency number (110, 119, and 118) while Public Mode (Drive Mode) is set, it is disabled after the call ends.

Setting Public Mode (Phone OFF)

If Public Mode (Phone OFF) is set, when a call is received with the power turned off, the caller hears a message stating that you are unable to answer because you are in a place that does not allow the use of mobile phone and the call is automatically disconnected.

1 In stand-by, [X] [2] [5] [2] [5] [1] ▶ []

Disabling Public Mode (Phone OFF)

- In stand-by, [X] [2] [5] [2] [5] [0] ▶ []

Using various network services

- You can use the following DOCOMO network services on the FOMA terminal.

Service name	Subscription	Monthly fee
Voice Mail Service	Necessary	Fees apply
Missed Call Notification Service	Not necessary	Free
Call Waiting Service	Necessary	Fees apply
Call Forwarding Service	Necessary	Free
Nuisance Call Blocking Service	Not necessary	Free
Caller ID Notification Service	Not necessary	Free
Public Mode (Drive Mode)	Not necessary	Free
Public Mode (Phone OFF)	Not necessary	Free
Caller ID Display Request Service	Not necessary	Free
English Announcement Service	Not necessary	Free
Multi number	Necessary	Fees apply
2in1	Necessary	Fees apply
Melody Call	Necessary	Fees apply
Koe-no-Takuhaibin	Not necessary	Free

- Network services are not available outside the service area or in a place with no signal.
- Refer to the DOCOMO website for details on each network service.

- For subscription and inquiries, contact the number listed in “General Inquiries” on the last page.

Setting Voice Mail Service

- In the Normal menu, [TEL function] ▶ [Voice mail service]
- [Activate] ▶ [Yes] ▶ [Yes] ▶ enter the ringing time ▶ [OK]

Setting Call Waiting Service

- In the Normal menu, [TEL function] ▶ [Other network service] ▶ [Call waiting]
- [Activate] ▶ [Yes] ▶ [OK]

Setting Call Forwarding Service

- In the Normal menu, [TEL function] ▶ [Other network service] ▶ [Call forwarding]
- [Activate] ▶ [Yes] ▶ [Yes] ▶ enter a phone number ▶  ▶ [Yes] ▶ enter the ringing time ▶ [OK]

Emergency call

Emergency calls	Phone number
Police	110
Fire and ambulance	119
Marine emergency	118

- The FOMA terminal supports “Emergency call location notification”.

When you make a call to an emergency number such as 110, 119 and 118, the information of your location (location information) is automatically notified to the agency that has received the emergency call (e.g. the police station). Depending on your location and the reception status of the signal, the agency that has received the emergency call may not be able to confirm the exact location.

If you are not sending your caller ID by calling with “184” added or other means, your location information and phone number are not notified. However, if the agency that has received the emergency call considers your location information and phone number necessary for important purposes, such as life saving, the agency may retrieve them regardless of your settings. In addition, the area/timing to introduce “Emergency call location notification” depends on the state of preparation in each agency that receives emergency calls.

- When calling 110, 119 and 118 from your FOMA terminal, the police or fire stations may return your call for verification purposes. State that you are calling from a mobile phone, and give your phone number and exact present location.
Remain stationary to ensure that the call is not disconnected while you are on the line, and keep the handset turned on to receive calls for approximately 10 minutes afterwards.
- Depending on the region, calls to the police or fire station of the local area may not be made.

- If you make a videophone call to 110, 119 or 118 with the FOMA terminal, the call is disconnected. When Auto redial as voice is set to [ON], the call is automatically switched to the voice call and made again.
- Calls can be received for approximately 5 minutes after ending an emergency call regardless of the setting of Specified caller, Unregistered caller or Arrival call act. It is enabled again approximately 5 minutes after ending an emergency call.
- You can call to an emergency number (110, 119 or 118) even while Self mode/Public Mode (Drive Mode) is set. It is disabled after the call is made.

Using overseas

International roaming (WORLD WING) is a service that enables you to use the same phone number and mail address of the handset as you use in Japan in the service area of DOCOMO affiliated overseas network operators. You can use call, SMS and i-mode mail without any changes in settings.

Available area

The FOMA terminal is rated as Class 4. You can use it in the 3G network and GSM/GPRS network service areas. In addition, this service is available in countries and regions supporting 3G 850 MHz/ GSM 850 MHz. Check the available area.

Refer to the followings before using the handset overseas.

- “Mobile Phone User’s Guide [International Services]”
- DOCOMO International Services website

Subscription

- Check the status of a subscription for WORLD WING. For details, contact the number listed in “General Inquiries” on the last page.

Charge

- Overseas charges (call charges, packet communication charges) differ from those in Japan. For details, refer to “Mobile Phone User’s Guide [International Services]” or the DOCOMO International Services website.
- When a call is received during international roaming, the call is forwarded from Japan. Charges for connecting a call to Japan are incurred by the caller and receiving charges by the receiver.

Inquiries

- When the FOMA terminal or the docomo mini UIM card is lost or stolen overseas, promptly contact DOCOMO and conduct a procedure for canceling the use of service from your country of stay. Refer to the last page for inquiries. Note that communication/call charges after the FOMA terminal or the docomo mini UIM card is lost or stolen are incurred to the subscriber.
- For country codes, international call access number, universal number international prefix and information on countries and regions where connections are available and available network operators, refer to “Mobile Phone User’s Guide [International Services]” or the DOCOMO International Services website.

Available services overseas

Main communication service	3G	3G 850	GSM (GPRS)
Voice call ^{*1}	○	○	○
Videophone ^{*1}	○	○	×
SMS	○	○	○
i-mode ^{*2}	○	○	○
i-mode mail	○	○	○
i-channel ^{*2, 3}	○	○	○
i-concier ^{*4}	○	○	○
i-Widget ^{*5}	○	○	○
Packet communication by connecting a PC	○	○	○

^{*1} When 2in1 is used, calling from Number B is not available. When Multi number is used, you cannot make calls using an additional number.

^{*2} Overseas use settings for i-mode are required.

^{*3} Overseas use settings for i-channel are required. Packet communication charges for automatically updating information provided by Basic Channel are incurred (included in i-channel usage fee in Japan).

^{*4} Overseas use settings for i-concier are required. Packet communication charges are incurred for each information reception.

^{*5} Overseas use settings for i-Widget are required. Multiple Widget Appli may attempt communication when i-Widget screen appears. In this case, packet communication charges are incurred for each communication.

- Some services may not be available depending on the network operator or network.

Making a call outside your country of stay (including Japan)

Make a call from your country of stay to Japan or other countries.

- 1 In stand-by, enter “+” (0 for at least 1 second), country code, area code (city code) and the other party’s phone number

- When the area code (city code) begins with “0”, omit the first “0” when dialing (Include the “0” when making a call to some countries or regions such as Italy).

- 2 (Voice call)/(V.phone)

Making a call in your country of stay

You can make a domestic call in your country of stay in the same way as you do in Japan.

- 1 In stand-by, enter a phone number

- 2 (Voice call)/(V.phone)

Making a call to a WORLD WING subscriber overseas

When you make a call to a WORLD WING subscriber overseas, the call is made as an international call to Japan regardless of whether the call is made to the inside or outside of your country of stay.

- 1 In stand-by, enter “+” (0 for at least 1 second), country code “81” (Japan) and the other party’s mobile phone number excluding the first “0”

- 2 (Voice call)/(V.phone)

Mail

You can exchange mails with not only DOCOMO subscribers but also anyone who has an Internet mail address such as one on a mobile phone and smartphone provided by another carrier, one on a PC, etc. just by subscribing to i-mode.

You can attach up to ten files (pictures, moving picture files, etc.) equivalent to 2 MB or less in total in addition to a message.

Also, Deco-mail is available. You can easily send an expressive mail by using Deco-mail pictograms or Deco-mail pictures and changing the character color and size or background color in a message.

- Refer to the DOCOMO website for details on i-mode mail.

Sending i-mode mail

- 1 In stand-by, [Envelope] ▶ [Compose message]
- 2 Select the TO field ▶ enter an address
 - When selecting [Search phonebook], you can enter up to 50 addresses at the same time.
- 3 Select the SUB field ▶ enter a subject
- 4 [Message] ▶ enter a message
 - To decorate the mail automatically: After entering a message, [Auto-Decome] in the mail composition screen
 - To move on to the next candidate: [Next]
 - To attach files: Select the attachment field in the mail composition screen ▶ select a file to attach

5 [Image]

Creating Deco-mail/ Decome-Anime

Creating Deco-mail

When composing an i-mode mail, you can decorate it such as by changing the color and font size in a message, inserting images such as Flash images or changing the background color.



- 1 In the message entry screen, [Menu] ▶ [Decorate mail]

2 Decorate



- Select a decoration method from the palette or submenu, set the contents of decorating and enter a message.

Creating Decome-Anime

Decome-Anime is an expressive mail service that uses templates for Decome-Anime and Flash images with a message or an image inserted.



- 1 In stand-by, [Envelope] ▶ [Create new Decome-Anime] ▶ [Edit]
- 2 Point the cursor to a template ▶ [Image]
- 3 Select an item to edit
 - ◆ [Image] ▶ select an item ▶ edit
 - ◆ [Text] ▶ edit
 - ◆ [Image] ▶ [Select image] ▶ point the cursor to an image ▶ [Image]
- 4 [Image]

Checking received i-mode mail

- 1 Receive an i-mode mail automatically
- 2 After the reception, the screen notifying that the mail has been received appears and the i-mode mail ringtone sounds
 - If no operations are performed in the screen notifying that the mail has been received for approximately 15 seconds, the screen displayed before the reception automatically reappears.
- 3 [Mail] ▶ select a mail

- [-END-] appears at the end of the message. When the limit to the number of receivable characters is exceeded, [/] or [/] appears and the exceeding portion is automatically deleted.

Displaying a mail in Inbox/Outbox/Unsent messages

- 1 In stand-by, 
- 2 Select a box
- 3 Select a mail

Replying to i-mode mail

- 1 In the received mail details screen,  ▶ [Reply/Forward]
- 2 Select the reply method
 - ◆ [Reply]
 - ◆ [Reply with quote]
 - ◆ [View reply]
 - ◆ [Quick reply] ▶ select a message
 - ◆ [Decome-Anime reply]
 - ◆ [Vreply Decome-Anime]
- 3 Compose and send a mail

Checking new i-mode mail

Received i-mode mails and Message R/F are stored at the i-mode center if they are sent to your handset while it is outside the service area, in Self mode or when the power is turned off. You can check and receive those mails from the i-mode center.

- 1 In stand-by,  ▶ [Check new mail/message]

Sorting i-mode mail

Set Sort rules for user folders and sort i-mode mails and SMSs automatically according to the setting.

- 1 Point the cursor to a folder ▶  ▶ [Sort rules]
- 2 Select a number to save
- 3 Set a sort rule
- 4 Repeat step 2 and 3 to set multiple sort rules
- 5 

Early warning “Area Mail”

Area Mail is a service which enables you to receive earthquake early warnings etc. sent from the Japan Meteorological Agency.

- Area Mail is a free service that does not require a subscription.
- Area Mail is received without i-mode subscription.

Receiving Area Mail

- 1 Receive an Area Mail automatically
- 2 When the Area Mail is received, the dedicated alarm tone (beep sound) or Area Mail dedicated ringtone sounds and the called LED flashes
 - After receptions, some Area Mails automatically display the message, while others display [Area mail received].
 - When [Area mail received] appears, the screen displayed before the reception automatically reappears approximately 30 seconds later.

Setting Area Mail

- 1 In stand-by,  ▶ [Mail setting] ▶ [Early warning “Area Mail” setting]
- 2 Select an item
 - ◆ [Receive setting] ▶ select the setting
 - ◆ [Beep time] ▶ enter the duration of the beep sound to be rung
 - ◆ [Manner/Public mode setting] ▶ select the setting
 - ◆ [Check ring tone] ▶ select an item
 - ◆ [Other] ▶ [Receive entry] ▶ enter the terminal security code ▶  ▶ enter the Area Mail name ▶ enter MessageID ▶ 

Using SMS

You can use SMS that enables you to use a mobile phone number as an address.

Sending SMS

- 1 In stand-by,  ▶ [Compose new SMS]
- 2 Select the TO field ▶ enter an address
- 3 [Message] ▶ enter a message
- 4 

Checking received SMS

- 1 Receive an SMS automatically
- 2 After the reception, the screen notifying that the SMS has been received appears and the SMS ringtone sounds
- 3 [Mail] ▶ select the SMS

Phonebook

You can use the FOMA terminal phonebook and docomo mini UIM card phonebook.

Adding phonebook entries

- The following items can be added to one phonebook entry.
 - FOMA terminal phonebook: Memory number, name, reading, image/moving picture, group, phone number, mail address, birthday, text memo, postal code/postal address, company name, department, job title and URL
 - docomo mini UIM card phonebook: Name, reading, group, phone number and mail address
- Reading is entered automatically when you enter a name.

Adding new phone number, mail address, etc.

- 1 In the Normal menu, [TEL function] ▶ [Phonebook] ▶ [Add to phonebook]/[UIM operation]
- 2 Set each item ▶ 

Adding entries from redials/ received calls to phonebook

- 1 In the Normal menu, [TEL function] ▶ [Dialed/Received calls] ▶ [Received calls]/[Redial]
- 2 Point the cursor to the history ▶  ▶ [Add] ▶ [Add to phonebook]
- 3 Set each item ▶ 

Collectively registering phone numbers/mail addresses displayed in a mail

- 1 In the mail details screen, select mail addresses or phone numbers
- 2 [Reg all number/address] ▶ register them in the phonebook
 - You can collectively register up to three phone numbers or mail addresses respectively.

Editing phonebook entries

- 1 In stand-by,  ▶ point the cursor to a name ▶  ▶ [Edit/Settings] ▶ [Edit]
- 2 Edit the phonebook entry ▶ 
- 3 Add to the phonebook
 - ◆ [Overwrite]
 - ◆ [New entry]

Deleting phonebook entries

- 1 In stand-by,  ▶ point the cursor to a name ▶  ▶ [Delete]
- 2 Select the deletion method

i-mode/Full Browser

Viewing i-mode site

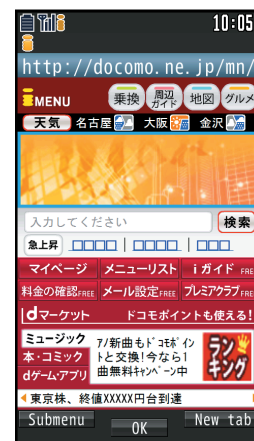
i-mode enables you to use online services, such as connection to sites and the Internet, and i-mode mail, using the display of i-mode compatible handsets.

- i-mode is a paid service that requires a subscription.
- Refer to the DOCOMO website for details on i-mode.

Using i-mode

- Sites and websites on the Internet are generally protected by the Copyright Act. Selling and redistributing whole or a part of texts, images or other data downloaded to i-mode compatible handsets from these sites and websites for non-personal use regardless of whether they are altered or not without rightful party's consent are prohibited.
- Still pictures/Moving pictures/Melodies downloaded from sites, attached files sent/received by mail (still pictures/moving pictures/melodies, etc.), "Screen memos", "Message R/F", etc. cannot be displayed/played if another docomo mini UIM card is inserted or the handset is turned on without a docomo mini UIM card.
- If a file to which access is restricted by a docomo mini UIM card is set as the stand-by display, ringtone, etc. and another docomo mini UIM card is inserted or the handset is turned on without a docomo mini UIM card, the settings are reset to default.

- 1 In stand-by, 
- 2 Select an item



Viewing websites designed for PC

You can view sites that are not supported by i-mode on the FOMA terminal by using Full Browser in the same way as you do on a PC.

- Note that making a communication with large-volume data, such as viewing a website with many images and downloading data, will lead to higher communication charges.

- 1 In the Normal menu, [i-mode/web] ▶ [Full Browser Home]

- Some sites with large amounts of information do not appear properly.

Switching browsers

For i-mode

- 1 While viewing sites with i-mode, **[MENU] ▶ [Full Browser] ▶ [Switch to FB]**

For Full Browser

- 1 While viewing sites with Full Browser, **[MENU] ▶ [i-mode Browser] ▶ [Switch to i-mode]**

- Note that different communication charges are incurred when switching between i-mode and Full Browser.

Viewing and operating sites

Selecting a link and moving to a new screen

Normally, text string to which a link is set appears in blue. A selected link is highlighted.

- Some links may be set to images. If you select, the image is outlined.

- 1 While viewing sites, select a link

Moving to previous/next page

The FOMA terminal saves sites you viewed. Press **[Envelope]**/**[Info]** to show the memory without communication. This memory is called the “cache”.



- Information such as previously entered characters and settings is not viewed when you view pages saved in the cache.
- The cache is reset by ending i-mode/Full Browser.

- When switching from i-mode to Full Browser, you can return to the page having been viewed with i-mode by pressing **[Envelope]**. Likewise, when switching from Full Browser to i-mode, you can return to the page having been viewed with Full Browser by pressing **[Envelope]**.

Saving frequently accessed sites

You can save frequently accessed sites and URLs of websites on the Internet as bookmarks for convenient access.

- 1 While viewing sites,  ▶ [Bookmark] ▶ [Add bookmark]
- 2 [OK]
- 3 Select a folder

Viewing sites from bookmarks

- 1 In the Normal menu, [i-mode/web] ▶ [Bookmark]
- 2 Select a bookmark
 - Bookmarks are listed in order of older date and time of use.
 - Connection is made with i-mode from i-mode bookmarks, while it is made with Full Browser from Full Browser bookmarks.

Saving site contents

You can save screens from your favorite sites etc. as screen memos to the FOMA terminal or a microSD Card.

- 1 While viewing sites,  ▶ [Screen Memo] ▶ [Save screen memo]
- 2 Select a save destination ▶ [Yes]
 - The screen memo is saved.
 - To save the screen capture only: Select a save destination ▶ [Only displayed]

- Some screens may not be saved as screen memos depending on the site such as when the size of a site is zero-byte or a site is set not to be saved as screen memos.

Displaying screen memos

- 1 In the Normal menu, [i-mode/web] ▶ [Screen Memo]
- 2 Select a screen memo
 - If the screen memo is from i-mode, select one of its links to connect to i-mode. Likewise, if the screen memo is from Full Browser, select one of its links to connect to Full Browser.

i-channel

※ The i-channel service is provided in Japanese. **i-channel is a service that sends news, weather and other information to i-channel compatible handsets. The latest information received automatically is displayed in the stand-by display as a ticker. Additionally, press CLR (CH) to display the latest information in a list of channels.**

i-channel is a paid service that requires a subscription (i-mode agreement is required for the subscription).

i-channel has “ベーシックチャネル” (Basic Channel) provided by DOCOMO and “おこのみチャネル” (Okonomi (Optional) Channel) provided by IP (Information Providers).

Packet communication charges for automatically updating information provided by “Basic Channel” are not incurred. Packet communication charges for automatically updating information provided by “Okonomi (Optional) Channel” that enables you to register your favorite channels and use them are incurred separately. Note that packet communication charges are incurred separately when detailed information are viewed in both “Basic Channel” and “Okonomi (Optional) Channel”.

Packet communication charges are incurred for automatically updating information and viewing detailed information during international roaming.

Refer to the DOCOMO website for details on i-channel.

Displaying i-channel

- 1 In stand-by, CLR (CH)
- 2 Select a channel



Setting i-channel display

Set whether to display i-channel ticker in the stand-by display and sub display.

- 1 In the Normal menu, [i-mode/web] ▶ [i-Channel] ▶ [Ticker display set.]
- 2 Select the display destination of ticker ▶ set each item ▶ 
 - If [Main display] is selected, the sample of a ticker appears at the lower part of the display.

Camera

Screen layout and operations for shooting screen

Shooting screen layout

Still picture

Moving picture



1 Focus frame

3 Zoom bar

5 Remaining time

2 Icon display position

4 Status indication

Key operations for shooting screen

Key operations for shooting still picture screen

Mini preview		Switch high speed mode/normal mode	
Switch to moving picture		Adjust brightness	
Adjust zoom*1		Focus lock	
Switch camera-mode		Switch screen display*2	
Return to default		Fix camera shake*1	
Select size		Select image quality	
White balance		Auto timer	
Other setting		Select save destination	
Activate operation guide		My camera	

*1 Operation is not available depending on the shooting size.

*2 Every time the key is pressed, the display switches in the order of button/grid display → grid display → button/grid hide → button display.

Key operations for shooting moving picture screen

Mini preview		Scene/Mode setting	
Switch to still picture		Adjust brightness	
Adjust zoom* ¹		Focus lock	
Switch camera-mode		Switch screen display* ²	
Return to default		Fix camera shake* ¹	
Switch image/voice		Select image quality	
White balance		Auto timer	
Other setting		Select save destination	
Activate operation guide		My camera	

*1 Operation is not available depending on the shooting size.

*2 Every time the key is pressed, the display switches in the order of button/grid display → grid display → button/grid hide → button display.

Shooting still/moving pictures

- Although the camera is made with high-precision technology, some pixels or lines look constantly dark or bright. Further, white lines and other noise may appear in images especially when shooting images in dimly lit surroundings.
- If the camera lens is exposed to direct sunlight for a long time, the internal color filter may discolor, creating a discoloration of shot images.
- Images shot in shooting conditions which include strong light source such as the sun or a lamp may appear dark or distorted.
- Shooting the sun directly may impair the performance of the CMOS.
- Shot still pictures or moving pictures may not be saved when the battery level is low.

Shooting still pictures

1 In stand-by,

- When Still image shooting is activated, the called LED illuminates.

2

- Shoot a still picture.
- Since Auto save mode is set to [ON] by default, the still picture is saved automatically and this operation is completed.

3

- Save the still picture.

Shooting moving pictures

- 1** In the Normal menu, [CAMERA/TV/MUSIC] ▶ [Camera] ▶ [Movie shooting]
 - When Movie shooting is activated, the called LED illuminates.
- 2** 
 - The subject at the center is automatically focused and shot.
 - To pause/resume shooting: 
 - To shoot a still picture: 
- 3**  **to end shooting**
 - Since Auto save mode is set to [ON] by default, the moving picture is saved automatically and this operation is completed.
- 4** [Save]

Viewing still/moving pictures after shooting

Displaying shot still pictures

- 1** In the Normal menu, [Data box] ▶ [My picture]
- 2** [Camera] folder ▶ select a still picture
 - To set as stand-by display etc.: Point the cursor to the still picture ▶  [Set screen] ▶ select an item

Playing shot moving pictures

- 1** In the Normal menu, [Data box] ▶ [i-motion/Movie]
- 2** [Camera] folder ▶ select a moving picture
 - To set as stand-by display etc.: Point the cursor to the moving picture ▶  ▶ select an item

Shooting in various ways

Function	Details	Setting/Starting method
Shoot by scene	You can set the camera to shoot with natural colors and focus based on the surroundings and subject.	In the shooting screen,  ►  ► [Shooting menu] ► [Shoot by scene]
Focus setting	You can switch the AF (auto focus) mode according to the subject.	In the shooting screen,  ► []
Toy camera	You can shoot and arrange still pictures just like shooting with toy camera by adding tunnel effect, blurring, etc.	In the Normal menu, [CAMERA/TV/MUSIC] ► [Camera] ► [Toy camera]
Effect camera	You can set effects for still pictures and moving pictures to change the color tone and touch.	In the shooting screen,  ►  ► [Shooting menu] ► [Effect shot] ► select an effect type
Multishot camera	You can shoot pictures continuously and choose the favorite photograph from shot still pictures and save it.	In the Normal menu, [CAMERA/TV/MUSIC] ► [Camera] ► [Multishot camera]

1Seg

Using 1Seg

1Seg is a service provided by TV broadcasters (broadcast stations) etc. Communication charges are not incurred for receiving image and audio. Contact NHK for details on viewing fees of NHK.

- ※ Packet communication charges are incurred when accessing a site such as a “data broadcasting site” or “i-mode site”. Also, some sites require information charges to use (i-mode paid sites).
- ※ For details on the “1Seg” service, see the following website or other sources.
The Association for Promotion of Digital Broadcasting
From a PC <http://www.dpa.or.jp/english/>

Broadcast wave

1Seg is one of the broadcasting services, and the radio wave (broadcast wave) received via 1Seg differs from that received via FOMA service.

In the following places, the signal status may become weak or the signal may not be received.

- Place that is far from the radio tower which sends the signal
- Mountainous areas, behind a building, etc.
- A tunnel, basement, an inner area of a building, etc.

To receive in better conditions, move to another place so that the reception status may become better.

Precautions

Channels will be reorganized in some areas due to the termination of analog broadcasts. Therefore, setting channels by yourself once again with the automatic channel setting may be necessary (P. 66). Also, make sure to select a channel list after doing so.

For details on the channel repack of digital broadcasts, refer to the following websites or other sources.

総務省テレビ受信者支援センター (デジサポ) チャネル変更コールセンター (Ministry of Internal Affairs and Communications, DTV Support Center, Call Center for Changing Channel)

Phone number 0120-922-303

From PC <http://www.digisuppo.jp/repack/> (in Japanese only)

From i-mode <http://digisuppo.jp/m/index.php> (in Japanese only)

Battery level

When battery starts to run out while using 1Seg, [Battery low.Cancel operation and charge battery] appears and 1Seg automatically ends.

Screen display for first use of 1Seg

A confirmation screen of disclaimer appears for the first use of 1Seg after purchase.

Press  after confirming the displayed contents.

The same confirmation screen does not appear after that.

Before using 1Seg

- If you watch 1Seg while charging for a long time, the usable life of the battery pack may become shorter than estimated.
- DOCOMO shall not be liable for any loss or change of the saved data due to malfunctions, repairs or other handling of the FOMA terminal. When changing the model or asking for repair of your FOMA terminal, you cannot transfer the stored contents (videos and still pictures taken from 1Seg, TVlinks, data in the broadcasting storage area, etc.) in the handset.

Setting channels

To watch 1Seg, you need to set channels and select a channel list in advance.

- Perform Auto setting inside the area of the terrestrial digital TV broadcasting service.

1 In the Normal menu, [CAMERA/TV/MUSIC] ▶ [1Seg] ▶ [Channel setting]

- When the confirmation screen appears: [Yes] ▶ proceed to step 3

2 ▶ [Create]

3 Select the registration method

- ◆ [Use preset]
 - Select a prefecture/district to use from preset information of broadcast stations of each area and save into the channel list.
- ◆ [Auto setting] ▶ [Yes]
 - Broadcast station is automatically searched and saved into the channel list.
 - If you do not select an area: [No] ▶ proceed to step 6

4 Select an area

5 Select a prefecture/district

6 [Yes]

Watching 1Seg

1 In the Normal menu, [CAMERA/TV/MUSIC] ▶ [1Seg] ▶ [Activate 1Seg]

Screen layout and operations for watching screen

1Seg watching screen layout



- 1** Image
- 2** Subtitle
- 3** Data broadcasting
- 4** Channel number
- 5** Broadcast station/Program name
- 6** Icon display position

Key operations for 1Seg watching screen

TV operating mode

Select a station with UP/DOWN	
Select a station with one-touch operation	1 to 9 , X , 0 , #
Select a station by searching a frequency	☒ (for at least 1 second)/ ☒ (for at least 1 second) ● To cancel selecting a station by searching a frequency: ☒ /CLR
Adjust volume	
Mute/Disable	
Turn subtitle setting on/off	(for at least 1 second)
Activate program guide i-appli	
Display simple program guide	(for at least 1 second)
Record 1Seg program as video	☒ (for at least 1 second) ● To stop recording: ☒
Record 1Seg program as still picture	☒
Switch operation	
Switch screen display	(for at least 1 second)
Switch vertical/horizontal	☒
End 1Seg	[Yes]

Setting timer for watching or recording 1Seg

- 1 In the Normal menu, [CAMERA/TV/MUSIC] ▶ [1Seg] ▶ [TV timer list]
- 2  ▶ [Set new timer] ▶ [Manual reception]/[Manual recording]
- 3 Set each item ▶  ▶ 
 - When [Manual recording] is selected, the confirmation screen stating that 1Seg may not be recorded correctly depending on the signal status etc. appears.

Playing recorded videos

- 1 In the Normal menu, [Data box] ▶ [1Seg]
- 2 [Video] folder ▶ select a video

Music

Handling the music data

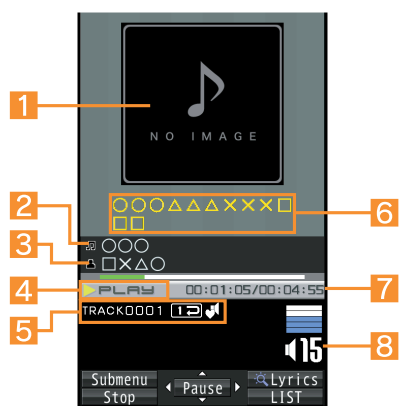
- This manual refers to Chaku-uta full® files that can be played by MUSIC Player as “music data”.
 - “Chaku-uta full” is a registered trademark of the Sony Music Entertainment (Japan) Inc.
- The FOMA terminal can play Chaku-uta full® files which are protected with copyright protection technology.
- When downloading music data from websites on the Internet etc., check use conditions (license, prohibited acts, etc.) carefully before use.
- You can use music data saved on the FOMA terminal or microSD Cards for personal use only. Refrain from infringing upon intellectual property rights of a third party, such as copyright, or other rights. Do not copy or transfer music data saved on the FOMA terminal or microSD Cards to PC or any other media.

Playing music data

- 1 In the Normal menu, [Data box] ▶ [MUSIC]
- 2 Select music data

Screen layout and operations for
MUSIC Player screen

MUSIC Player screen layout



- 1

Jacket image
- 2

Title
- 3

Artist's name
- 4

Playback status
- 5

Icon display position
- 6

Uta-moji Lyrics
- 7

Playback time/Total playback time
- 8

Volume

Key operations for MUSIC Player
screen

Pause/Play	
Stop	
Adjust volume	
Mute/Disable	
Play previous song/ Return to the beginning of the song*	
Fast reverse	(for at least 1 second)
Play next song	
Fast forward	(for at least 1 second)
Jump to a start position assigned to a key	1: Beginning 2 to 9: Positions divided by one-ninth increments of the total playback time
Add to Quick playlist	
Show lyrics	
Search lyrics	[Yes]
Display the list screen of music data for playback	
End MUSIC Player	[Yes]

* When the playback time is less than approximately 2 seconds: Return to the previous song
When the playback time is approximately 2 seconds or more: Return to the beginning of the song

i-αpli/i-Widget

Activating i-αpli

i-αpli is software for i-mode compatible handsets. Download various software from i-mode sites for updating information on stock prices, weather, etc. automatically or enjoying games.

- For use overseas, packet communication charges differ from those in Japan.
- Refer to the DOCOMO website for details on i-αpli.

- To use preset software again after deleting, you can download it from the iMenu site, [SH-MODE] (in Japanese only).

[iMenu] ▶ [メニューリスト]
(menu list) ▶ [ケータイ電話
メーカー] (mobile phone
manufacturer) ▶ [SH-MODE]

- Packet communication charges are incurred separately when downloading.
- The service which allows you to download preset software again may be suspended or terminated without prior notice.



QR code to
connect to the
site

1 In the Normal menu, [i-αpli] ▶ [Software list]

2 Select software to activate

- Packet communication charges are incurred separately for some software.

Activating Widget Appli

i-Widget is a convenient function to easily access any of frequently used contents and tools (Widget Appli) such as calculator/clock, memo pad and information on stock prices.

Widget Appli can be added by downloading from sites.

If you paste the Widget Appli on the i-Widget screen, you can use it quickly next time.

- If the i-Widget screen is displayed, multiple Widget Appli may communicate.
- Packet communication charges are incurred separately when detailed information are viewed.
- Refer to the DOCOMO website for details on i-Widget.
- For use overseas, packet communication charges differ from those in Japan.

1 In stand-by, (for at least 1 second)

- The i-Widget screen appears.

2 Select Widget Appli

3 /

- Widget Appli is pasted on the i-Widget screen.
- To end Widget Appli:  ▶ [YES]

i-motion

Playing i-motion downloaded from sites

i-motion refers to image, voice and music data. You can download i-motion to the FOMA terminal from i-motion compatible sites etc. and play it.

- The followings show i-motion that can be played.

Type	Description
Standard type (can be saved*)	Play after downloading data.
	Play while downloading data.
Streaming type (cannot be saved)	Play while downloading data at the same time. Data that you finished playing will be deleted, and they cannot be played repeatedly or saved in the FOMA terminal.

* Some standard type i-motion cannot be saved.

- You can play saved i-motion using the i-motion player.

1 While viewing sites, select i-motion

- To save i-motion: While i-motion is played/paused,  [Save] ► point the cursor to the folder ► 
- When you finish playing i-motion:
[Save] ► point the cursor to the folder ► 

Osaifu-Keitai

Osaifu-Keitai/ToruCa

Osaifu-Keitai is a function for using “Osaifu-Keitai compatible services” which enable you to pay, use the FOMA terminal as coupons, etc. by simply holding it over scanning devices at stores etc. and using “Kazashite-Link compatible services” which enable you to access website information etc. by holding the FOMA terminal over scanning devices.

You can deposit electronic money, check the balance and the remaining points, etc. while you can use Omakase Lock or IC card lock in case of theft or loss.

ToruCa is an electronic card that can be retrieved with the FOMA terminal. You can use ToruCa conveniently as fliers, restaurant cards, coupons, etc.

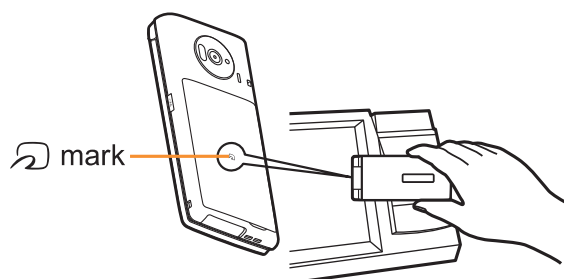
- FOMA terminal malfunctions may cause data on the IC card (including electronic money, points, etc.) to be lost or changed (Note that as a rule, you will be asked to delete data when leaving your FOMA terminal for repairs etc., since we cannot keep your FOMA terminal with such data still remaining in it). For the service such as a reissue, restoration, temporary keeping or transference of the data, contact a provider of the Osaifu-Keitai compatible service you use. Be sure to use the Osaifu-Keitai compatible service including a backup service for important data.

- DOCOMO shall not be liable for any loss or change of data on the IC card or other damages related to Osaifu-Keitai compatible services caused by any reason such as malfunctions and model changes.
- When the FOMA terminal is stolen or lost, immediately contact a provider of the Osaifu-Keitai compatible service you use for handling methods.

Holding over scanning device

Hold the  mark of the FOMA terminal over the scanning device to use as electronic money or passenger tickets or to retrieve ToruCa.

- Pay attention to the following points when holding the  mark over the scanning device.
 - Avoid letting the FOMA terminal clashed with the scanning device
 - Hold the  mark in parallel with the scanning device
 - Hold the  mark over the center of the scanning device
 - If the scanning device does not recognize the built-in IC card, hold the  mark over the scanning device and move the handset around
 - Do not attach a metallic substance etc. on the  mark side



i-concier

※ The i-concier service is provided in Japanese.
i-concier is a service to support your life like a butler or concierge. It can keep your various data and provide contents of memo or schedule, and information tailored to your living area, current location or hobbies and interests at the best time. i-concier information is provided by Machi-chara (a mascot in the stand-by display) in the stand-by display.

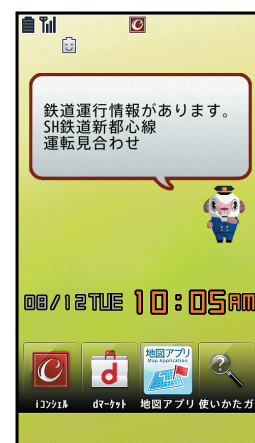
- i-concier is a paid service that requires a subscription (i-mode agreement is required for the subscription).
- If non-subscribers to the Data Security Service newly subscribe to i-concier, they are supposed to be subscribers of the Data Security Service.
- In addition to monthly usage fees of i-concier, a separate information fee may be incurred depending on contents (information, i-schedule, etc.).
- Packet communication charges are incurred for receiving information excluding some cases.
- Packet communication charges are incurred for using detailed information.
- Packet communication charges are incurred for receiving information and viewing detailed information during international roaming. In addition, for use overseas, packet communication charges differ from those in Japan.
- To use i-concier overseas, overseas settings for i-concier are required.

- Packet communication charges are incurred for automatically updating i-schedule, memo, ToruCa, phonebook, etc.
- Refer to the DOCOMO website for details on i-concier.

Receiving information

A popup message appears in the stand-by display and notifies you when information is received or the set time of today's schedule or the set time of schedule alarm arrives.

- 1 A popup message appears in the stand-by display ▶ ●
- 2 Select the popup message



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Displaying i-concier screen

- 1 In the Normal menu, [i-concier]
- 2 Select the function icon

Convenient Tools

Using Shabette-Kensaku

※ Shabette-Kensaku recognizes only Japanese words.

You can enter the keyword with voices and search sites by connecting to i-mode.

- Packet communication charges are incurred when using Shabette-Kensaku.

1 In the Normal menu, [Tool] ▶ [Shabette-Kensaku]

- When you activate Shabette-Kensaku for the first time, select [Use].

2 When [Speak keyword in Japanese] appears, speak the contents to search at the microphone

- Speak within approximately 10 seconds. When you stop speaking, approximately 10 seconds pass or you press ●, the voice input ends and search results are displayed.



- Speak at your natural speed. In the following cases, Shabette-Kensaku may not work properly.

- When the voice is too loud or too small
- When the surrounding noise is big
- When the phonation is not clear

- When the phonation is not natural
- When the pronunciation is too fast
- When any key is pressed or the microphone is touched

Using Voice Quick Start

※ Voice Quick Start function is provided in Japanese.

You can retrieve and execute a function with voices in the stand-by display.

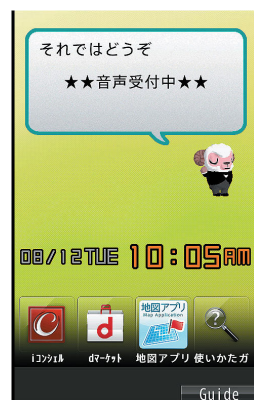
It is convenient when you do not know on which menu a function to use can be found or when you want to activate a function immediately.

1 In stand-by, [Voice Quick Start] (for at least 1 second)

- When you activate Voice Quick Start for the first time, select [利用する] (Use) or press [Voice Quick Start].

2 When [それではどうぞ ★★音声受付中★★] (Go ahead ★★Waiting for your voice★ ★) appears, speak the function to use at the microphone

- Speak within approximately 10 seconds. When you stop speaking, approximately 10 seconds pass or you press ●, the voice input ends and applicable function is activated.



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- Guide (in Japanese only) is activated when the function to be used is not specified.

- Speak at your natural speed. In the following cases, Voice Quick Start may not work properly.
 - When the voice is too loud or too small
 - When the surrounding noise is big
 - When the phonation is not clear
 - When the phonation is not natural
 - When the pronunciation is too fast
 - When any key is pressed or the microphone is touched

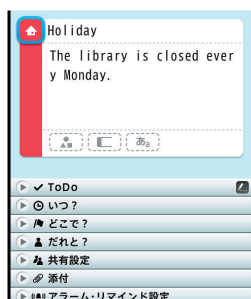
Using schedules

- Be sure to set the date and subject.

For Normal

- 1 In the Normal menu, [Tool] ▶ [Schedule] ▶  ▶ [New entry]

- 2 Set each item ▶ 



Using alarm

- 1 In the Normal menu, [Tool] ▶ [Alarm]

- 2 Select a number to save

- 3 Set each item ▶ 
 - To switch items: 

Using bar code reader

- 1 In the Normal menu, [CAMERA/TV/MUSIC] ▶ [Camera] ▶ [Scanning camera] ▶ [Bar code reader]

- 2 Display the bar code to be scanned in the center of the screen ▶ 

- Position the camera 10 cm or more right away from the bar code (JAN/QR code). Keep the bar code and FOMA terminal as stationary as possible to make it easy for the bar code to be recognized.

- 3 Use the scan result

Using personal alarm

You can activate a loud alarm in case of emergency. Also, set the handset to automatically make a voice call when the personal alarm is activated.

- You need to set Kid-safe mode to [ON] and set items necessary for Set personal alarm in advance.

Changing personal alarm settings

- 1 In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Kid-safe mode] ▶ enter the terminal security code ▶ [Set personal alarm]

- 2 Set each item ▶ 

- If the personal alarm is set, [] appears.

Activating personal alarm

1 (for at least 1 second) with the FOMA terminal closed

Ending personal alarm

-  (for at least 1 second) with the FOMA terminal closed

Data Management

Using microSD Card

You can save data, such as phonebook, mail or bookmark in the FOMA terminal to a microSD Card or import data in the microSD Card to the FOMA terminal.

microSD Card is sold separately.

You can purchase a microSD Card and its adapter at home electronics shops etc.

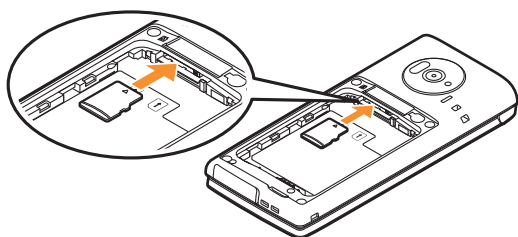
- SH-07F is compatible with commercially available microSD Card of up to 2 GB and microSDHC Card of up to 32 GB (as of May 2014). For information on the microSD Card, refer to the following website.
 - From i-mode [SH-MODE] (as of May 2014)
[iMenu] ▶ [メニューリスト] (menu list) ▶
[ケータイ電話メーカー] (mobile phone manufacturer) ▶ [SH-MODE]
 - From a PC
http://k-tai.sharp.co.jp/support/d/sh07f/peripherals.html#!/microsd_support

- Do not insert or remove a microSD Card while the FOMA terminal is turned on. Data may be damaged or the handset may not work properly.
- Do not remove the microSD Card or turn off the FOMA terminal immediately after inserting the microSD Card in the FOMA terminal or while editing data on the microSD Card. Data may be damaged or the handset may not work properly.
- Format unformatted microSD Cards on the FOMA terminal before use. microSD Cards formatted by PCs or other devices may not be used properly on the FOMA terminal.
- When a microSD Card formatted on another FOMA terminal, PC, etc. is used, the displayed folder name may differ.
- Since some types of microSD Cards do not support copyright protection functions, they may not be formatted. There is no guarantee that you can save or copy data on such microSD Cards because they are not covered by the FOMA support service.
- When a microSD Card used on another FOMA terminal, PC, etc. is inserted, it may not be used.
- Back up the data saved on a microSD Card and store in another place. DOCOMO shall not be liable for any loss or change of the saved data.

Inserting/Removing microSD Card

1 Insert the microSD Card slowly into the microSD Card slot with the metal terminal side turned down

- The microSD Card slot is above the docomo mini UIM card slot. When you insert the microSD Card before inserting the docomo mini UIM card, be careful not to insert the microSD Card to the docomo mini UIM card slot.
- Insert the microSD Card slowly with the tip of a finger until a click is heard.
- Gently push the microSD Card towards inside before removing.



- Note that applying excessive force may damage the FOMA terminal or microSD Card.
- Do not position your face just in front of the microSD Card when inserting or removing it. When you release the tip of a finger from the card abruptly, it may pop out.

Formatting microSD Card

- Note that all the data in a microSD Card is deleted when it is formatted.

1 In the Normal menu, [Tool] ▶ [microSD] ▶

2 Enter the terminal security code ▶ [Yes]

Copying data to microSD Card/ FOMA terminal

Example: i-motion

1 In the Normal menu, [Data box] ▶ [i-motion/Movie] (▶ [→microSD])*

* When the save destination is microSD

2 Point the cursor to i-motion ▶ ▶ [Move/Copy] ▶ [Copy to microSD]/ [Copy to the phone]

3 Select a copying method

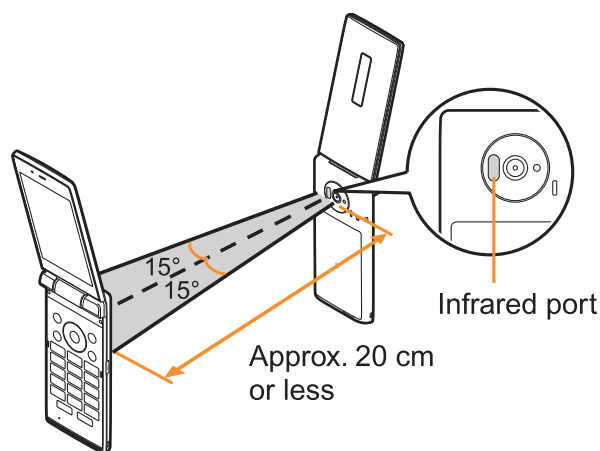
Backing up data to microSD Card

You can collectively back up data, such as phonebook or mail, and each setting information.

- 1 In the Normal menu, [Tool] ▶ [microSD] ▶ [Backup/Restore]
- 2 [Backup to microSD] ▶ enter the terminal security code ▶ [Yes]

- When backing up the phonebook, a confirmation screen asking whether to save the profile appears.

Sending and receiving data via infrared communication



- Face the infrared ports of the receiver's and sender's FOMA terminal with each other and set the distance between them to approximately 20 cm or less.

Sending data

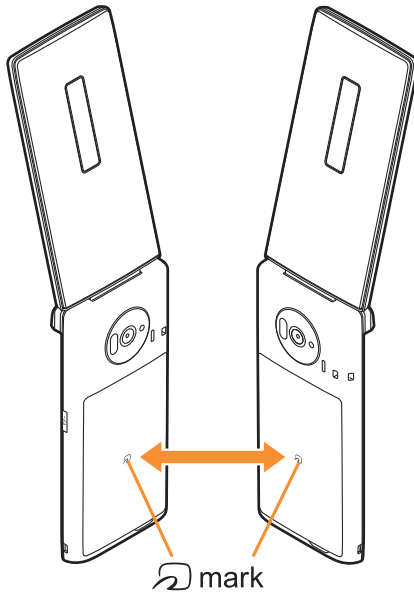
Example: Phonebook

- 1 In stand-by,
- 2 Point the cursor to the name ▶ [Send data] ▶ [Send Ir data]
- 3 Select a sending method
 - ◆ [Send]
 - ◆ [Send all] ▶ enter the terminal security code ▶ enter the authentication password
- 4 [Yes]

Receiving data

- 1 In the Normal menu, [Tool] ▶ [Infrared/iC communications] ▶ [Receive infrared data]
- 2 Select a receiving method
 - ◆ [Receive] ▶ [Yes]
 - ◆ [Receive all] ▶ enter the terminal security code ▶ enter the same authentication password as the sender's ▶ [Yes]
- 3 [Yes]

Sending and receiving data via iC communication



- Use while placing the  mark of the receiver's FOMA terminal over that of the sender's FOMA terminal.

Sending data

Example: Phonebook

- 1 In stand-by, 
- 2 Point the cursor to the name    [Send data]  [iC transmission]
- 3 Select a sending method
 - ◆ [Send]
 - ◆ [Send all]  enter the terminal security code  enter the authentication password
- 4 [Yes]
- 5 Place the  mark over that of the other party's FOMA terminal

Receiving data

- 1 In stand-by, place the  mark over that of the other party's FOMA terminal
- 2 [Yes]

Connecting to PC

By connecting the FOMA terminal and your PC, you can exchange WMA files, images, etc. in microSD Cards. In addition, you can connect to the Internet and perform data communication.

- FOMA USB Cable with Charge Function 02 (sold separately) or FOMA USB Cable (sold separately) is required.
- For a data communication, installation of the “FOMA communication configuration file” (Driver) is required.
Refer to “Manual for PC Connection” for details.
You can download “FOMA communication configuration file” and “Manual for PC Connection” from the DOCOMO website.
<https://www.nttdocomo.co.jp/support/> (in Japanese only)

DOCOMO Connection Manager

DOCOMO Connection Manager is software which is convenient for using data communication of DOCOMO. Easily set the PC depending on the subscription. In addition, use the charge counter function to check the approximate data communication volume or usage fee.
Refer to the DOCOMO website for details.
https://www.nttdocomo.co.jp/support/utilization/application/service/connection_manager/ (in Japanese only)

Support

Troubleshooting

- First, check whether the software update is required. If it is required, update the software (☞ P. 84).
- If there is no improvement on the problems even after checking the following items, feel free to contact the number listed in “Repairs” (in Japanese only) on the last page or a repair counter that DOCOMO specifies.

Power

The FOMA terminal is not turned on

- | | |
|--|-------|
| ● Is the battery pack attached properly? | P. 24 |
| ● Make sure the battery has not run out. | — |

Charging

Cannot charge the battery (The charging LED does not illuminate or it flashes)

- | | |
|--|----------------|
| ● Is the battery pack attached properly? | P. 24 |
| ● Is the power plug or the cigarette lighter plug of the adapter inserted into the outlet or cigarette lighter socket properly? | P. 26 |
| ● Are the adapter and the FOMA terminal set properly? | P. 26 |
| ● When using an AC adapter (sold separately), is the connector of the AC adapter securely connected to the FOMA terminal or included desktop holder? | P. 25
P. 26 |
| ● When using the desktop holder, make sure the charger terminal of the FOMA terminal is clean. If not, wipe the terminal section with a dry cotton swab etc. | P. 25 |

- | | |
|--|---|
| ● If a call, communication or another function is performed for a long time while charging, the FOMA terminal may become warm and the charging LED may flash. Charge again after the handset temperature lowers. | — |
|--|---|

Charging is not completed (The battery level decreases despite of charging)

- | | |
|--|---|
| ● Charging may not be completed during a call or communication. Also, the battery level decreases and charging may not be completed depending on the battery adapter to use if charging is started while watching/recording 1Seg, playing movies/i-motion, activating the MUSIC Player, operating i-αpli, using the camera, etc. This is not a malfunction. To complete charging, we recommend you to charge after finishing the operations. | — |
|--|---|

Terminal operation

Becomes hot while operating/charging

- | | |
|--|---|
| ● The FOMA terminal, battery pack or adapter may become warm while operating or charging, when operating i-αpli, making a videophone call, watching 1Seg, etc. for a long time while charging, etc. There is no operational problem. | — |
|--|---|

Battery life is short

- | | |
|---|---|
| ● Make sure the handset is not left for a long time outside the service area. Outside the service area, since radio waves are searched to make communication available, more electric power than usual is used. | — |
| ● The battery life depends on the usage environment and deterioration level. | — |

Battery pack is a consumable product. Battery life per charge is gradually reduced every time the battery is charged. Purchase a specified new battery pack if the battery life becomes extremely shorter than at the time of purchase even after fully charged.	–
--	---

Power turns off/The FOMA terminal restarts

Unclean terminals on the battery pack may result in poor connections and loss of power. Wipe with a dry cotton swab etc.	–
Make sure the IC area of the docomo mini UIM card is not dirty.	P. 24

Not activated by pressing keys

Make sure All lock is not set.	P. 42
Make sure the FOMA terminal is not turned off.	P. 27

docomo mini UIM card is not recognized

Is the docomo mini UIM card inserted facing right direction?	P. 24
--	-------

Clock is incorrect

Clock may become incorrect if the power is turned on for a long time. Make sure Auto time adjust is set to [ON] and turn the power on again in a location with good signal conditions.	–
--	---

Calling

Calls cannot be made with the dial

Make sure All lock is not set.	P. 42
Make sure Keypad dial lock is not set.	P. 42
Make sure Self mode is not set.	P. 42

Calls cannot be made ([圏外] does not disappear even after moving to another place or calls cannot be made/received even though signal status is not bad)

Turn the power on again or attach the battery pack or docomo mini UIM card again.	P. 24 P. 27
Depending on the signal type, even though status is “inside the service area” or “[圏]” (indicating signal status) appears”, making/receiving a call may not be available. Move to another place and call again.	P. 28
Make sure the call restriction such as Accept call/Reject call in Specified caller is not set.	–
In a crowded place, heavy telephone/mail traffic may make it difficult to get a connection. In this case, [Please wait] appears and a busy tone is played. Move to another place or call again later.	–

Camera

Still picture or moving picture shot by the camera is blurred

Set the focus setting to [Closeup] when shooting a nearby subject.	P. 64
Make sure the camera lens is neither misted up nor exposed to dirt.	P. 62
Use the focus lock.	P. 61
Set Fix camera shake to [Auto] (still picture)/[ON] (moving picture).	P. 61

Osaifu-Keitai

Cannot use Osaifu-Keitai

If the battery pack is removed or Omakase Lock is activated, IC card functions are not available regardless of the IC card lock setting.	P. 42
Make sure IC card lock is not set.	P. 43
Is the 圏 mark of the FOMA terminal held over the scanning device?	P. 72

Warranty and After-Sales Service

Warranty

- Make sure that the warranty card is included with your FOMA terminal at the time of purchase. Check that the name of the retailer, the date of purchase, and the necessary details have been filled in on the warranty card. Be sure to keep it in a safe place. Contact the retailer if any necessary details on the warranty card are not completed.
The warranty period without charge is 1 year from the date of purchase.
- For the purpose of improvement, the specifications for this product and its accessories are subject to complete or partial change without prior notice.

After-Sales Services

If you have problems with your FOMA terminal

Refer to “Troubleshooting” on this manual or “Guide” (in Japanese only) contained in the FOMA terminal before requesting repairs.

Contact the number listed in “Repairs” (in Japanese only) on the last page if problems persist.

If your FOMA terminal needs repairs after contacting DOCOMO

Bring your FOMA terminal to a repair counter that DOCOMO specifies. However, repair counters are only open during business hours. Note that it may take several days to repair depending on the condition on the malfunctions.

During the warranty period

- The FOMA terminal will be repaired without charge in accordance with the terms of the warranty.
- When bringing the FOMA terminal in for repairs, be sure to bring the warranty card. Even during the warranty period, a fee will be charged for repairs of malfunctions, damage, etc. caused by your improper handling (damage of display, connector, etc.) or if no warranty certificate is presented.
- Repairs for malfunctions caused by the use of devices and consumable products other than those specified by DOCOMO will also incur a fee, even during the warranty period.

Repairs may not be possible in the following circumstances.

- As a result of inspection, when damage from water exposure, condensation, sweat or other liquids is found or when the internal circuit board is damaged or deformed (Repairs may not be possible when external connector terminal (earphone/microphone terminal), display, etc. is damaged or when a housing is cracked)
- ※ Even when repairs are possible, repair charges will be incurred because the warranty does not cover such damage.

After the warranty period has expired

Charged repairs will be carried out upon request.

Replacement parts

Replacement parts (required to maintain the functionality of the FOMA terminal) will be kept in stock basically for at least 4 years following the halt of production. However, note that there may be a case when repair is not possible for the shortage of replacement parts etc. depending on the faulty part.

IMPORTANT!

- Never attempt to modify the FOMA terminal or its accessories.
 - Repairs may be refused depending on the extent of the modification.
The following cases may be considered as a modification.
 - Stickers etc. are applied to the display or keys
 - Decorations are made to the FOMA terminal with adhesive agent etc.
 - Exterior parts etc. are replaced with those which are not standard DOCOMO products
 - Repairs for any malfunction or damage caused by such modifications will incur fees, even during the warranty period.
- Do not peel off the model nameplate attached to the FOMA terminal.
 - The nameplate functions as a certification that the equipment conforms to the prescribed technical standards. If the contents of the nameplate cannot be confirmed such as when it is removed or replaced on purpose, repairs may be refused because conformity to the standards cannot be determined.

技術基準適合認証品

- Information stored in your FOMA terminal, such as the settings of various functions, may be cleared or reset if your FOMA terminal is damaged, repaired or mishandled.
 - If this occurs, please re-enter the information or re-specify the settings.
- The following sections of the FOMA terminal contain parts that generate magnetic waves. Keep cash cards and other objects likely to be affected by magnetic waves away from the FOMA terminal. They may become unusable.
 - Sections: Speaker, earpiece

- If the inside of the FOMA terminal gets wet or becomes moist, immediately turn off the power and remove the battery pack though SH-07F provides waterproof performance. Then, visit a repair counter. The FOMA terminal may not be repaired depending on its condition.

Error information send setting

When an error has occurred in the FOMA terminal, this function sets to send the recorded error information to DOCOMO.

- Although an error has occurred, it may not be recorded depending on the error type.
- The recorded information is sent to DOCOMO at night.
- Packet communication charges for sending error information are not incurred.
- The sent information does not include the information for identifying individuals.

1 In the Normal menu, [Setting] ▶ [Other setting] ▶ [Error info send set.] ▶ enter the terminal security code ▶ select the setting

Updating software

Connect the FOMA terminal to the network and check for software update. If necessary, the handset downloads a part of software by using packet communication and updates the software.

- If updating software is necessary, check the DOCOMO website or “お客様サポート” (user support) (in Japanese only) on iMenu for updates. When updating, select “Auto-update”, “Now update” or “Reserve”.
- You can update software even if the FOMA terminal contains phonebook, camera image, downloaded data, etc. However, DOCOMO may not be able to protect data that could be lost due to malfunction, damage, water exposure and so on. It is recommended that important data be backed up before software update. Note that some data, such as downloaded data, cannot be backed up.

Using software update

- Do not remove the battery pack while updating software. Failure to update software may occur.
- Fully recharge battery before updating software.
- Updating (downloading and rewriting) software may take time.
- Making or receiving calls, each communication function, Clean Up and other functions cannot be used while updating software (Receiving voice calls is possible during download).
- It is recommended to update software at a location with a strong signal (three bars for the antenna icon) while you are not moving. If signal becomes weak or download is interrupted when downloading software, update software again in a location with good signal conditions.
- When updating software, the information unique to the FOMA terminal (model, serial number, etc.) is automatically sent to the server (DOCOMO software update server). Sent information is only used for software update.

- If software update fails, [Rewrite failed] appears and no operations are available. In this case, bring the FOMA terminal to a repair counter that DOCOMO specifies.

Starting software update from icon

When the software is automatically downloaded,  appears in the stand-by display.

1  appears in the stand-by display ▶  select 

2 Select the rewriting method

- To confirm settings: [OK]
- To change settings: [Change]
- To start rewriting: [Now rewrite]

Starting software update from menu

1 In the Normal menu, [Setting] ▶ [Other setting] ▶ [Software update]

2 Enter the terminal security code ▶ [Update]

3 Select the update method

Scan function

This function detects data and programs that are imported to the FOMA terminal, and then deletes or stops activating ones that could cause operational malfunctions.

- The scan function helps to protect the handset from damage caused by data such as data received from websites or mails. If the pattern definitions corresponding to respective malfunctions are not downloaded or they do not exist, the scan function will not be able to protect the FOMA terminal.

Updating pattern definitions

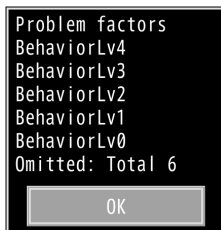
- First, update pattern definitions to bring them up-to-date.

- 1 In the Normal menu, [Setting] ▶ [Lock/Security] ▶ [Scanning function] ▶ [Update]
- 2 [Yes] ▶ [Yes]
- 3 [OK] when updating is completed

Displaying scan results

Displaying detected errors

- If you select [Detail] in the warning screen, error names appear. When no error name exists for the contents of the pattern data, [Detail] does not appear.
- Up to five error names appear. Error names after the sixth are skipped and the total number of errors appears when six or more are detected. If same error is detected more than once, it is only listed once.



Displaying scan results

Level 0	Level 1
[OK]: To display/activate/call	[No]: To display/activate/call [Yes]: To cancel operation
Level 2	Level 3
[OK]: To end	[Yes]: To delete the data [No]: To end without deleting
Level 4	
[OK]: To delete the data	

Options and related devices

Combine the FOMA terminal with various optional accessories (sold separately) for expanded personal and business use. Some products may not be available in certain areas. Contact a sales outlet such as a docomo Shop for details.

Refer to the user's guide of each product for more details on optional parts.

- FOMA AC Adapter 01^{*1/02}^{*1}
- Battery Pack SH39
- Back Cover SH73
- Desktop Holder SH46
- Earphone Terminal P001^{*2}
- Flat-plug Stereo Earphone Set P01^{*3}
- Flat-plug Earphone/Microphone with Switch P01^{*3}/P02^{*3}
- Stereo Earphone Set P001^{*2}
- Earphone/Microphone with Switch P001^{*2}/P002^{*2}
- Earphone/Microphone 01
- Stereo Earphone Set 01
- Earphone Plug Adapter P001^{*3}
- Earphone Plug Adapter for External connector terminal 01
- Earphone Plug Adapter 01
- FOMA USB Cable^{*4}
- FOMA AC Adapter 01 for Global use^{*1}
- FOMA DC Adapter 01/02
- FOMA Indoor Booster Antenna^{*5}
- In-Car Hands-Free Kit 01^{*6}
- FOMA In-Car Hands-Free Cable 01
- In-Car Holder 01
- FOMA Dry Battery Adapter 01
- Carry Case S 01
- Carry Case 02
- Bone conduction microphone/receiver 01^{*3}
- FOMA USB Cable with Charge Function 02^{*4}
- FOMA Portable Charging Adapter 01/02/03
- FOMA Indoor Booster Antenna (Stand Type)^{*5}
- FOMA eco Solar Panel 01

^{*1} Refer to P. 26 for details on charging with an AC adapter.

^{*2} Earphone Plug Adapter for External connector terminal 01 and Earphone Plug Adapter are required.

^{*3} Earphone Plug Adapter for External connector terminal 01 is required.

^{*4} The use of USB HUB may prevent working correctly.

^{*5} For use only in Japan.

^{*6} FOMA In-Car Hands-Free Cable 01 is required to use/charge SH-07F.

Appendix

Specific Absorption Rate (SAR) of mobile phone

This model SH-07F mobile phone complies with Japanese technical regulations and international guidelines regarding exposure to radio waves.

This mobile phone was designed in observance of Japanese technical regulations regarding exposure to radio waves (*) and limits to exposure to radio waves recommended by a set of equivalent international guidelines. This set of international guidelines was set out by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), which is in collaboration with the World Health Organization (WHO), and the permissible limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health condition.

The technical regulations and international guidelines set out limits for radio waves as the Specific Absorption Rate, or SAR, which is the value of absorbed energy in any 10 grams of tissue over a 6-minute period. The SAR limit for mobile phones is 2.0 W/kg. The highest SAR value for this mobile phone when tested for use at the ear is 0.758 W/kg and when worn on the body is 0.683 W/kg. There may be slight differences between the SAR levels for each product, but they all satisfy the limit.

The actual SAR of this mobile phone while operating can be well below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum required to reach the network. Therefore in general, the closer you are to a base station, the lower the power output of the device. This mobile phone can be used in positions other than against your ear.

Please keep the mobile phone farther than 1.5 cm away from your body by using such as a carrying case or a wearable accessory without including any metals. This mobile phone satisfies the technical regulations and international guidelines.

The World Health Organization has stated that “a large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use.”

Please refer to the WHO website if you would like more detailed information.

http://www.who.int/docstore/peh-emf/publications/facts_press/fact_english.htm

Please refer to the websites listed below if you would like more detailed information regarding SAR.

Ministry of Internal Affairs and Communications
Website:

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

Association of Radio Industries and Businesses
Website:

<http://www.arib-emf.org/index02.html> (in Japanese only)

NTT DOCOMO, INC. Website:

<https://www.nttdocomo.co.jp/english/product/sar/>

SHARP Corporation Website:

<http://www.sharp.co.jp/products/menu/phone/cellular/sar/index.html>

(in Japanese only)

* Technical regulations are defined by the Ministerial Ordinance Related to Radio Law (Article 14-2 of Radio Equipment Regulations).

European RF Exposure Information

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2 W/kg and the highest SAR value for this device when tested at the ear is 0.760 W/kg* and when worn on the body is 0.548 W/kg*.

For body-worn operation, this mobile device has been tested and meets the RF exposure guidelines when used with an accessory containing no metal and positioning the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with RF exposure guidelines.

As SAR is measured utilizing the device's highest transmitting power the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

* The tests are carried out in accordance with international guidelines for testing.

Declaration of Conformity

CE 0168

Hereby, Sharp Telecommunications of Europe Ltd, declares that this SH-07F is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the original declaration of conformity can be found at the following Internet address:
<http://www.sharp.co.jp/k-tai/> (in Japanese only)

FCC Notice

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

FCC RF Exposure Information

Your handset is a radio transmitter and receiver. It 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.

The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless handsets employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model handset when tested for use at the ear is 0.85 W/kg and when worn on the body, as described in this user guide, is 0.83 W/kg.

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

The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

The FCC has granted an Equipment Authorization for this model handset with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model handset is on file with the FCC and can be found under the Display Grant section of <http://transition.fcc.gov/oet/ea/fccid/> after searching on FCC ID APYHRO00209.

Additional information on Specific Absorption Rates (SAR) can be found on the FCC website at <http://www.fcc.gov/encyclopedia/radio-frequency-safety>.

Export Administration Regulations

The Japan Export Administration Regulations (“Foreign Exchange and Foreign Trade Act” and its related laws) may be applied to this product and its accessories under certain conditions. The Export Administration Regulations may also be applied. To export or reexport the handset and its accessories, conduct all legally required procedures at your own risk and expense. For details on the procedures, contact the Ministry of Economy, Trade and Industry or the US Department of Commerce.

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The HMM-Based Speech Synthesis System (HTS) hts_engine API developed by HTS Working Group
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Unlocking SIM lock

The FOMA terminal can unlock the SIM lock.

Unlock the SIM lock to use non-DOCOMO SIM cards.

- SIM lock can be unlocked at a docomo Shop.
- Commission is incurred separately for unlocking SIM lock.
- When using non-DOCOMO SIM card, some services and functions may be unavailable. DOCOMO shall not guarantee any operation of the FOMA terminal.
- For details on unlocking SIM lock, refer to the DOCOMO website.

Index

Numerics

1Seg	65
1Seg watching screen	67
2in1	48

A

AC adapter	26
Activate 1Seg	66
Activate i-appli	70
Activate personal alarm	76
Activate Widget Appli	70
Add to phonebook	55
Address/Spam setting	28
Adjust volume	35
After-Sales Services	83
Alarm	75
All lock	42
Anonymous	43
Appendix	88
Attach back cover	20
Attach battery pack	24
Auto receive mail	53
Auto-key lock	42
Available services overseas	50

B

Backup to microSD	78
Bar code reader	75
Before using	24
Before using 1Seg	66
Before using camera	62
Bookmark	59

Bright mode	39
-------------	----

C

Call	45
Call Forwarding Service	48
Call rejection setting	43
Call Waiting Service	48
Caller ID Display Request Service	48
Caller ID Notification	27
Caller ID Notification Service	48
Caller/Sender information	38
Camera	61
Change screen setting	36
Channel setting	66
Character entry	34
Charge	25
Check new mail/message	53
Close external connector terminal cover	19
Contents	1
Convenient tools	74
Copy to microSD	77
Copy to the phone	77
Create Deco-mail	52
Create Decome-Anime	52

D

Data management	76
Delete all data	44
Delete phonebook	56
Desktop holder	25
Display	28
Display i-channel	60
Display light	39
Display menu	30
Display scan results	86
Display shot still pictures	63
DOCOMO Connection Manager	80

docomo Palette UI	32
Download/Play i-motion	71

E

Early warning "Area Mail"	54
Earpiece volume	46
eco mode	38
eco mode auto-start setting	38
Edit phonebook	56
Effect camera	64
Emergency call	48
English Announcement Service	48
Enter emoticons	34
Enter pictograms	34
Enter symbols	34
Error information send setting	84
Export Administration Regulations	90

F

FeliCa	
Osaifu-Keitai	72
Scan	72
Focus setting	64
FOMA terminal	2
Font size	37
Format microSD Card	77
Full Browser	57
Full Browser home	57

G

Guide	33
-------------	----

H

Handling precautions	15
----------------------------	----

I

i-appli	70
IC card lock	43
iC communication	79
i-channel	60
i-concier	73
i-concier screen	73
Image/i-appli	36
i-mode	57
i-mode password	40
i-motion	71
Inbox	53
Indicator light	38
Infrared communication	78
Initial setting	27
Insert docomo mini UIM card	24
Insert microSD Card	77
Intellectual Property Right	90
International call	46
i-Widget	70

K

Key operations for 1Seg watching screen	67
Key operations for MUSIC Player screen	69
Key operations for shooting screen	61
Keypad dial lock	42
Kid-safe mode	43
Kisekae tool	37
Koe-no-Takuhaibin	45, 48

L

Light alert	38
Lock/Security	39

M

Machi-chara setting	37
Mail	51
Make a call	45
Make a call by entering a phone number	45
Make a call from phonebook	45
Make a call in your country of stay	51
Make a call outside your country of stay (including Japan)	51
Make a call to WORLD WING subscriber	51
Make a videophone call	45
Manage folder	54
Manner mode	36
Melody Call	48
Menu operation	31
Menu setting	29
microSD Card	76
Missed Call Notification Service	48
Move page	58
Multi number	48
Multishot camera	64
Music	68
MUSIC Player	68
MUSIC Player screen	69

N

Network security code	40
Network service	48
Nuisance Call Blocking Service	48

O

Omakase Lock	42
Open external connector terminal cover	19
Operation guidance key	30
Operation sound	35
Options and related devices	87

Osaifu-Keitai	72
Outbox	53
Overseas use	49

P

Part names and functions	3
Password	40
Payphone	43
PC connection	80
Personal alarm	75
Personal data lock	42
Phonebook	55
PIN1 code/PIN2 code	41
Play shot moving pictures	63
Play videos	68
Power on/off	27
Precautions	5
Profile	28
Public Mode (Drive Mode)	47, 48
Public Mode (Phone OFF)	47, 48
PUK (PIN Unlock Key)	41

R

Receive a call	46
Receive a videophone call	46
Receive Area Mail	54
Receive data	
iC communication	79
Infrared communication	78
Receive information	73
Receive setting	54
Receive SMS	55
Received calls	
Add phonebook entries	56
Make a call	45
Reception	68
Record message	47

Recording	68
Redial	
Add phonebook entries	56
Make a call	45
Register all numbers/addresses	56
Register profile	28
Remove back cover	20
Reply to i-mode mail	53
Reset.	44
Ring tone.	35

S

Scanning function	85
Schedule	75
Screen explanation	28
Screen memo	59
Security code	39
Security Scan (Scanning function)	85
Select a link.	58
Select menu	29
Select startup menu	36
Self mode	42
Send data	
iC communication.	79
Infrared communication	78
Send i-mode mail	52
Send SMS.	55
Shabette-Kensaku	74
Shoot by scene	64
Shoot moving picture	63
Shoot still picture.	62
Shooting screen	61
SMS	55
Sort rules.	54
Sound/Screen setting	35
Specific absorption rate (SAR) of mobile phone	88
Stock icon	29

Sub display	29
Submenu	31
Support	81
Switch browsers	58
Switch entry modes	34
Switch to Full Browser	58
Switch to i-mode	58

T

Terminal security code	40
Ticker display setting	60
ToruCa	72
Toy camera	64
Troubleshooting	81

U

UIM operation	55
Unavailable	43
Unlock SIM lock	97
Unregistered caller	44
Unsent messages	53
Update pattern definitions	86
Update software	84
Update from icon	85
Update from menu	85
Use 1Seg	65
Use MyFACE	33
Use shortcut	33

V

Various functions for shooting	64
Various lock functions	42
Vibrator	35
View and operate sites	58
View i-mode site	57
Voice Mail Service	48

Voice Quick Start	74
-------------------------	----

W

Warranty	83
Warranty and After-Sales Service.	83
Waterproof/Dustproof	18
Charge	23
Drain water.	22
Precautions	20
Things to keep in mind	19
What you can do	19
WORLD CALL	46
WORLD WING	49

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From i-mode iMenu ▶ お客様サポート (user support) ▶ お申込・お手続き (Applications/Procedures) ▶ ドコモオンライン手続き (docomo online procedure) **Packet communication charges free** (in Japanese only)

From a PC My docomo (<https://www.nttdocomo.co.jp/mydocomo/>) ▶ ドコモオンライン手続き一覧 (Lists of the docomo online procedure) (in Japanese only)

- ※ Use “network security code” to access from i-mode.
- ※ Some services may be charged when you access the website from i-mode.
- ※ Use “docomo ID/Password” to access from a PC.
- ※ If you do not have or you have forgotten your “network security code” or “docomo ID/Password”, contact the number listed in “General Inquiries” on the last page.
- ※ The websites may not be available depending upon the content of your subscription.
- ※ You may not be able to access some website services due to system maintenance etc.

Using mobile phone with your manners!



Please be considerate of those around you when using a mobile phone in public places.

Turn off your FOMA terminal in the following places

- **When in an area where use is prohibited**
When you are on an airplane or in a hospital, follow the instructions given by the respective airlines or medical facilities. Turn off the handset in areas where the use of mobile phones is prohibited.

Set Public Mode in the following places

- **While driving**
Using a mobile phone in hand while driving is regarded as a punishable act. However, some cases such as when rescuing sick and injured people or maintaining public safety are exempted.
- **When in public places such as theaters, movie theaters or museums**

Be considerate of the privacy of the individuals around you

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



DOCOMO's contribution to environment

Simplified manual

We simplified the manual and reduced paper consumption by explaining the basic operation in Japanese version of this manual.

You can check Guide (in Japanese only, contained in the FOMA terminal) and DOCOMO website for frequently-used function and detailed explanation.

Collecting and recycling of mobile phones



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携帯電話・PHSのリサイクルにご協力を。

We collect your unnecessary mobile phones and other devices irrespective of carrier. Bring them to a docomo Shop near you.

※Intended devices: Mobile phone, PHS, battery pack, charger and desktop holder (irrespective of carrier)

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

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

※ Service available in: English, Portuguese, Chinese, Spanish.
※ 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** ■ **From land-line phones**
(In Japanese only)

 (No prefix) **151** (toll free)  **0120-800-000** (toll free)
※ Unavailable from land-line phones, etc. ※ 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 <https://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** ■ **From land-line phones**
(In Japanese only)

 (No prefix) **113** (toll free)  **0120-800-000** (toll free)
※ Unavailable from land-line phones, etc. ※ Unavailable from part of IP phones.

For loss, theft, malfunction, and inquiries while overseas (24-hour reception)

■ **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 SH-07F, you should dial the number +81-3-6832-6600 (to enter "+", press and hold the "0" key for at least 1 second).

■ **From land-line phones <Universal number>**

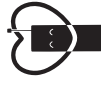
Universal number
international prefix **-8000120-0151***

* 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.

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

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



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

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



Li-ion00

Sales: NTT DOCOMO, INC.
Manufacturer: SHARP Corporation

'14.5 (1st Edition)
14E SM106①

SH-07F

Manual for PC Connection

● Data communication.	1
● Before using data communication	2
● Flow of setup for data transfer (OBEX™ communication)	3
● Flow of setup for data communication	3
● Connecting up PC to the FOMA terminal.	4
● Installing FOMA communication configuration file	5
● Set network transmission with DOCOMO Connection Manager	8
● Set network transmission without using DOCOMO Connection Manager	14
● Sending and receiving data (OBEX™ communication)	20
● List of AT command	22

Manual for PC Connection

This manual explains the necessary items to perform the data communication with SH-07F and the installation methods of “FOMA communication configuration file” and “DOCOMO Connection Manager”.

The operation procedure and screens may be partly different depending on the use environment.

Data communication

Data communication available for the FOMA terminal

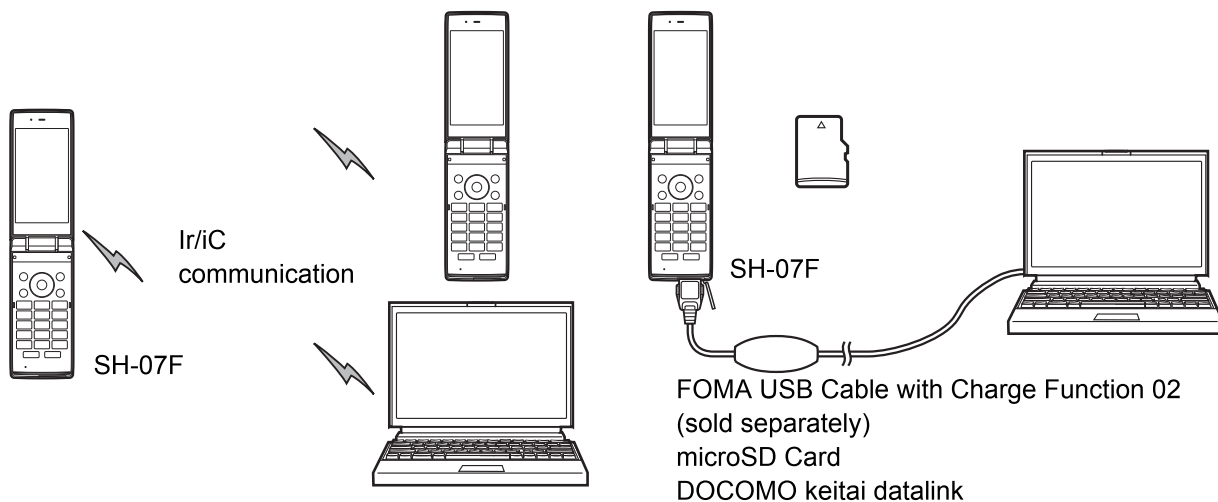
The FOMA terminal communication formats fall into three categories: packet communication, 64K data communication and data transfer.

- The FOMA terminal does not support fax transmissions.
- The FOMA terminal is not compatible with Remote Wakeup.
- Unable to use 64K data communication by connecting a PC, etc. overseas.
- To use packet communication overseas, communicate with IP connection (PPP connection is not available for packet communication).

■ Data transfer (OBEX™ communication)

Send or receive data such as images, music, phonebook entries, and messages between the FOMA terminal and another FOMA terminal or PC, etc.

- Data which can be sent and received vary depending on transfer method. Refer to “Manual (detailed edition)” (in Japanese only) (in PDF format) for data which can be sent and received by each transfer method.



■ Packet communication

Charges incurred are based on the amount of data sent and received. When you are only connected to the network and are not sending or receiving data, no communication charges are incurred. Remain connected to the network, with no charge, and only send or receive data when necessary.

By using access points that are compatible with the FOMA packet communication, such as the DOCOMO Internet connection services “mopera U”, high-speed data communication of up to 7.2 Mbps downlink and 5.7 Mbps uplink is available (A best-effort system is provided in which communication speeds vary depending on the communication environment and network traffic conditions).

- The maximum values (7.2 Mbps and 5.7 Mbps) are the values based on the technical standard, and not the actual communication speed. The actual communication speed varies depending on the network congestion or communication environment.
- The communication speeds may slow outside the FOMA HIGH-SPEED area or when connecting to the access point that does not support HIGH-SPEED or when using the device that does not support HIGH-SPEED.

For a packet communication, connect the FOMA terminal to a device such as a PC using FOMA USB Cable with Charge Function 02 (sold separately) and perform appropriate settings. Best suited for sending and receiving mail text data or other relatively small amounts of data at high speeds.

Note that sending or receiving large files will lead to higher communication charges.

Making voice calls while performing packet communication with a PC or other devices is possible.

■ 64K data communication

Charges incurred are based on the connection time. This communication uses access points that are compatible with FOMA 64K data communication, such as the DOCOMO Internet connection services “mopera U”, or a synchronous ISDN 64K access point.

For 64K data communication, connect the FOMA terminal to a device such as a PC using FOMA USB Cable with Charge Function 02 and perform appropriate settings. Best suited for sending and receiving relatively large amounts of data, such as downloading Data box contents.

Note that a long-time communication leads to higher communication charges.

Things to keep in mind

■ Internet service provider fees

When using the Internet, usage fees are charged by the Internet service provider. These usage fees, paid to the Internet service provider, are separate from the FOMA service fee. Contact your Internet service provider for details on usage fees.

Use the DOCOMO Internet connection services “mopera U”. “mopera U” requires subscription (fees apply).

■ Host (Internet service provider, etc.) settings

Hosts for a packet communication and 64K data communication differ. For a packet communication, use a host that supports the FOMA packet communication, and for a 64K data communication, use a host that supports the FOMA 64K data communication or synchronous ISDN 64K communication.

■ Packet communication and 64K data communication conditions

The following conditions are necessary for a data communication (packet communication/64K data communication) using the FOMA terminal in Japan.

- The PC must support the FOMA USB Cable with Charge Function 02.
- Must be within the FOMA service area.
- For a packet communication, the access point must be compatible with the FOMA packet communication.
- For a 64K data communication, the host must support the FOMA 64K data communication or synchronous ISDN 64K communication.

However, even if above conditions are met, communication may not be possible due to a busy base station or poor signal conditions.

- When performing a packet communication, the device connected to your FOMA terminal must be a JATE (Japan Approvals Institute for Telecommunications Equipment) authorized product.

Before using data communication

Operating environment

The following lists the operating environments for using data communications.

Item	System requirements
PC	PC/AT compatible When using FOMA USB Cable with Charge Function 02 (sold separately): A USB port (Universal Serial Bus Specification Rev1.1/2.0-compliant) Display resolution 800 × 600 dots or more and High Color 16 bits or more are recommended ● 1024 × 600 dots or more for DOCOMO Connection Manager (1024 × 768 dots or more is recommended)
OS	Windows Vista SP2, Windows 7 SP1, Windows 8, Windows 8.1 (all Japanese versions)
Required memory	Windows Vista: At least 512 MB Windows 7 (32 bit version): At least 1 GB Windows 7 (64 bit version): At least 2 GB Windows 8 (32 bit version): At least 1 GB Windows 8 (64 bit version): At least 2 GB Windows 8.1 (32 bit version): At least 1 GB Windows 8.1 (64 bit version): At least 2 GB
Hard disk	At least 5 MB free space ● At least 10 MB free space for DOCOMO Connection Manager
Web browser*	Internet Explorer 8.0 or later
E-mail client*	Windows Mail

* The operating environments are required for DOCOMO Connection Manager.

- Check the DOCOMO website for the latest information of operating environment.
- Required memory and hard disk may differ depending on the PC system configuration.
- The operation in an environment with an upgraded, added or changed OS cannot be guaranteed.
- DOCOMO Connection Manager does not support Windows 8.1.
- Depending on the operating environment, the use of the software may not be possible. DOCOMO holds no responsibility for responding to inquiries or guaranteeing operation in environments other than those specified above.

Required equipment

The following hardware and software are required besides the FOMA terminal and a PC.

- FOMA USB Cable with Charge Function 02 or FOMA USB Cable (sold separately)
- FOMA communication configuration file (Driver)*

* Download from the DOCOMO website.

- Use a dedicated USB cable “FOMA USB Cable with Charge Function 02” or “FOMA USB Cable”. USB cables for PC are not available since the connector shape is different.
- The use of a USB HUB may not work correctly.

Flow of setup for data transfer (OBEX™ communication)

FOMA USB Cable with Charge Function 02 (sold separately) is required to install the FOMA communication configuration file.

Install the “FOMA communication configuration file” (Driver)
● Download and install the “FOMA communication configuration file” (Driver) from the DOCOMO website (🔗 P. 5)



Data transfer

Flow of setup for data communication

This section describes the preparation to use a packet communication and 64K data communication. The flow is as shown below.

Install the “FOMA communication configuration file” (Driver)
● Download and install the “FOMA communication configuration file” (Driver) from the DOCOMO website (🔗 P. 5)



Connect up PC to the FOMA terminal using FOMA USB Cable with Charge Function 02 (sold separately) (🔗 P. 4)
--



Confirm installation (🔗 P. 6)



Download and install “DOCOMO Connection Manager” from the DOCOMO website (🔗 P. 8 to P. 12)	Set up a communication manually without using “DOCOMO Connection Manager” (🔗 P. 14)
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Connect (🔗 P. 13, P. 19)

- Use the broadband connection, etc. compatible “mopera U” (subscription necessary) for the convenient use of Internet with the FOMA terminal. There is a plan that only charges for months which the service was used.
- Set USB mode of the FOMA terminal to [Communication mode] for data communication using USB connection.

FOMA communication configuration file

To connect the FOMA terminal to your PC via FOMA USB Cable with Charge Function 02 for a data communication, download and installation of the FOMA communication configuration file from the DOCOMO website is required (☞ P. 5 to P. 7).

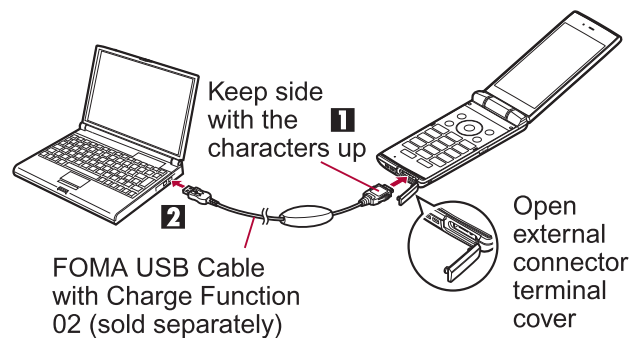
- If installation fails and [FOMA SH07F] is not listed in the screens of step 3 of “Confirming installed FOMA communication configuration file (Driver)” on P. 6, uninstall the FOMA communication configuration file (☞ P. 7) and install it again.
- If, for some reason, the PC is unable to recognize the FOMA terminal, uninstall the FOMA communication configuration file (☞ P. 7) and install it again.

Connecting up PC to the FOMA terminal

Connect the FOMA terminal to your PC with both devices turned on. If the FOMA terminal is connected to your PC, [B] appears on the FOMA terminal screen. If the FOMA communication configuration file is not installed, install the file before connecting the FOMA terminal to the PC (☞ P. 5).

Connecting using FOMA USB Cable with Charge Function 02

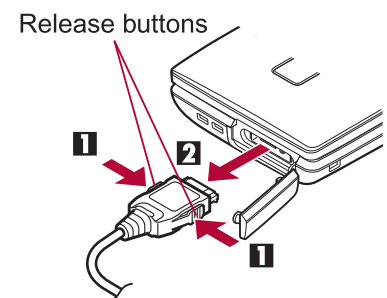
- 1** Insert the FOMA terminal side connector of the FOMA USB Cable with Charge Function 02 (sold separately) horizontally into the external connector terminal on the FOMA terminal (1).



- 2** Insert the PC side connector of the FOMA USB Cable with Charge Function 02 into the USB connector on the PC (2).

How to remove

- 1** Hold the release buttons on the FOMA terminal side of the FOMA USB Cable with Charge Function 02 (1), and pull out from the FOMA terminal (2).
- 2** Pull the FOMA USB Cable with Charge Function 02 out from the PC.



- Set USB mode setting of the FOMA terminal to [Communication mode] and connect.
 - To set to communication mode: In the Normal menu on the FOMA terminal, select [Setting] ▶ [External connection] ▶ [USB mode] ▶ [Communication mode].
- Do not remove the FOMA USB Cable with Charge Function 02 during data communication. Otherwise, communication disconnection or data loss may occur.

Installing FOMA communication configuration file

To make data communication by connecting the FOMA terminal to a PC via FOMA USB Cable with Charge Function 02 (sold separately), the FOMA communication configuration file is required.

- End all resident software before the FOMA communication configuration file (Driver) is installed.

Installing FOMA communication configuration file (Driver)

- Install on the PC using a user with administrator rights.
 - When User Account Control screen appears, click [はい] (Yes) or [許可] (Permitted) and [続行] (Continue).
- Perform steps 1 to 6 first, and then connect the FOMA terminal to the PC.

1 Access the page for FOMA communication configuration file (Driver) from the DOCOMO website.

- Access the following website.
https://www.nttdocomo.co.jp/support/utilization/application/foma/com_set/driver/index.html (in Japanese only)

2 Proceed to the page for the driver of SH-07F.

3 Confirm the user licensing agreement and click [同意する] (Agree) to agree for downloading.

- The following warning message may appear. This warning is shown by the security setting of Internet Explorer but does not cause any problem for use.



- When the warning screen appears

Click [実行] (Run).

4 Double-click the downloaded driver [SH07Fs.exe].

5 Click [インストール開始] (Start install).

For Windows Vista

- Click [インストール開始] (Start install) and proceed to step 8.

6 Click [セットアップ開始] (Start setting up).

7 Click [OK] when [デバイスメタデータをコピーしました] (Device metadata is copied) appears.

8 Connect the FOMA terminal to your PC via FOMA USB Cable with Charge Function 02 when [FOMA SH07FとPCをFOMA USB接続ケーブルにて接続してください。] (Connect the FOMA SH07F to your PC via FOMA USB Cable.) appears.

- The installation in progress screen appears and installation automatically begins.
- Connect the FOMA terminal while the power is on.

9 Click [OK] when [FOMA SH07Fドライバのインストールが完了しました。] (Installation of FOMA SH07F driver is completed.) appears.

- Installation of the FOMA communication configuration file finishes.

- Installation may take a few minutes.
- When [プログラム互換性アシスタント] (Program Compatibility Assistant) appears, click [このプログラムは正しくインストールされました] (This program installed correctly).
- When a message prompting to restart the PC appears, follow the instruction and restart.
- When [他のデバイスドライバのインストールが終了後に再度インストーラを実行してください。] (Run the installer again after other device drivers are installed) appears, uninstall other drivers automatically installed and install the driver. Refer to "Uninstalling FOMA communication configuration file (Driver)" for steps on uninstalling.

Confirming installed FOMA communication configuration file (Driver)

If the FOMA terminal is not properly recognized by the PC, setup and communications are not possible.

Example: Confirming Windows 8.1 drivers

- The screens may be different for Windows 8, Windows 7 and Windows Vista.

1 Start screen ▶ click [デスクトップ] (Desktop), point the cursor at the top right of the screen and click [設定] (Settings) ▶ [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) ▶ [システム] (System).

- System properties screen appears.

For Windows 7

1 Click [スタート] (Start) menu ▶ [コントロールパネル] (Control panel).

2 Click [システムとセキュリティ] (System and Security)

For Windows Vista

1 Click [スタート] (Start) menu ▶ [コントロールパネル] (Control panel).

2 Click [システムとメンテナンス] (System and maintenance) ▶ the [システム] (System) icon.

2 Click [デバイスマネージャー] (Device manager).

- The device manager screen appears.

For Windows Vista

1 Click [デバイスマネージャ] (Device manager) in [タスク] (Task).

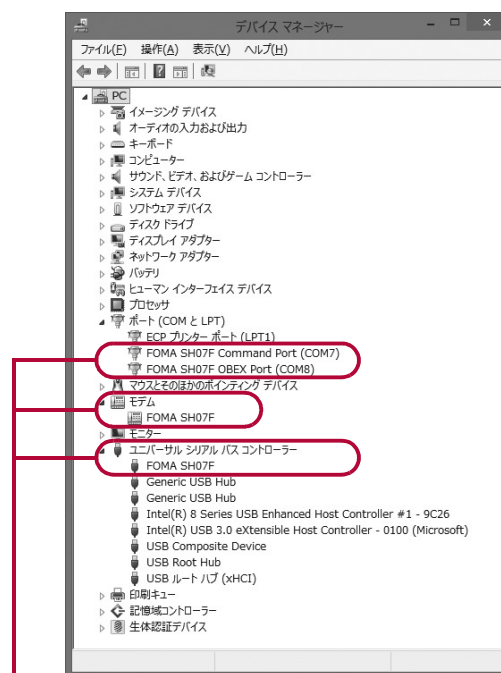
3 Click on each device, and confirm the name of the installed device.

Confirm that the names of all the installed devices are displayed for [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)] (Ports (COM and LPT)) and [モデム] (Modems).

- The following drivers are installed when the FOMA communication configuration file is installed.

Device type	Device name
Universal Serial Bus controllers	● FOMA SH07F
Ports (COM and LPT)	● FOMA SH07F Command Port (COMx)* ● FOMA SH07F OBEX Port (COMx)*
Modem	● FOMA SH07F

* The "x" from "COMx" is a number and differs depending on the PC.



If recognized, they will appear in this manner.

- If installation fails or [FOMA SH07F] does not appear in the screen of step 3, uninstall the file and then install it again. Refer to "Uninstalling FOMA communication configuration file (Driver)" for steps on uninstalling.

Uninstalling FOMA communication configuration file (Driver)

This section describes how to uninstall the FOMA communication configuration file.

- When uninstalling the FOMA communication configuration file, the PC user must have administrator rights. An error will occur when other users attempt to uninstall this software.
Contact the computer manufacturer or Microsoft Corporation for information about configuring the administrator rights setting.
- When User Account Control screen appears, click [はい] (Yes) or [許可] (Permitted) and [続行] (Continue).

■ Uninstalling from control panel

Example: Uninstalling from Windows 8.1

- The screens may be different for Windows 8, Windows 7 and Windows Vista.

1 Start screen ▶ click [デスクトップ] (Desktop), point the cursor at the top right of the screen and click [設定] (Settings) ▶ [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 programs) screen appears.

For Windows 7

- 1 Click [スタート] (Start) menu ▶ [コントロールパネル] (Control panel).
- 2 Click [プログラムのアンインストール] (Uninstall programs).

For Windows Vista

- 1 Click [スタート] (Start) menu ▶ [コントロールパネル] (Control panel).
- 2 Click [プログラム] (Programs) ▶ the [プログラムと機能] (Programs and features) icon.

2 Double-click [FOMA SH07F USB Driver].

3 When [FOMA SH07F ドライバーのアンインストールを行います。] (Uninstall FOMA SH07F driver.) appears, click [はい] (Yes).

- Uninstallation of the FOMA communication configuration file begins.

For Windows Vista

- Click [はい] (Yes) and proceed to step 6.

4 When [SH07Fのデバイス メタデータをWindowsから削除します。] (Delete device metadata of SH07F from Windows.) appears, click [削除開始] (Start deleting).

5 When [デバイスメタデータを削除しました] (Device metadata is deleted) appears, click [OK].

6 When [アンインストールは完了しました。PCを再起動してください。] (Uninstallation of the driver is completed. Restart the PC.) appears, click [OK] and restart the PC.

- Uninstallation of the FOMA communication configuration file finishes.

- If [FOMA SH07F USB Driver] is not displayed on the [プログラムのアンインストールまたは変更] (Uninstall or change programs) screen, double-click [SH07Fc.exe] in the ¥SH07F_Win8_32 folder of the downloaded driver [sh-07f_driver] to uninstall.

- * For Windows 8 (32 bit version): In the ¥SH07F_Win8_32 folder
For Windows 8.1/Windows 8 (64 bit version): In the ¥SH07F_Win8_64 folder
For Windows 7 (32 bit version): In the ¥SH07F_Win7_32 folder
For Windows 7 (64 bit version): In the ¥SH07F_Win7_64 folder
For Windows Vista (32 bit version): In the ¥SH07F_WinVista32 folder
For Windows Vista (64 bit version): In the ¥SH07F_WinVista64 folder

- When [プログラム互換性アシスタント] (Program Compatibility Assistant) appears, click [このプログラムは正しくインストールされました] (This program installed correctly).

Set network transmission with DOCOMO Connection Manager

DOCOMO Connection Manager

DOCOMO Connection Manager is a software which is convenient for using data communication of DOCOMO. Easily set the PC depending on the subscription. In addition, use the charge counter function to check the approximate data communication volume or usage fee.

- This manual describes the installation method of DOCOMO Connection Manager.
- Subscription to the Internet service provider (mopera U, etc.), compatible with the flat-rate data plan or FOMA service and data communication is required to connect to the Internet using the terminal.
- Refer to the DOCOMO website for details.

https://www.nttdocomo.co.jp/support/utilization/application/service/connection_manager/ (in Japanese only)



Connect/Disconnect button

Using measured-rate data communication

- Note that transmitting large amounts of data using packet communication, such as viewing a website with images and downloading data (Example: application, music or movie data, updating OS or antivirus software) will lead to higher communication charges.

Note that flat-rate packet communication service, "Pake-hodai", "Pake-hodai full", do not apply to charges of data communication with the FOMA terminal connected to PC, etc. using a USB cable.

Before installing DOCOMO Connection Manager

■ Preparation for Installation

STEP 1 Setup preparation

Prepare the FOMA terminal and the FOMA USB Cable with Charge Function 02 (sold separately).

STEP 2 Confirming the content of subscription

Confirm the content of subscription to the billing plans, discount service and Internet service provider.

STEP 3 Changing the settings

If the connection software other than DOCOMO Connection Manager is installed, change the setting as necessary not to activate automatically.

Refer to "Using the connection software other than DOCOMO Connection Manager" on P. 9.

STEP 4 Acquiring DOCOMO Connection Manager

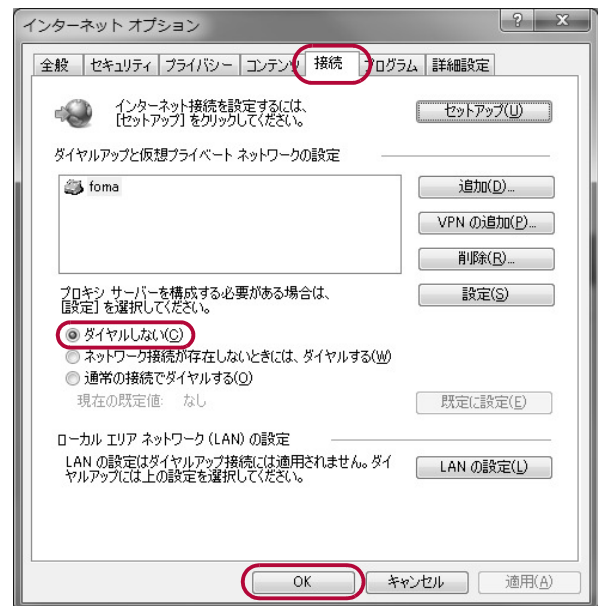
Download and install DOCOMO Connection Manager from the DOCOMO website.

Setting Internet Explorer

Before installing this software, set the connection setting to [ダイヤルしない] (No) on the internet option of Internet Explorer.

- Settings are necessary if the version of Internet Explorer is 8, 9 or 10.

- 1 Activate Internet Explorer and click [ツール] (Tool) ▶ [インターネットオプション] (Internet option).
- 2 Click the [接続] (Connection) tab and then select [ダイヤルしない] (No).
- 3 Click [OK].



1 Logon with a user which uses DOCOMO Connection Manager.

- When installing DOCOMO Connection Manager, the PC user must have administrator rights. An error may occur when other users attempt to uninstall this software.
- If PC is logged on with other than manager account, a screen to enter the user name and password of the administrator appears during install.

2 End all activating applications.

- When installing DOCOMO Connection Manager, resident programs on Windows including anti-virus software are also ended.

Example: Right-click the icon displayed in the task bar and select [閉じる] (Close) or [終了] (Exit).

Using the connection software other than DOCOMO Connection Manager

- This software has built-in functions equal to the following software. The following software is not required to be used simultaneously.

Change the setting not to activate or uninstall them as necessary.

■ The software not required to be used simultaneously

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

In addition, when using docomo Wi-Fi with this software, uninstall the following public wireless LAN connection software.

※ If the following software is installed simultaneously, docomo Wi-Fi connection with this software is not available.

- U public wireless LAN utility software
- DOCOMO public wireless LAN utility software

Installing DOCOMO Connection Manager

Example: Installing to Windows 8

- The screens are different for Windows 7 and Windows Vista.

1 Access the page for DOCOMO Connection Manager from the DOCOMO website.

- Access the following website.

https://www.nttdocomo.co.jp/support/utilization/application/service/connection_manager/

2 Click [ドコモ コネクションマネージャ(Windows®用)] (DOCOMO Connection Manager (for Windows®)).

3 Click [[ドコモ コネクションマネージャ(Windows®用)]ダウンロード] (Downloading DOCOMO Connection Manager (for Windows®)).

4 Confirm the user licensing agreement and click [同意する] (Agree) to agree for downloading.

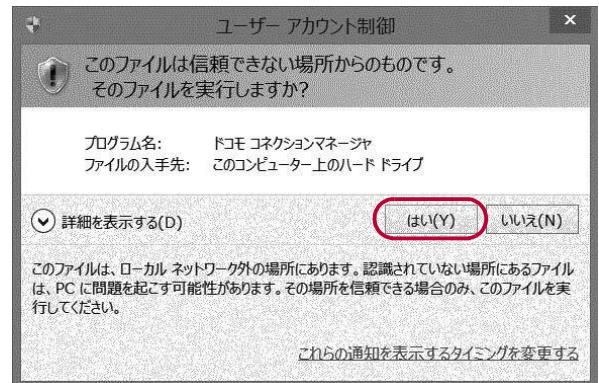
- The following warning message may appear. This warning is shown by the security setting of Internet Explorer but does not cause any problem for use.

■ When the warning screen appears

Click [実行] (Run).



5 Click [はい] (Yes).



For Windows Vista

1 Click [続行] (Continue).

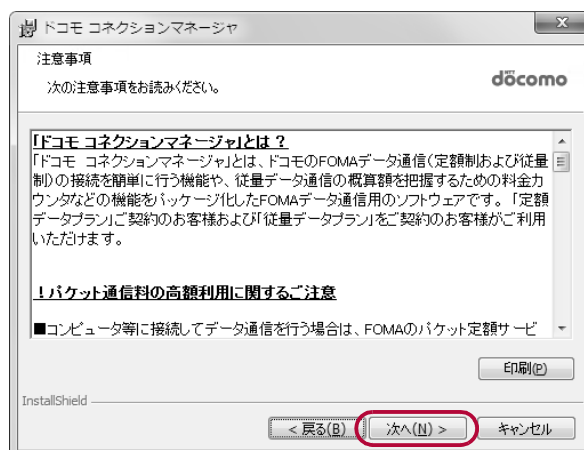


6 Click [次へ] (Next).



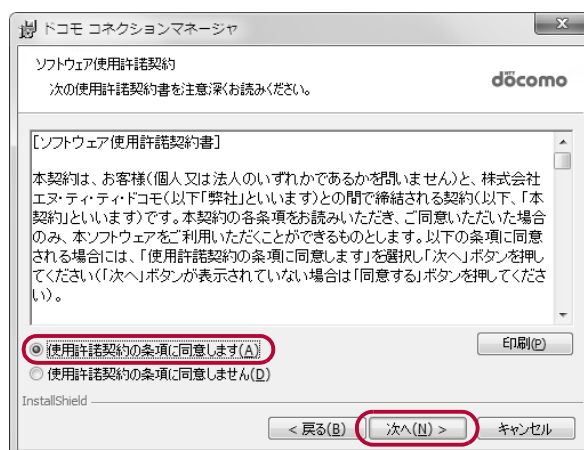
7 Confirm the content and click [次へ] (Next).

- The precaution appears. Make sure to confirm its content. Click [キャンセル] (Cancel) to cancel the installation.



8 Read the licensing agreement and select [使用許諾契約の条項に同意します] (Agree to articles of the user licensing agreement) and then click [次へ] (Next) to agree.

- This is the user licensing agreement for DOCOMO Connection Manager. Click [キャンセル] (Cancel) to cancel the installation.



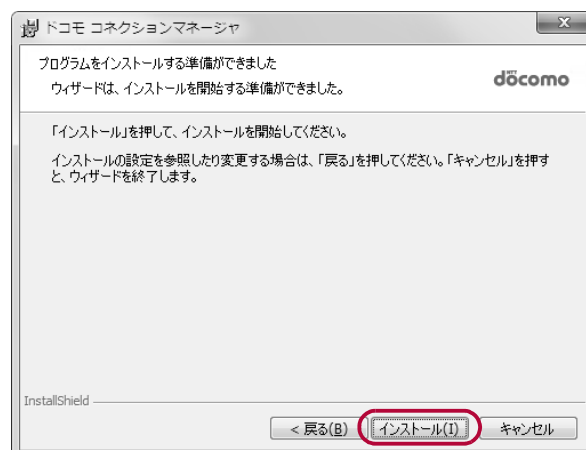
9 Confirm the destination program folder and click [次へ] (Next).

- To change the destination program folder, click [変更] (Change), select a destination for installation and click [次へ] (Next).



10 Click [インストール] (Install).

- Installation begins.



11 Click [完了] (Finish).

- Installation is completed.



Activating DOCOMO Connection Manager

1 Select [スタート] (Start) menu ▶ [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).

- In the start screen of Windows 8, tap or click [ドコモ コネクションマネージャ] (DOCOMO Connection Manager).
- When the software is activated for the first time, the setting wizard appear. Operate and make the setting according to the guidance from the software to prepare for the connection to the Internet. Refer to DOCOMO Connection Manager's help for details.



- Communication is not disconnected by only ending the internet browser or mail software. Be sure to disconnect the communication with [切断する] (Disconnect) button of DOCOMO Connection Manager when communication is not in use. If the automatic update is set for updating OS, etc., the software is automatically updated and it may lead to higher Packet communication charges.



Connect/Disconnect button

Set network transmission without using DOCOMO Connection Manager

Setting communications for packet communication and 64K data communication

This section describes how to set up packet communication and 64K data communication without using DOCOMO Connection Manager.

To make the settings, communication software for entering AT commands are required. Use software compatible with the respective OS to set up communications (follow the instructions for the software).

- The flow for setting up with use of AT commands is as follows.
- To use 64K data communication, there is no host (APN) setting.

Start up communication software that supports AT commands



Set the host (APN) (☞ P. 14)



Set the Send/Not send caller ID (☞ P. 15)



Set the Dial-up Network (☞ P. 16)



End communication software

- Install the FOMA communication configuration file before making settings for packet communication and 64K data communication (☞ P. 5).
- AT commands are commands for controlling the modem. The FOMA terminal is compliant with AT commands and also supports some extended commands, as well as some unique AT commands.
- Making host (APN) settings is not necessary when using mopera U, the DOCOMO Internet connection service, since it is set as the default.
- Set Notify caller ID as necessary (When using mopera U, set [Send]). The default setting is [Not send].
- Set other settings as necessary. Use is possible with the default settings.

Setting host (APN)

Set the host (APN) for using packet communication. Register up to ten numbers. Hosts are managed using cid numbers from 1 to 10 (☞ P. 15). The default setting for cid1 is “mopera.net”, the APN used to connect to mopera U (<PDP_type> is “PPP”). The default setting for cid3 is “mopera.net”, the APN used to connect to mopera U (<PDP_type> is “IP”). The default setting for cid4 is “mpr.ex-pkt.net”, the APN used to connect to mopera U (<PDP_type> is “PPP”). Save hosts (APN) to cid2, 5 to 10.

- The registered cid is the connection number set in the dial-up connection settings.
- Contact the Internet service provider or network administrator for hosts (APNs) other than mopera U.

1 Connect the FOMA terminal to your PC via FOMA USB Cable with Charge Function 02 (sold separately).

2 Start up communication software.

3 Enter host (APN) and press .

- Enter host (APN) in the format: AT+CGDCONT=<cid>, "<PDP_type>","APN" ( P. 25).
 <cid> : Enter 2 or any of 5 to 10.
 "<PDP_type>" : Enter "PPP" or "IP".
 "APN" : Enter the host (APN) enclosed in " ".
- To check the current host (APN) setting, enter AT+CGDCONT?, and the settings appear in a list.

When nothing appears on the screen when AT commands are entered

- ATE1
 Refer to P. 29 for details on AT commands.

When resetting APN settings using AT commands

- AT+CGDCONT= : To reset all the cids
- AT+CGDCONT=<cid> : To reset only specific cids

When reset, <cid>=1 or 3 returns to "mopera.net" (default setting), <cid>=4 returns to "mpr.ex-pkt.net" (default setting) and settings for <cid>=2, 5 to 10 are unregistered.

When confirming APN settings using AT commands

- AT+CGDCONT?
 Refer to P. 25 for details on AT commands.

4 Confirm that the settings are finished and end communication software.

Setting Send/Not send caller ID

Handset number (Caller ID) is important personal information. Use caution when setting.

1 Start up communication software.

2 Set either Send caller ID (186) or Not send caller ID (184) during packet communication.

- Enter in the format: "AT*DGPIR=<n>" ( P. 24).
 AT*DGPIR=1 : Add "184" when packet communication is established with the host (APN).
 AT*DGPIR=2 : Add "186" when packet communication is established with the host (APN).

3 Confirm that the settings are finished.

■ Send/Not send setting on dial-up networks

Adding "186" (Send) and "184" (Not send) to the host number in dial-up networks is also possible. Setting "186" (Send) and "184" (Not send) in both the *DGPIR command setting and the dial-up network setting results in the following.

Dial-up network setting (when <cid>=2)	Using the *DGPIR command Send/ Not send setting	Send/Not send caller ID
*99***2#	Not set (default setting)	Send
	Not send	Not send
	Send	Send
184*99***2#	Not set (default setting)	Not send (dial-up network "184" is given priority)
	Not send	
	Send	
186*99***2#	Not set (default setting)	Send (dial-up network "186" is given priority)
	Not send	
	Send	

- Enter "AT*DGPIR=0" to return "186" (Send)/"184" (Not send) to [Not set] (default setting).
- Set [Send] for sending caller ID when using mopera U, the DOCOMO Internet connection service.

Setting dial-up network

Set the host and TCP/IP protocol. Contact the Internet service provider or network administrator for details on settings.

■ Hosts

For packet communication, set the host (APN) in advance. Register numbers (cid) 1 to 10 for the host (APN) in advance, to enable using packet communication by specifying control numbers. Host (APN) settings are the equivalent to a phonebook for packet communication on a PC. Compared to normal phonebook entries, they appear as follows.

In phonebook	In Packet communication setting
Registered number (memory number)	Control numbers (cids) 1 to 10
Other party's name	Host name (host (APN))
Other party's phone number	*99***<cid>#

For example, when the mopera U host (APN), "mopera.net", is registered for cid1, connecting to the mopera U is possible by specifying the host number "*99***1#". Other registered cids can be used similarly.

*99***1# : Connects to host (APN) registered to cid1. Alternatively, connect with just *99#.

*99***2# : Connects to host (APN) registered to cid2.

to

*99***10# : Connects to host (APN) registered to cid10.

The default setting for cid1 is "mopera.net", the APN used to connect to mopera U (<PDP_type> is "PPP"). The default setting for cid3 is "mopera.net", the APN used to connect to mopera U (<PDP_type> is "IP"). The default setting for cid4 is "mpr.ex-pkt.net", the APN used to connect to mopera U (<PDP_type> is "PPP"). When connecting to a corporate LAN or Internet service providers other than mopera U, register the host (APN) using cid2, 5 to 10 (P. 15).

For 64K data communication, enter the access point phone number supplied by the Internet service provider or network administrator.

- Contact the Internet service provider or network administrator for more information on settings.
- Access point phone number is "*8701" for mopera U when using 64K data communication.
- When using packet communication, enter "*99***3#" for mopera U (default setting).

■ Setting a dial-up network

Use "ネットワークの接続ウィザード" (Network connection wizard) to set the host (APN).

Example: Using <cid>=3 to connect to mopera U, the DOCOMO Internet connection service on Windows 8.1

- The screens may be different for Windows 8, Windows 7 or Windows Vista.
- Subscription to mopera U requires a charge.

1 Start screen ▶ click [デスクトップ] (Desktop), point the cursor at the top right of the screen and click [設定] (Settings) ▶ [コントロールパネル] (Control Panel).

For Windows 7

1 Click [スタート] (Start) menu ▶ [コントロールパネル] (Control panel).

For Windows Vista

1 Click [スタート] (Start) menu ▶ [接続先] (Connect to) and proceed to step 4.

2 Click [ネットワークとインターネット] (Network and Internet).

3 Click [ネットワークと共有センター] (Network and sharing center).

- The connect to a network screen appears.

4 Click [新しい接続またはネットワークのセットアップ] (Set up new connection or network).

- The connect to a network screen appears.

For Windows Vista

1 Click [接続またはネットワークをセットアップします] (Set up a connection or network).

5 Click [インターネットに接続します] (Connect to the Internet) ▶ [次へ] (Next) ▶ [ダイヤルアップ] (Dial-Up).

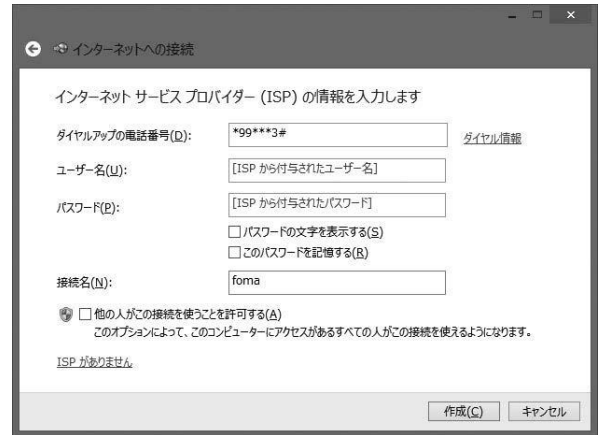
- When two or more modems are connected to the PC, [どのモデムを使いますか?] (Which modem do you want to use?) appears. Select [FOMA SH07F].
- The create a dial-up connection screen appears.

For Windows 7 and Windows Vista

- 1 Click [ダイヤルアップ接続をセットアップします] (Set up a dial-up connection) ▶ [次へ] (Next).

6 Enter the host number in the [ダイヤルアップの電話番号] (Dial-up phone number) field and a connection name in the [接続名] (Connection name) field, and then click [接続] (Connect).

- To connect to <cid>=3 (mopera U), enter “*99***3#” in the [ダイヤルアップの電話番号] (Dial-up phone number) field.
- When using mopera U, [ユーザー名] (User name) and [パスワード] (Password) can be left blank to connect.
- When connecting to the Internet using a provider other than mopera U, enter the user name and password for the provider in the [ユーザー名] (User name) and [パスワード] (Password) fields.



7 When [(接続名) に接続中] (Connecting to (Connection name)) appears, click [スキップ] (Skip).

- Only confirming the settings without actually connecting.
- If [スキップ] (Skip) is not clicked, the network is connected to the Internet.

8 Click [閉じる] (Close).

For Windows Vista

- 1 Click [接続をセットアップします] (Set up a connection) and click [閉じる] (Close).

9 Start screen ▶ click [デスクトップ] (Desktop), point the cursor at the top right of the screen and click [設定] (Settings) ▶ [コントロールパネル] (Control Panel).

For Windows 7

- 1 Click [スタート] (Start) menu ▶ [コントロールパネル] (Control panel).

For Windows Vista

- 1 Click [スタート] (Start) menu ▶ [ネットワーク] (Networking).
- 2 Click [ネットワークと共有センター] (Network and sharing center) ▶ [ネットワーク接続の管理] (Manage network connections) and proceed to step 12.

10 Click [ネットワークとインターネット] (Network and Internet).

11 Click [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) in [タスク] (Task).

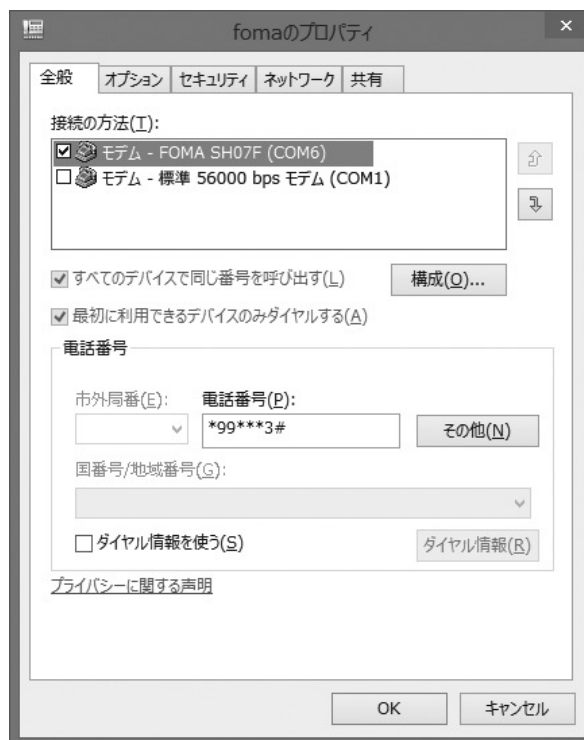
- The network connections screen appears.

12 Select and right-click the icon for host created and select [プロパティ] (Properties).

- Properties screen appears.

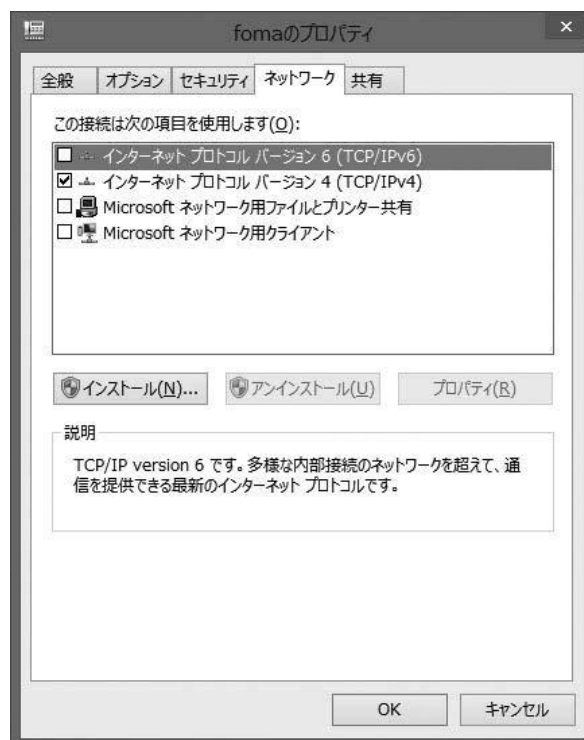
13 Confirm all the settings in the [全般] (General) tab.

- When two or more modems are connected to the PC, make sure that [FOMA SH07F] in [接続の方法] (Connection method) shows ☒. When ☐ appears instead, change to ☒. For modems other than [FOMA SH07F], change ☒ to ☐.
- Confirm that [ダイヤル情報を使う] (Use dialing rules) shows ☐. When ☒ appears instead, change to ☐.



14 Click the [ネットワーク] (Networking) tab and confirm all settings.

- In the [この接続は次の項目を使用します] (Components checked are used by this connection) field, ☒ should appear only for [インターネットプロトコルバージョン 4 (TCP/IPv4)] (Internet protocol version 4 (TCP/IPv4)). Set [QoSパケットスケジューラ] (QoS packet scheduler) according to the instructions of the provider.



15 Click the [オプション] (Option) tab and click [PPP設定] (PPP setting).

- The PPP setting screen appears.

16 Check all options to show ☐ and click [OK].

- The option setting screen reappears.



17 Click [OK].

- The host and TCP/IP protocol are set.
- Refer to P. 19 for details on connecting to dial-up network.

Connecting to dial-up network

Example: Connecting to the dial-up network via FOMA USB Cable with Charge Function 02 on Windows 8.1

- The screens may be different for Windows 8, Windows 7 and Windows Vista.

- 1 **Connect the FOMA terminal to your PC via FOMA USB Cable with Charge Function 02.**
- 2 **Start screen ▶ click [デスクトップ] (Desktop), point the cursor at the top right of the screen and click [設定] (Settings) ▶ [コントロールパネル] (Control Panel).**

For Windows 7

- 1 Click [スタート] (Start) menu ▶ [コントロールパネル] (Control panel).

For Windows Vista

- 1 Click [スタート] (Start) menu ▶ [接続先] (Connect to) and proceed to step 6.

- 3 **Click [ネットワークとインターネット] (Network and Internet).**
- 4 **Click [ネットワークと共有センター] (Network and sharing center).**
- 5 **Click [アダプターの設定の変更] (Change adapter setting) in [タスク] (Task).**
 - The dial-up network screen appears.

- 6 **Double-click the host icon, select the host and then click [接続] (Connect).**
 - The connection screen appears.

For Windows 7 and Windows Vista

- 1 Double-click the host icon.
 - Alternatively, select the host icon and then select [接続] (Connect) in the [ファイル] (File) menu to display the connection screen.



- 7 **Confirm the settings and click [ダイヤル] (Dial-up).**
 - The FOMA is connected to the host.
 - The phone number set in "Setting dial-up network" (P. 16) appears in the [ダイヤル] (Dial-up) field.
 - When using mopera U, [ユーザー名] (User name) and [パスワード] (Password) can be left blank to connect.



■ Disconnecting

Simply closing the browser may not disconnect the connection. Follow the steps below to properly disconnect.

1 Click in the task tray ▶ an item to disconnect, and click [切断] (Disconnect).

- The connection is disconnected.

For Windows Vista

- 1 Click  in the task tray ▶ [接続または切断...] (Connect or disconnect), and double-click the disconnection icon.

Sending and receiving data (OBEX™ communication)

Sending/Receiving FOMA terminal data to/from a PC

- The FOMA terminal has OBEX™ function as a data communication protocol. Connect the FOMA terminal to your PC via FOMA USB Cable with Charge Function 02 (sold separately), and the data communication (data communication with OBEX™ communication) enables sending and receiving phonebook, owner information from the own number screen, schedule, sent mail (including SMS), received mail (including SMS), unsent mail (including SMS), Area mail, memos, melodies, My picture, i-motion, My Documents, bookmark, ToruCa, Decome-Anime Template, and setting information.
 - Use the following three types of data communication with the FOMA terminal.
 - Send data one item at a time from a PC to a FOMA terminal (Write 1)
 - Send data in bulk from a PC to a FOMA terminal (Write all)
 - Send data in bulk from a FOMA terminal to a PC (Read all)
 - During data communication, the handset will be outside the service area, and functions such as voice/ videophone call, i-mode, i-mode mail or packet communication will not be available.
 - Even after completion of data communication, [圏外] (outside the service area) may be displayed for a short time.
-
- Make sure the FOMA terminal is properly connected to the PC. If not connected properly, sending and receiving data may not be possible, or data may be lost.
 - Check whether there is enough remaining battery power of the FOMA terminal. If data communication is performed when the battery level is low or empty, sending and receiving data may not be possible, or data may be lost.
 - Check the PC power supply as well. If not turned on, sending and receiving data may not be possible, or data may be lost.
 - Perform data communication with the FOMA terminal in stand-by. When movie/i-motion is set as the stand-by display, stop movie/i-motion playback before performing data communication.
 - During communication (voice/videophone call and data communication), data cannot be sent or received. Also, when sending and receiving data, other data communication cannot be performed. However, receiving a call, right after data communication has begun, may be possible. In such cases, the sending or receiving of data is canceled.
 - docomo mini UIM card phonebook data cannot be sent.
 - Mail with i-appli start up designations can be sent after attached data has been deleted.
 - Mail attachment data exceeding 100 KB (including the message text) are deleted and only message is sent.
 - Data such as phonebook entries cannot be sent or received while All lock or Personal data lock is set.
 - Phonebook data cannot be sent or received when Keypad dial lock is set.
 - Depending on data size, data communication may take some time. In addition, the FOMA terminal may not be able to receive data due to data size.
 - When receiving phonebook data, data will be added from memory number [0010] for single entry, or in accordance with memory number information when receiving all entries.
 - When receiving all phonebook entries, Profile (excluding first phone number) registered in Own number will be overwritten.
 - Phonebook entries are sent in memory number order.
 - When sending all phonebook entries, Profile from own number screen is also sent.
 - PDF files which exceed 2 MB cannot be sent.
 - Alternatively, send and receive data (OBEX) with the following methods (Some data may not be sent or received depending on the function).
 - Ir communication ■ iC communication ■ microSD Card

■ Devices required for data communication (OBEX™ communication)

- To perform data communication, downloading data transfer software complied with OBEX™ standard from the Internet, and installing this software to your PC is required. Refer to the software manual for information on operating environment and installation methods. In addition, installation of the FOMA communication configuration file (P. 5 to P. 6) is required in advance.
 - A FOMA USB Cable with Charge Function 02 is required to connect the FOMA terminal to a PC.
- The FOMA terminal data communication (OBEX™ communication) function complies with IrMC™ 1.1 standard. However, depending on the application, some data may not be sent or received even when the other party's terminal complies with IrMC™ 1.1 standard.

Sending single data item (Write 1)

- Send data from a PC to a FOMA terminal one item at a time.
- Sending one item at a time from a FOMA terminal to a PC is not possible.
- Data transfer operating methods differ depending on the software used. Refer to the software manual for details.

1 Send data from a PC using data transfer software (Write 1).

- Refer to the software manual for details on sending data.

- When phonebook data is sent (from a PC to the FOMA terminal) one entry at a time, entries are saved to the smallest available memory number from [0010] to [1999]. If all memory numbers from [0010] to [1999] are already used, entries are saved to the smallest available memory number between [0000] and [0009].
- When phonebook data is received and 2,000 entries (names, phone numbers or mail addresses) are already registered, or more than 2,000 entries have been registered, a message appears notifying that no further entries can be saved.

Sending all data (Write all/Read all)

- Write and read all data at once, between a PC and the FOMA terminal.
- "Write all" and "Read all" operations require data transfer software and your FOMA terminal authentication password.
- Data transfer operating methods differ depending on the software used. Refer to the software manual for details.

1 Send data from a PC using data transfer software (Forward all).

- Refer to the software manual for details on sending data.
- Entering your authentication password on the PC will be required.
- Enter your authentication password (four digits).

2 Enter the terminal security code (four to eight digits) and the authentication password (four digits).

3 Start data transmission.

- Performing Write all from a PC to your FOMA terminal replaces all data stored in the FOMA terminal. All data previously stored in your FOMA terminal will be deleted. This includes phonebook, schedule, and protected mail data saved as secret data. However, for an image, i-motion, Melody, PDF or Decome-Anime Template in the Data box, original data is not deleted but saved additionally.
- If an error occurs during data transmission from a PC to the FOMA terminal, all data stored in the FOMA terminal may be deleted. Check the cable connection, the FOMA terminal battery level, and the PC power supply before performing Write all.
- Depending on the connected device, the transmission status (bar display) may not appear.

List of AT command

AT commands

AT commands are commands used to set the FOMA terminal functions from a PC. When AT commands are entered from a PC, the FOMA terminal performs the corresponding operations.

■ AT command input format

AT commands must always start with “AT”. Enter in single-byte alphanumeric characters.

Input example

ATD*99*1#

Return symbol: Entered by pressing the Enter key. Used to separate commands.

Parameter: The command argument

Command: The command name

Each AT command including parameter (number or symbol) following the command must be entered on a single line. A single line means the characters from the first character until the character directly before the  is pressed. Up to 160 characters (including “AT”) can be entered.

■ AT command input modes

To operate the FOMA terminal using AT commands, set the PC to terminal mode. In terminal mode, the characters entered from the keyboard are sent directly to the communication port to operate the FOMA terminal.

● Offline mode

The FOMA terminal is in stand-by. Normally, this mode is used to operate the FOMA terminal using AT commands.

● Online data mode

The FOMA terminal is connected and performing data communication. When an AT command is entered in this mode, the characters are sent directly to the receiver, and may cause the receiver's modem to malfunction. Do not enter AT commands in this mode.

● Online command mode

Even when the FOMA terminal is connected and performing communication, with special operations, operation by AT commands is possible. When in this mode, AT commands are executed while remaining connected to the receiver, and communications can be resumed after the operation is completed.

- When a call/transmission is made from an external device with 64K data communication, Number A is used when 2in1 mode is set to [A mode]/[Dual mode]. Number B is used when 2in1 mode is set to [B mode]. However, if Redial is performed with the AT command when [Dual mode] is set, Redial is performed with the last dialed number.
- Terminal mode enables a single PC to operate like a communication terminal. Characters entered from the keyboard are sent to the device or line connected to the communication port.

■ Switching between online data mode and online command mode

Use either of the following methods to switch the FOMA terminal from online data mode to online command mode.

- Enter “+++” command, or enter the set code in the “S2” register.
- Turn the RS-232C* ER signal OFF when set to “AT&D1”.

To switch from online command mode to online data mode, enter “ATO”.

* USB interface emulates an RS-232C signal line, enabling RS-232C signal line control by the communication application.

List of AT command

[M]: AT commands that can be used with the FOMA SH07F Modem Port.

AT command	Overview	Parameter/Explanation	Execution example
AT [M]	—	The modem function of the FOMA terminal can be controlled by adding commands in the list to the end of this command. ※ Returns OK if only AT is entered.	AT↵ OK
AT%V [M]	Displays FOMA terminal version.*2	—	AT%V↵ Ver1.00 OK
AT&C<n> [M]	Sets operating condition for circuit CD (DCD) signals sent to DTE.*1	n=0 : Circuit CD always ON n=1 : Circuit CD signal changes according to line connection status (default setting) When “&C1” is set, the CD signal is turned “ON” directly before the CONNECT signal is sent when connection is completed. The CD signal is turned “OFF” right before “NO CARRIER” is sent when the circuit is disconnected.	AT&C1↵ OK
AT&D<n> [M]	Sets the operation when the circuit ER (DTR) signal received from DTE changes from “ON” to “OFF” during online data mode.*1	n=0 : Ignores status (always considers signal ON) n=1 : Sets online command mode when signal changes from ON to OFF n=2 : Disconnects line and activates offline mode when signal changes from ON to OFF (default setting)	AT&D1↵ OK
AT&E<n> [M]	Selects speed display specifications when connecting.*1	n=0 : Wireless area communication speed appears n=1 : DTE serial communication speed appears (default setting)	AT&E0↵ OK
AT&F<n> [M]	Resets the FOMA terminal's AT command settings to their default settings. If this command is entered during communication, the settings are reset after disconnected.*2	Can only be set as n=0 (can be omitted)	AT&F↵ OK
AT&S<n> [M]	Controls when the signal of data set ready (DR) is set to DTE.*1	n=0 : Always ON (default setting) n=1 : DR signal ON when line is connected	AT&S0↵ OK
AT&W<n> [M]	Stores the current settings in the FOMA terminal's memory.*2, 5	Can only be set as n=0 (can be omitted)	AT&W↵ OK
AT*DANTE [M]	Displays the reception status of the FOMA terminal.*2	The result from this command is in the following format. *DANTE:<m> <m> 0 : Status where outside the service area appears on the FOMA terminal 1 : Status where zero or one antenna appears on the FOMA terminal 2 : Status where two antennas appears on the FOMA terminal 3 : Status where three antennas appears on the FOMA terminal	AT*DANTE↵ *DANTE:3 OK
AT*DGANSM=<n> [M]	Sets Accept/Reject call modes for incoming packet communications. This setting is only valid for incoming packet communications after entering setup commands.*2	n=0 : Sets Reject call and Accept call settings to [OFF] (default setting) n=1 : Sets Reject call settings to [ON] n=2 : Sets Accept call settings to [ON]	AT*DGANSM=0↵ OK AT*DGANSM?↵ *DGANSM:0 OK

AT command	Overview	Parameter/Explanation	Execution example
AT*DGAPL=<n> [,<cid>] [M]	Sets host (APN) to accept transmissions for incoming packet communications. APN settings use <cid> parameter defined by "+CGDCONT".*2	Adds or deletes from Accept calls list with <n> parameter. If <cid> parameter is abbreviated, adds (<n>=0) or deletes (<n>=1) all of <cid> to or from list. Adds (deletes) <cid> not defined with "+CGDCONT" to (from) list with this command. n=0 : Adds to list (Adds APN defined by <cid> to Accept calls list) n=1 : Deletes from list (Deletes APN defined by <cid> from Accept calls list)	AT*DGAPL=0,1 OK AT*DGAPL? *DGAPL:1 OK
AT*DGARL=<n> [,<cid>] [M]	Sets host (APN) to reject transmissions for incoming packet communications. APN settings use <cid> parameter defined by "+CGDCONT".*2	Adds or deletes from Reject calls list with <n> parameter. If <cid> parameter is abbreviated, adds (<n>=0) or deletes (<n>=1) all of <cid> or from list. Adds (deletes) <cid> not defined with "+CGDCONT" to (from) list with this command. n=0 : Adds to list (Adds APN defined by <cid> to Reject calls list) n=1 : Deletes from list (Deletes APN defined by <cid> from Reject calls list)	AT*DGARL=0,1 OK AT*DGARL? *DGARL:1 OK
AT*DRPW [M]	Displays the reception power sent from FOMA terminal.*2	The result from this command is in the following format. *DRPW:<m> m: 0 to 75 (reception power)	AT*DRPW *DRPW:0 OK
AT*DGPIR=<n> [M]	Setting this command is valid when establishing communication. Enables adding 186 (send caller ID) and 184 (not send caller ID) to host number. Also available in dial-up network settings.*2	n=0 : When establishing packet communication, connects to host (APN) directly (default setting) n=1 : When establishing packet communication, adds 184 and connects to host (APN) n=2 : When establishing packet communication, adds 186 and connects to host (APN) When 186 (send caller ID)/184 (not send caller ID) are set by this command and in the dial-up network settings, refer to "Send/Not send setting on dial-up networks" on P. 15.	AT*DGPIR=0 OK AT*DGPIR? *DGPIR:0 OK
+++ [M]	Switches the FOMA terminal mode from online data mode to online command mode. Escape guard interval is fixed at 1 second.*2	—	(During communication) +++ (Does not appear) OK
AT+CACM=[<passwd>] [M]	Resets the total accumulated cost recorded on the UIM.*2	Resets the total accumulated cost recorded on the UIM, if the password matches. <passwd>: SIM PIN2 ※ Encloses this string parameter with quotation marks (" ") when entering.	AT+CACM="0123" OK
AT+CAOC=[<mode>] [M]	Inquires the current accumulated cost.*2	<mode> 0 : Inquires the cost of current call The result from this command is in the following format. +CAOC:"<ccm>"	AT+CAOC +CAOC:"00001E" OK

AT command	Overview	Parameter/Explanation	Execution example
AT+CBC [M]	Inquires the battery status.*2	The result from this command is in the following format. +CBC:<bc>,<bcl> <bc> 0 : The battery operates the FOMA terminal 1 : Charging the battery 2 : The battery is unconnected 3 : Reducing the power <bcl> 0 to 100 (remaining battery power)	AT+CBC +CBC:0,80 OK
AT+CBST=[<speed>[,<name>[,<ce>]]] [M]	Sets the bearer service when establishing transmission. This setting is only valid when AT+FCLASS=<n> command (P. 28) = 0.*1	<speed> 116 : 64K data communication (default setting) <name> 1 : Fixed value <ce> 0 : Fixed value	AT+CBST=116,1,0 OK
AT+CEER [M]	Displays disconnection reason for preceding communication session.*2	Refer to "Reasons for disconnection" (P. 32).	AT+CEER +CEER:36 OK
AT+CGDCONT [M]	Sets host (APN) accessed when establishing packet communication.*2	Refer to "More on AT commands" (P. 32).	Refer to "More on AT commands" (P. 32).
AT+CGEQMIN [M]	Registers criterion determining whether to permit QoS (Quality of Service) sent from network when establishing packet communication.*2	Refer to "More on AT commands" (P. 33).	Refer to "More on AT commands" (P. 33).
AT+CGEQREQ [M]	Sets QoS (Quality of Service) requested of network during packet communication.*2	Refer to "More on AT commands" (P. 34).	Refer to "More on AT commands" (P. 34).
AT+CGMR [M]	Displays FOMA terminal version.*2	—	AT+CGMR 1234567890123456 OK
AT+CGREG=<n> [M]	Sets whether to send network registration status. Service area information (inside/outside) is sent.*1	<n> 0 : Does not set (default setting) 1 : Sets When AT+CGREG=1 is set, information is sent in the format "+CGREG:<stat>". 0, 1, 4 or 5 can be set for the <stat> parameter. <stat> 0 : Outside area 1 : Inside area (home) 4 : Unknown 5 : Inside area (visitor)	AT+CGREG=1 OK (Set to send) AT+CGREG? +CGREG:1,0 OK (Indicates outside area) +CGREG:1 (Moved from outside area to inside area)
AT+CGSN [M]	Displays the FOMA terminal's serial number.*2	—	AT+CGSN 123456789012345 OK

AT command	Overview	Parameter/Explanation	Execution example
AT+CLIP=<n> [M]	Shows PC calling number when receiving 64K data communication.*1	<n> 0 : Does not output results (default setting) 1 : Outputs results Displays +CLIP:<n>,<m> for "AT+CLIP?". <m> 0 : NW setting to not send own number during transmissions 1 : NW setting to send own number during transmissions 2 : Unknown	AT+CLIP=0 OK AT+CLIP? +CLIP:0,1 OK
AT+CLIR=<n> [M]	Sets whether to send terminal's phone number when establishing 64K data communication.*2	<n> 0 : Follows the service agreement 1 : Does not send 2 : Sends (default setting) Displays +CLIR:<n>,<m> for AT+CLIR?. <m> 0 : CLIR is not running (always send) 1 : CLIR is always running (never send) 2 : Unknown 3 : CLIR temporary mode (default setting is Do not send) 4 : CLIR temporary mode (default setting is Send)	AT+CLIR=0 OK AT+CLIR? +CLIR:2,3 OK
AT+CDIP=<n> [M]	Sets whether to send an incoming sub-address. Also, check the status of Multi Number subscription.	<n> 0 : Does not display sub-addresses (default setting) 1 : Displays sub-addresses <m> 0 : Multi Number is not subscribed 1 : Subscribing Multi Number 2 : Unknown	AT+CDIP=0 OK AT+CDIP? +CDIP:0,1 OK
AT+CMEE=<n> [M]	Sets the manner to display FOMA terminal error reports.*1	Sets whether to display errors only as "ERROR", or to display reason with text or numerical value. <n> 0 : Displays "ERROR" and no result codes (default setting) 1 : Displays result codes with numerical values 2 : Displays result codes with text When reports are set to display by setting "n=1" or "n=2", they are displayed in the following format: +CME ERROR:xxxx xxxx is a numerical value or text. Refer to "Error reports" (P. 32).	AT+CMEE=0 OK AT+CNUM ERROR AT+CMEE=1 OK AT+CNUM +CME ERROR:10
AT+CNUM [M]	Displays FOMA terminal phone number.*2	number: Phone number type : 129 or 145 129 : Does not include + international access code 145 : Includes + international access code	AT+CNUM +CNUM:,"+819012345678",145 OK

AT command	Overview	Parameter/Explanation	Execution example
AT+COPS=[<mode>[,<format>[,<oper>]]] [M]	Selects a telecommunications carrier to be connected.*2	<mode> 0 : Auto (Automatically searches network and switch telecommunications carriers) 1 : Manual (Connects to the telecommunications carrier specified in <oper>) 2 : Cancels (disconnects) the connection to the telecommunications carrier ※ Unsupported. 3 : Does not make mapping 4 : Manual auto (Performs "Auto" processing if not connected to the telecommunications carrier specified in <oper>) ※ Unsupported. <format> 2 : Fixed value <oper> is indicated by a hexadecimal number consisting of a country code (MCC) and a network code (MNC). The formats are shown below. Digit 1 of MCC...octet 1 bits 1 to 4. Digit 2 of MCC...octet 1 bits 5 to 8. Digit 3 of MCC...octet 2 bits 1 to 4. Digit 3 of MNC...octet 2 bits 5 to 8. Digit 2 of MNC...octet 3 bits 5 to 8. Digit 1 of MNC...octet 3 bits 1 to 4.	AT+COPS=1,2,"44F001" ↵ OK (Connects to MCC:440MNC:10)
AT+CPAS [M]	Inquires the activity status of the FOMA terminal.*2	The result from this command is in the following format. +CPAS:<pas> <pas> 0 : AT commands can be sent/received 1 : AT commands cannot be sent/received (does not send the +CPAS:1 result) 2 : Unknown 3 : AT commands can be sent/received and the FOMA terminal is receiving a call 4 : AT commands can be sent/received and performing data communication	AT+CPAS↵ +CPAS:0 OK
AT+CPIN=<pin>[,<newpin>] [M]	Enters the UIM password (PIN1, PIN2).*2	<pin> Enters PIN1 while waiting for PIN1 input (Enter <pin> parameter only) Enters PIN2 while waiting for PIN2 input (Enter <pin> parameter only) Enters PUK1 while waiting for PUK1 input Enters PUK2 while waiting for PUK2 input ※ Encloses this string parameter with quotation marks (" ") when entering. <newpin> Enters a new PIN1 while waiting for PUK1 input Enters a new PIN2 while waiting for PUK2 input ※ Encloses this string parameter with quotation marks (" ") when entering.	AT+CPIN?↵ +CPIN:SIM PIN1 OK (Indicates waiting status for PIN1 input) AT+CPIN="1234" ↵ OK AT+CPIN?↵ +CPIN:SIM PUK1 OK (Indicates waiting status for PUK1 input) AT+CPIN="12345678","1234"↵ OK

AT command	Overview	Parameter/Explanation	Execution example
AT+CR=<mode> [M]	Sets whether to display packet communication/64K data communication before "CONNECT" result code is displayed during line connection.*1 "GPRS" is displayed for packet communication, and "SYNC" is displayed for 64K data communication.	<mode> 0 : Does not display when line is connected (default setting) 1 : Displays when line is connected	AT+CR=1 OK ATD*99***1# +CR:GPRS CONNECT
AT+CRC=<n> [M]	Sets to use extended results code at reception.*1	n=0 : Does not use extended results code (default setting) n=1 : Uses extended result codes	AT+CRC=0 OK
AT+CREG=<n> [M]	Sets service area information on or off.*1	When AT+CREG=1 is set, information is set in the format "+CREG:<stat>". 0, 1, 4 or 5 can be set for the <stat> parameter. <n> 0 : Does not send (default setting) 1 : Sends <stat> 0 : Outside area 1 : Inside area (home) 4 : Unknown 5 : Inside area (visitor)	AT+CREG=1 OK (Set to send) AT+CREG? +CREG:1,0 OK (Indicates outside area) +CREG:1 (Moved from outside area to inside area)
AT+CUUSD=[<n>,<str>,<dcs>]]] [M]	Changes setting toward net for optional services, etc.*1	<n> 0 : Answers without intermediate result (default setting) 1 : Answers with intermediate result <str> Service code <dcs> 0 : Fixed value	AT+CUUSD=0,"xxx xxx" OK
AT+FCLASS=<n> [M]	Sets the mode.*1	<n> 0 : Data (fixed value)	AT+FCLASS=0 OK
AT+GCAP [M]	Displays the ability list of the FOMA terminal.*2	—	AT+GCAP +GCAP:+CGSM, +FCLASS,+W OK
AT+GMI [M]	Displays FOMA terminal maker name in single-byte alphanumeric characters.*2	—	AT+GMI SHARP OK
AT+GMM [M]	Displays abbreviated FOMA terminal product name (FOMA SH07F) in alphanumeric characters.*2	—	AT+GMM FOMA SH07F OK
AT+GMR [M]	Displays FOMA terminal version.*2	—	AT+GMR Ver1.00 OK

AT command	Overview	Parameter/Explanation	Execution example
AT+IFC=<n,m> [M]	Sets local flow control format between the PC and FOMA terminal.*1	DCE by DTE (<n>) 0 : No flow control 1 : XON/XOFF flow control 2 : RS/CS (RTS/CTS) flow control (default setting) DTE by DCE (<m>) 0 : No flow control 1 : XON/XOFF flow control 2 : RS/CS (RTS/CTS) flow control (default setting)	AT+IFC=2,2 OK
AT+WS46? [M]	Answers according to the 3G/ GSM setting of the Overseas network search.*2	The result from this command is in the following format. <n> 12 : GSM/GPRS mode 22 : 3G mode 25 : AUTO mode	AT+WS46? 25 OK (AUTO mode)
A/ [M]	Performs the preceding executed command.*2	—	A/ OK
ATA [M]	Performs incoming process for packet or 64K data if entered when receiving the data.*2	Enter “ATA184” (arrival call action for anonymous call) or “ATA186” (arrival call action for identified call) while receiving packets.	RING ATA CONNECT
ATD [M]	Establishes communication.*2, 3	- Packet communication ATD*99***<cid># When ATD*99# is entered: Uses <cid>=1 (default setting) (When <cid> is not entered, setting becomes <cid>=1). When syntax starting with ATD184*99***<cid># is entered: “184” is added to host (APN) defined by specified <cid> (Alternatively, “186” can be added by same operation to turn caller ID sending to ON). 64K data communication ATD [parameter] [phone number] Number cannot be dialed if characters other than 0 to 9, *, #, +, A, a, B, b, C, c, D, d, hyphens (-), spaces, T, t, P, p, !, W, w, @ or commas (,) are included. Characters highlighted with can be entered but are ignored during dialing.	ATD*99***1# CONNECT
ATE<n> [M]	Sets whether the FOMA terminal returns echo of AT commands sent from the PC.*1	n=0 : Does not return echo n=1 : Returns echo (default setting) Normally, set to n=1. If the PC has an echo function, set to n=0.	ATE1 OK
ATH [M]	Disconnects line when entered during packet communication or 64K data communication.*2	—	(During communication) +++ (Does not appear) OK ATH NO CARRIER
ATI<n> [M]	Displays the verification code.*2	n=0 : NTT DoCoMo n=1 : Displays abbreviated product name (FOMA SH07F) n=2 : Displays the product version in a format such as “VerX.XX” n=3 : Displays each element of ACMP signals n=4 : Displays details of the communication functions provided in the FOMA terminal	ATI0 NTT DoCoMo OK

AT command	Overview	Parameter/Explanation	Execution example
ATO [M]	Returns to online data mode from online command mode during communication.*2	—	ATO␣ CONNECT
ATQ<n> [M]	Sets whether to display result codes.*1	n=0 : Displays result codes (default setting) n=1 : Does not display result codes	ATQ0␣ OK
ATV<n> [M]	Sets manner of displaying result codes.*1	Displays all result codes with numbers or text. n=0 : Displays result codes with numbers n=1 : Displays result codes with text (default setting)	ATV1␣ OK
ATX<n> [M]	Sets whether to include speed in the CONNECT display when connecting. Also detects busy tone or dial tone.*1	Busy tone detection: Sends BUSY response when number dialed is busy. Dial tone detection: Determines whether FOMA terminal is connected. Speed display: Sets whether to include speed in the CONNECT display when connecting. n=0 : No busy tone detection, no dial tone detection, no speed display n=1 : No busy tone detection, no dial tone detection, speed display n=2 : No busy tone detection, dial tone detection, speed display n=3 : Busy tone detection, no dial tone detection, speed display n=4 : Busy tone detection, dial tone detection, speed display (default setting)	ATX1␣ OK
ATZ<n> [M]	Resets the FOMA terminal's AT command settings.*2, 4	Resets the FOMA terminal's AT command settings to the values set in non-volatile memory. If this command is entered during communication, the settings are reset after disconnected. Can only be set as n=0 (can be omitted)	(When online) ATZ␣ NO CARRIER (When offline) ATZ␣ OK
ATS0=<n> [M]	Sets number of rings before FOMA terminal automatically receives.*1	n=0 : No automatic receiving (default setting) n=1 to 255 : Automatically receives after sets number of rings	ATS0=0␣ OK
ATS2=<n> [M]	Sets the escape character.	n=0 to 127 (default setting: n=43) When n=127 is set, escape is disabled.	ATS2=43␣ OK ATS2?␣ 043 OK
ATS3=<n> [M]	Sets the carriage return (CR) character.	Defines the character used to recognize the end of an AT command character string. Appended to the end of the echoed command character string and result code. The settings cannot be changed (default setting: n=13).	ATS3=13␣ OK ATS3?␣ 013 OK
ATS4=<n> [M]	Sets the line feed (LF) character.	Appended after the CR character, when result codes are displayed as text. The settings cannot be changed (default setting: n=10).	ATS4=10␣ OK ATS4?␣ 010 OK

AT command	Overview	Parameter/Explanation	Execution example
ATS5=<n> [M]	Sets the backspace (BS) character.	When detected while entering an AT command, the last character in the input buffer is deleted. The settings cannot be changed (default setting: n=8).	ATS5=8 OK ATS5? 008 OK
ATS6=<n> [M]	Sets pause time (seconds) until dialing.	Sets a register, but has no other effect. n : 2 to 10 (default setting: n=5)	ATS6=10 OK
ATS8=<n> [M]	Sets pause time (seconds) until comma dialing.	Sets a register but does not affect the pause time (3 seconds). n=0 : Does not pause n : 1 to 255 (default setting: n=3)	ATS8=3 OK
ATS10=<n> [M]	Sets the delay time (seconds) for automatic disconnection (1/10 seconds). ^{*1}	Sets a register, but has no other effect. n : 1 to 255 (default setting: n=1)	ATS10=1 OK
ATS30=<n> [M]	Disconnects when no data is sent/received for at least this amount of time.	Only valid during 64K data communication. <n> is set in minutes. n : 0 to 255 (default setting: n=0) n=0 sets inactive timer off.	ATS30=3 OK
ATS103=<n> [M]	Sets delimiter used when adding an incoming sub-address to number dialed.	Only valid during 64K data communication. n=0 : *Asterisk n=1 : /Slash (default setting) n=2 : ¥Yen mark or backslash	ATS103=0 OK
ATS104=<n> [M]	Sets delimiter used when adding an outgoing sub-address to number dialed.	Only valid during 64K data communication. n=0 : #Pound sign n=1 : %Percent symbol (default setting) n=2 : &Ampersand	ATS104=0 OK
AT¥S [M]	Displays current command and S register settings. ^{*2}	—	AT¥S E1 Q0 V1 X4 &C1 &D2 &S0 &E1 ¥V0 S000=000 S002=043 S003=013 S004=010 S005=008 S006=005 S007=060 S008=003 S010=001 S030=000 S103=001 S104=001 OK
AT¥V<n> [M]	Selects response code type used during connection. ^{*1}	Only valid when the ATX<n> command (P. 30) setting is not n=0. n=0 : Does not use extended result codes (default setting) n=1 : Uses extended result codes	AT¥V1 OK

^{*1} Stored in FOMA terminal's memory using AT&W commands.

^{*2} Not stored in FOMA terminal's memory using AT&W commands. Not reset with AT&F or ATZ commands.

^{*3} Perform Redial with ATDN or ATDL.

^{*4} If the ATZ command is executed before the AT&W command is used, terminal settings return to last written memory, and prior changes are erased.

^{*5} Settings written into the FOMA terminal's memory using the AT&W command is stored as non-volatile data when power is turned off.

Reasons for disconnection

Packet communication

Value	Reason
27	Host (APN) does not exist, or was incorrect.
30	Disconnected by network.
33	No packet communication subscription.
36	Disconnected properly.

64K data communication

Value	Reason
1	Specified number does not exist.
16	Disconnected properly.
17	Line busy.
18	Number was dialed, but no response received within specified time.
19	Dialed number is making a call.
21	Dialed number refused incoming call.
63	Network service or option is not valid.
65	Transmission capacity not provided was specified.
88	Dialed number of terminal with different terminal attribute, or call was received.

Error reports

Numerical display	Text display	Reason
10	SIM not inserted	docomo mini UIM card not inserted.
15	SIM wrong	A non-DOCOMO SIM (IC card equivalent to docomo mini UIM card) is inserted.
16	incorrect password	Password is incorrect.
100	unknown	Unknown error occurred.

More on AT commands

Command name: +CGDCONT= [parameter]

Overview

Sets host (APN) accessed when establishing packet communication.

Not stored in FOMA terminal's memory with AT&W commands. Not reset with AT&F or ATZ commands.

Syntax

+CGDCONT=[<cid>[,<PDP_type>[,<APN>]]] 

Parameter description

<cid> : 1 to 10
<PDP_type> : PPP or IP
<APN> : Optional

- <cid> is a number for managing hosts (APNs) used for packet communication, registered in the FOMA terminal. It can be set between 1 and 10 in the FOMA terminal. The default settings are "mopera.net" for <cid>=1 (<PDP_type> is "PPP"), "mopera.net" for <cid>=3 (<PDP_type> is "IP") and "mpr.ex-pkt.net" for <cid>=4 (<PDP_type> is "PPP"). Set cid in 2, 5 to 10. <APN> is a user-specified character string for each connection, indicating the host.

Execution example

Command when registering host (APN) name "abc" (for <cid>=5)

AT+CGDCONT=5,"PPP","abc" 

OK

Operation when parameter is abbreviated

AT+CGDCONT=

Clears all <cid> settings. Resets <cid>=1, 3 or 4 setting to default value.

AT+CGDCONT=<cid>

Clears specified <cid> setting. Resets <cid>=1, 3 or 4 setting to default value.

AT+CGDCONT=?

Displays list of values that can be set.

AT+CGDCONT?

Displays current settings.

■ Command name: +CGEQMIN=[parameter]

Overview

Registers criterion determining whether to permit QoS (Quality of Service) sent from the network when establishing PPP packet communication.

Not stored in FOMA terminal's memory with AT&W commands. Not reset with AT&F or ATZ commands.

Syntax

AT+CGEQMIN=[<cid> [, <Maximum bitrate UL> [, <Maximum bitrate DL>[,,,,<Maximum SDU size>]]]]

Parameter description

<cid> : 1 to 10

<Maximum bitrate UL> : None (initial setting) or 5760

<Maximum bitrate DL> : None (initial setting) or 7232

<Maximum SDU size>

When <PDP_type> is PPP : 10 (initial setting) to 1500 or 1502

When <PDP_type> is IP : 10 (initial setting) to 1500

- <cid> is a number for managing hosts (APNs) used for packet communication, registered in the FOMA terminal. [Maximum bitrate UL] and [Maximum bitrate DL] set the maximum uplink and downlink transmission speed (kbps) between the FOMA terminal and base station. When set to [None] (default setting), all speeds are permitted. However, when set to "5760" and "7232", connections established under these speeds are not permitted, so packet communication connection may not be established. Set the maximum permitting SDU size for [Maximum SDU size]. Note that when "10 (initial setting) to 1500 or 1502" is set, connections established under these values are not permitted, and packet communication may not be connected. Note that connections established under "70" are not available.

Execution examples

Setting (1) is the initial setting for all cid.

- (1) Command permitting all uplink/downlink speeds (for <cid>=5)

AT+CGEQMIN=5

OK

- (2) Command permitting uplink speeds of 5,760 kbps, downlink speeds of 7,232 kbps, and maximum permitting SDU size 1500 (for <cid>=6)

AT+CGEQMIN=6,,5760,7232,,,,1500

OK

- (3) Command permitting uplink speeds of 5,760 kbps and all downlink speeds (for <cid>=7)

AT+CGEQMIN=7,,5760

OK

- (4) Command permitting all uplink speeds and downlink speeds of 7,232 kbps (for <cid>=8)

AT+CGEQMIN=8,,,7232

OK

Operation when parameter is abbreviated

AT+CGEQMIN=

Clears all <cid> settings.

AT+CGEQMIN=<cid>

Returns specified <cid> setting to default setting.

AT+CGEQMIN=?

Displays list of values that can be set.

AT+CGEQMIN?

Displays current settings.

■ Command name: +CGEQREQ=[parameter]

Overview

Sets QoS (Quality of Service) required of the network when establishing PPP packet communication.
Not stored in FOMA terminal's memory with AT&W commands. Not reset with AT&F or ATZ commands.

Syntax

AT+CGEQREQ=[<cid> [,<Traffic class> [,<Maximum bitrate UL> [,<Maximum bitrate DL> [,,,<Maximum SDU size>]]]]]↵

Parameter description

This setting is assigned to each cid by default value.

<cid> : 1 to 10

<Traffic class> : 2 or 3

2: interactive (initial setting)

3: background

<Maximum bitrate UL> : None (initial setting) or 64 to 5760

<Maximum bitrate DL> : None (initial setting) or 64 to 7232

However, even if the values of [Maximum bitrate UL] and [Maximum bitrate DL] are permitted level, they may be set to the values whose fractions were discarded.

<Maximum SDU size>

When <PDP_type> is PPP : 10 to 1500 or 1502 (initial setting)

When <PDP_type> is IP : 10 to 1500 (initial setting)

- <cid> is a number for managing hosts (APNs) used for packet communication, registered in the FOMA terminal.

Execution examples

Setting (1) is set to each cid as initial setting.

- (1) Command when requesting connection without setting uplink/downlink speeds (for <cid>=5, Traffic class=2)

AT+CGEQREQ=5

OK

- (2) Command when requesting connection at uplink speeds of 5,760 kbps, downlink speeds of 7,232 kbps, and maximum permitting SDU size 1500 (for <cid>=6, Traffic class=2)

AT+CGEQREQ=6,2,5760,7232,,,1500

OK

- (3) Command when requesting connection without setting uplink speeds of 5,760 kbps or downlink speeds (for <cid>=7, Traffic class=2)

AT+CGEQREQ=7,2,5760

OK

- (4) Command when requesting connection at downlink speeds of 7,232 kbps without setting uplink speeds (for <cid>=8, Traffic class=2)

AT+CGEQREQ=8,2,,7232

OK

Operation when parameter is abbreviated

AT+CGEQREQ=

Returns all <cid> settings to default settings.

AT+CGEQREQ=<cid>

Returns specified <cid> setting to default setting.

AT+CGEQREQ=?

Displays list of values that can be set.

AT+CGEQREQ?

Displays current settings.

Result codes

■ Result codes

Numerical display	Text display	Meaning
0	OK	Successfully executed.
1	CONNECT	Connected to number dialed.
2	RING	Call detected.
3	NO CARRIER	Line disconnected.
4	ERROR	Command not accepted.
6	NO DIALTONE	No dial tone detected.
7	BUSY	Detecting busy tone.

Numerical display	Text display	Meaning
8	NO ANSWER	Connection completed. The server connection timed out.
100	RESTRICTION	Network restricted.
101	DELAYED	Redial restricted.

Extended result codes

Numerical display	Text display	Meaning
5	CONNECT 1200	FOMA terminal and PC connected at 1,200 bps.
10	CONNECT 2400	FOMA terminal and PC connected at 2,400 bps.
11	CONNECT 4800	FOMA terminal and PC connected at 4,800 bps.
13	CONNECT 7200	FOMA terminal and PC connected at 7,200 bps.
12	CONNECT 9600	FOMA terminal and PC connected at 9,600 bps.
15	CONNECT 14400	FOMA terminal and PC connected at 14,400 bps.
16	CONNECT 19200	FOMA terminal and PC connected at 19,200 bps.
17	CONNECT 38400	FOMA terminal and PC connected at 38,400 bps.
18	CONNECT 57600	FOMA terminal and PC connected at 57,600 bps.
19	CONNECT 115200	FOMA terminal and PC connected at 115,200 bps.
20	CONNECT 230400	FOMA terminal and PC connected at 230,400 bps.
21	CONNECT 460800	FOMA terminal and PC connected at 460,800 bps.

- When n=1 is set for the ATV<n> command (P. 30), result codes are displayed as text (default setting). When set to n=0, they are displayed as numerical values.
- Communication speed is displayed to maintain compatibility with conventional modems connected by RS-232C. However, since the FOMA terminal is connected to the PC using FOMA USB Cable with Charge Function 02 (sold separately), the displayed speed will differ from the actual speed of connection.
- When [RESTRICTION] (Number: 100) appears, the communication network is congested. Try connecting again later.

Communication protocol result codes

Numerical display	Text display	Meaning
1	PPPOverUD	Connected with 64K data communication
5	PACKET	Connected with packet communication

Result code display examples

When ATX0 is set

The CONNECT display appears only when connection is completed, regardless of the AT+V<n> command (P. 31) setting.

Text display example: ATD*99***1#
CONNECT

Numerical display example: ATD*99***1#
1

When ATX1 is set

● When ATX1 and AT+V0 are set (initial value)

When connection is completed, CONNECT <speed between FOMA terminal and PC> appears in the syntax.

Text display example: ATD*99***1#
CONNECT 460800

Numerical display example: ATD*99***1#
1 21

● When ATX1 and AT+V1 are set*

When connection is completed, the information below appears in the syntax.

CONNECT <speed between FOMA terminal and PC> PACKET <host (APN)>/<maximum uplink speed (FOMA terminal to mobile network base station)>/<maximum downlink speed (mobile network base station to FOMA terminal)>

Text display example: ATD*99***1#
CONNECT 460800 PACKET mopera.net/5760/7232
(Indicates terminal connected to mopera.net, at maximum uplink speed of 5,760 kbps and maximum downlink speed of 7,232 kbps)

Numerical display example: ATD*99***1#
1 21 5

* Dial-up connection may not be processed correctly when ATX1 and AT+V1 are simultaneously set. Using only AT+V0 is recommended.

区点コード一覧 (Kuten Code List)

4桁の区点コードを利用して漢字やひらがな、カタカナ、記号、英数字などを入力できます。

- 区点コードでの入力のしかたについては、携帯電話の取扱説明書を参照してください。
- 区点コード一覧の表示は、実際の表示と見えかたが異なるものがあります。

Use four-digit kuten codes to enter kanji, hiragana, katakana, symbol, alphanumeric characters, etc.

- Refer to the mobile phone instruction manual for details on inputting kuten codes.
- Some entries in the kuten code list may differ from on the screen.

1~3桁目 (1 to 3)	4桁目 (4th digit)									1~3桁目 (1 to 3)	4桁目 (4th digit)									1~3桁目 (1 to 3)	4桁目 (4th digit)																																														
	0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5	6	7	8	9																								
442	夢	無	牟	矛	霧	鷓	棕	婿	娘		494	冓	凡	刎	刎	刎	刎	刎	刎	刎		565	惴	惴	惴	惴	惴	惴	惴	惴	惴		442											495	冓	決	決	決	決	決	決	決	決	決	566	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
	め										496	冓	決	決	決	決	決	決	決	決	決	決		567	惴	惴	惴	惴	惴	惴	惴	惴	惴		443	名	命	明	盟	迷	銘	鳴	姪	牝	冥	497	冓	決	決	決	決	決	決	決	決	決	568	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴
443											498	冓	決	決	決	決	決	決	決	決		569	惴	惴	惴	惴	惴	惴	惴	惴	惴		444	免	棉	綿	緬	緬	緬	緬	緬	緬	滅	499	冓	決	決	決	決	決	決	決	決	決	570	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
444											500	冓	決	決	決	決	決	決	決	決		571	惴	惴	惴	惴	惴	惴	惴	惴	惴		444											501	冓	決	決	決	決	決	決	決	決	572	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴			
	も										502	冓	決	決	決	決	決	決	決	決	決		573	惴	惴	惴	惴	惴	惴	惴	惴	惴		445	孟	毛	猛	盲	網	耗	摸	模	茂	妄	503	冓	決	決	決	決	決	決	決	決	決	574	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
444											504	冓	決	決	決	決	決	決	決	決		575	惴	惴	惴	惴	惴	惴	惴	惴	惴		446	目	全	勿								505	冓	決	決	決	決	決	決	決	決	決	576	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
445											506	冓	決	決	決	決	決	決	決	決		577	惴	惴	惴	惴	惴	惴	惴	惴	惴		447	紋	門	勿								507	冓	決	決	決	決	決	決	決	決	決	578	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
446											508	冓	決	決	決	決	決	決	決	決		579	惴	惴	惴	惴	惴	惴	惴	惴	惴		447											508	冓	決	決	決	決	決	決	決	決	580	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴			
447											509	冓	決	決	決	決	決	決	決	決		581	惴	惴	惴	惴	惴	惴	惴	惴	惴		448	矢	厄	役	也	冶	夜	爺	耶	野	弥	509	冓	決	決	決	決	決	決	決	決	決	582	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
447											510	冓	決	決	決	決	決	決	決	決		583	惴	惴	惴	惴	惴	惴	惴	惴	惴		449	愉	愈	油	癒	優	勇	友	宥	幽		510	冓	決	決	決	決	決	決	決	決	決	584	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
448											511	冓	決	決	決	決	決	決	決	決		585	惴	惴	惴	惴	惴	惴	惴	惴	惴		449	鍵											511	冓	決	決	決	決	決	決	決	決	決	586	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
449											512	冓	決	決	決	決	決	決	決	決		587	惴	惴	惴	惴	惴	惴	惴	惴	惴		449												512	冓	決	決	決	決	決	決	決	決	決	588	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
449											513	冓	決	決	決	決	決	決	決	決		589	惴	惴	惴	惴	惴	惴	惴	惴	惴		449	愉	愈	油	癒	優	勇	友	宥	幽		513	冓	決	決	決	決	決	決	決	決	決	589	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
449											514	冓	決	決	決	決	決	決	決	決		590	惴	惴	惴	惴	惴	惴	惴	惴	惴		449	愉	愈	油	癒	優	勇	友	宥	幽		514	冓	決	決	決	決	決	決	決	決	決	590	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
450											515	冓	決	決	決	決	決	決	決	決		591	惴	惴	惴	惴	惴	惴	惴	惴	惴		450	諭	輸	唯	柚	郵	雄	融					515	冓	決	決	決	決	決	決	決	決	決	591	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
451											516	冓	決	決	決	決	決	決	決	決		592	惴	惴	惴	惴	惴	惴	惴	惴	惴		451	祐	裕	遊	邑								516	冓	決	決	決	決	決	決	決	決	決	592	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
452											517	冓	決	決	決	決	決	決	決	決		593	惴	惴	惴	惴	惴	惴	惴	惴	惴		452	余	揚	窯	欲									517	冓	決	決	決	決	決	決	決	決	決	593	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴
452											518	冓	決	決	決	決	決	決	決	決		594	惴	惴	惴	惴	惴	惴	惴	惴	惴		452	余	揚	窯	欲									518	冓	決	決	決	決	決	決	決	決	決	594	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴
453											519	冓	決	決	決	決	決	決	決	決		595	惴	惴	惴	惴	惴	惴	惴	惴	惴		453	螺	裸	来	菜	類	雷	洛	絡	落		519	冓	決	決	決	決	決	決	決	決	決	595	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
453											520	冓	決	決	決	決	決	決	決	決		596	惴	惴	惴	惴	惴	惴	惴	惴	惴		453	螺	裸	来	菜	類	雷	洛	絡	落		520	冓	決	決	決	決	決	決	決	決	決	596	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
454											521	冓	決	決	決	決	決	決	決	決		597	惴	惴	惴	惴	惴	惴	惴	惴	惴		454	螺	裸	来	菜	類	雷	洛	絡	落		521	冓	決	決	決	決	決	決	決	決	決	597	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
454											522	冓	決	決	決	決	決	決	決	決		598	惴	惴	惴	惴	惴	惴	惴	惴	惴		454	螺	裸	来	菜	類	雷	洛	絡	落		522	冓	決	決	決	決	決	決	決	決	決	598	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
455											523	冓	決	決	決	決	決	決	決	決		599	惴	惴	惴	惴	惴	惴	惴	惴	惴		455	螺	裸	来	菜	類	雷	洛	絡	落		523	冓	決	決	決	決	決	決	決	決	決	599	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
456											524	冓	決	決	決	決	決	決	決	決		600	惴	惴	惴	惴	惴	惴	惴	惴	惴		456	螺	裸	来	菜	類	雷	洛	絡	落		524	冓	決	決	決	決	決	決	決	決	決	600	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
456											525	冓	決	決	決	決	決	決	決	決		601	惴	惴	惴	惴	惴	惴	惴	惴	惴		456	螺	裸	来	菜	類	雷	洛	絡	落		525	冓	決	決	決	決	決	決	決	決	決	601	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴		
457											526	冓	決	決	決	決	決	決	決	決		602	惴	惴	惴	惴	惴	惴	惴	惴	惴		457	履	李	梨	理	璃	離	陸	律	率	立		526	冓	決	決	決	決	決	決	決	決	決	602	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
458											527	冓	決	決	決	決	決	決	決	決		603	惴	惴	惴	惴	惴	惴	惴	惴	惴		458	履	李	梨	理	璃	離	陸	律	率	立		527	冓	決	決	決	決	決	決	決	決	決	603	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
458											528	冓	決	決	決	決	決	決	決	決		604	惴	惴	惴	惴	惴	惴	惴	惴	惴		458	履	李	梨	理	璃	離	陸	律	率	立		528	冓	決	決	決	決	決	決	決	決	決	604	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
458											529	冓	決	決	決	決	決	決	決	決		605	惴	惴	惴	惴	惴	惴	惴	惴	惴		459	履	李	梨	理	璃	離	陸	律	率	立		529	冓	決	決	決	決	決	決	決	決	決	605	惴	惴	惴	惴	惴	惴	惴	惴	惴	惴	
459											530	冓	決	決	決	決	決	決	決	決		606	惴	惴	惴	惴	惴	惴	惴	惴	惴		459	履	李	梨	理	璃	離	陸	律	率	立		530	冓	決	決	決	決	決	決	決														

