



Wi-Fi STATION

SH-05L

INSTRUCTION MANUAL

Introduction

Thank you for purchasing “SH-05L”.

Be sure to read this manual before and during use to ensure proper operation.

About the Manuals

■ Quick setup manual (Basic package) (in Japanese only)

This manual describes how to connect devices, such as PCs, game consoles, and smartphones, to this device.

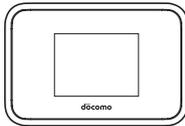
■ User's Manual (in PDF format)

This manual describes detailed guidance and operations of functions.

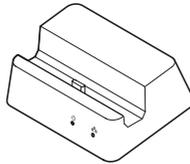
You can download it from the DOCOMO website.

- Note that “SH-05L” is referred to as “device” in this manual.
- This manual contains the information available at the time of purchase.
- The contents of this manual and the URL of the website are subject to change without prior notice.
- The screens and illustrations in this manual are shown as examples. The actual screens and illustrations may differ.
- Reproduction of this manual in part or in whole without prior permission is prohibited.

Basic package



Device



Cradle SH01
(including warranty)



SIM eject tool (sample)



Quick setup manual
(in Japanese only)



Notes on usage
(in Japanese only)



Wireless LAN
initial setting sticker
(in Japanese only)

- Optional parts (sold separately) compatible with the device can also be checked and purchased on docomo online shop.

<https://onlineshop.smt.docomo.ne.jp/options/search.html>

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Using the device

- The device supports LTE, W-CDMA, and wireless LAN systems.
- Because the device 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 LTE service area or FOMA service area. You may not use the device in the upper floors of a building even with no obstructions in sight. There may also be times when the signal is strong and [📶] (indicating signal status) is displayed, and you are not moving but communication is interrupted.
- Take notes of the device settings or save the device settings to external memory devices such as PCs periodically. DOCOMO shall not be liable for any loss of content due to a failure, repair, model change or other handling of the device.
- The device automatically performs communication for some functions, for example, to check the latest software version. Also, making communication with large-volume data will lead to higher packet communication charges. Subscription to Packet Pack/flat-rate packet communication services is highly recommended.
- Secure the security of the device by setting the password of [Screen Lock] in case you lose it.
- The service contents are subject to change without prior notice.
- The device does not support providers other than sp-mode, mopera U and Business mopera Internet.
- For details on usage fees, etc., refer to the DOCOMO website.
- 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.

Key features of the SH-05L

LTE communication of the device supports PREMIUM 4G® (LTE-Advanced) audio. PREMIUM 4G allows for high-speed communications up to 988 Mbps when receiving data.

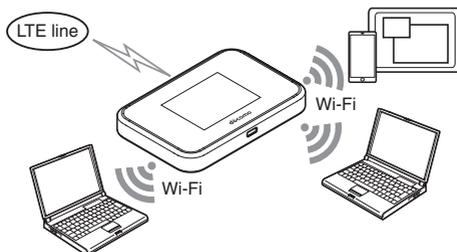
This device can simultaneously connect to multiple Wi-Fi devices, such as PCs and game consoles, using Wi-Fi. The device can also be connected to a PC with a USB cable data communications, and it can be used as a wired router by using the cradle.

- For details on the communication speed, refer to “Main specifications” (P.77).

■ Wi-Fi connection

You can connect Wi-Fi devices (such as PCs and game consoles) to this device for data communications.

Up to 10 Wi-Fi devices can simultaneously connect to this device.

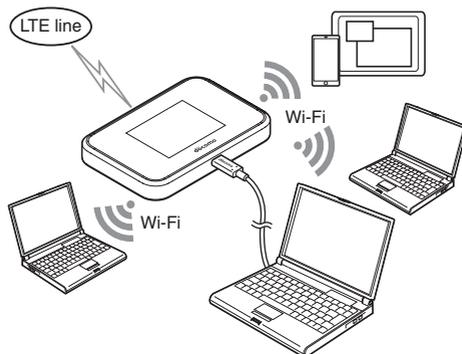


■ Connecting and communicating over the USB cable

You can connect this device to a PC with a USB cable for data communications.

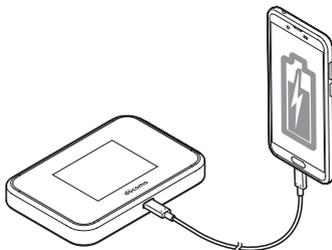
You can also use the USB connection at the same time as Wi-Fi connections.

Wi-Fi devices can connect over Wi-Fi even when the USB cable is connected to the device.



■ Support for mobile charging

You can charge your smartphone, tablet or other device by connecting it to this device using the USB cable C to C 02 (sold separately).



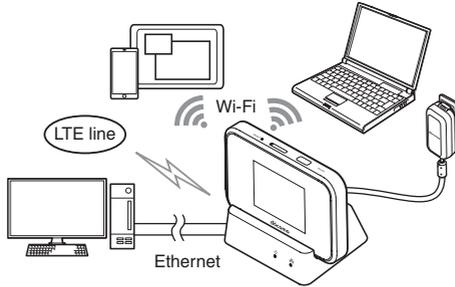
■ Cradle with built-in LAN port

You can perform data communications by connecting your PC or other device to Cradle SH01 (provided) using a commercially available LAN cable.

You can also use the LAN connection at the same time as Wi-Fi connections.

Wi-Fi devices can connect over Wi-Fi even when the LAN cable is connected to the device.

- Always connect the cradle to a power outlet using AC Adapter 07 (sold separately).



■ Support for QR codes & WPS connections

You can easily connect your smartphone or other device to the device over Wi-Fi by displaying a QR code on the device and reading it with your smartphone's camera.

WPS connections are also supported to allow you to connect your smartphone to the device using the WPS key. You can quickly connect and use your first Wi-Fi device with ease.

- * The QR code reader installed on your Android™ smartphone may not be able to automatically perform Wi-Fi settings. Install the QR code reader from the link below.

http://k-tai.sharp.co.jp/support/d/sh05l/peripherals/qrapl.html?utm_source=guide&utm_medium=qrsh05l&utm_campaign=product_leaf



Precautions (ALWAYS FOLLOW THESE DIRECTIONS)

- Before use, read these “Precautions” carefully and use your device properly.
- 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 device is used improperly.

 Danger	This symbol indicates that “death or serious bodily injury ⁽¹⁾ may directly and immediately result from improper use”.
 Warning	This symbol indicates that “death or serious bodily injury ⁽¹⁾ may result from improper use”.
 Caution	This symbol indicates that “minor injury ⁽²⁾ and/or property damage ⁽³⁾ may result from improper use”.

*1 Serious bodily injury: This refers to loss of eyesight, bodily injury, burns (high- and low-temperature), electric shock, broken bones, injuries with residual aftereffects from poisoning, etc., and injuries requiring hospital admission for treatment or long-term hospital attendance as an outpatient.

*2 Minor injury: This refers to bodily injury, burns (high- and low-temperature), electric shock, etc. that do not require hospital admission for treatment or long-term hospital attendance as an outpatient.

*3 Property damage: This refers to extended damage to buildings, furniture, livestock, pets, etc.

- The following symbols indicate specific directions.

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

Handling the device, adapters, cradle and docomo nano UIM card (general)

Danger



Don't

Do not use, store or leave the equipment in locations subject to high temperatures or accumulation of heat (near a fire or heating unit, in a kotatsu or bedding, under direct sunlight, inside a vehicle on a hot day, etc.).

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



Don't

Do not place the equipment inside cooking appliances such as microwave ovens and induction cookers or high pressure vessels such as pressure cookers, or near them.

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



Don't

Do not sprinkle sand, soil or dirt on the equipment or put the equipment directly on it. Also, do not touch the equipment when sand, etc. is adhering to your hand.

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



Don't

Do not charge the equipment while it is wet with liquids such as water (drinking water, sweat, seawater, pet urine, etc.). Also, do not charge the equipment in a location where it will come into contact with water such as a bathroom, etc.

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



Don't

Do not press the equipment strongly or broken it. Especially when carrying the equipment in your pocket, do not allow it to be hit with or nipped in objects.

May cause fires, burns, bodily injury, etc. because of damage of the internal battery.

* Take particular care with the followings

- Sitting or squatting down while putting the equipment in your pocket of trousers or skirt
- Allow the equipment to be nipped in the door or vehicular door while putting the equipment in your pocket of outerwear
- Stepping on the equipment while it is placed on a soft object such as the sofa or bedding, floor



Don't

Do not attempt to remove the internal battery from the device.

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



Don't

Do not attempt to remove the back cover from the device.

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



No disassembly

Do not attempt to disassemble or modify the equipment.

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



No liquids

Do not get the equipment wet with liquids such as water (drinking water, sweat, seawater, pet urine, etc.).

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



No liquids

Do not allow liquids such as water (drinking water, sweat, seawater, pet urine, etc.) to get inside the charger terminal or external connection jack.

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



Instruction

Use only optional parts specified by NTT DOCOMO.

May cause fires, burns, bodily injury, electric shock, etc. if you use a device other than specified one.

Warning



Don't

Do not subject the equipment to strong force, impacts or vibration such as letting it fall, stepping on it or throwing it.

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



Don't

Do not allow conductive materials (such as metal objects and pencil lead) to come into contact with the charger terminal or external connection jack or dust to get inside it.

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



Don't

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

May cause fires, burns, etc.



Instruction

If charging is not completed after the specified charging time, stop charging.

May cause fires, burns, bodily injury, etc. because of overcharging.



Instruction

Be sure to turn off the device and not to charge the battery in locations where flammable gas may be generated and where dust is generated.

The flammable gas, etc. could ignite, causing a fire, explosion, etc.



Instruction

Follow the instructions given by the respective facility regarding use of the device in a gas station.

Do not perform charging in a gas station, etc. Also, take care not to drop the device when using it in a gas station, etc. In particular, do not use the device when refilling a vehicle with gas. The flammable gas, etc. could ignite, causing a fire, explosion, etc.



Instruction

If any trouble such as an unusual odor, unusual noise, smoking, overheating, discoloration or deformation is found during use, charge or storage, follow the instructions below.

- Unplug the power plug from the outlet or accessory socket.
- Turn off the device.

May cause fires, burns, bodily injury, electric shock, etc. if you do not follow the instructions above.

⚠ Caution



Don't

Do not use a damaged equipment.
May cause fires, burns, bodily injury, etc.



Don't

Do not leave the equipment on unstable surfaces, such as on a wobbly table or sloped surface.
May fall and cause injury, etc.



Don't

Do not use or store the equipment in locations that are subject to humidity, dust or high temperatures.
May cause fires, burns, electric shock, etc.



Don't

If being used by a child, have a guardian teach him/her the proper handling procedures and do not have him/her use it improperly.
May cause bodily injury, etc.



Don't

Do not place the equipment where the young children can reach it.
Be especially careful with regard to the storage location of small parts such as the docomo nano UIM card tray and SIM eject tool.
A young child may swallow the equipment, or suffer bodily injury, electric shock, etc.



Instruction

Be careful when using the device continuously or when charging because it may become warm. Also, be careful not to unintentionally touch it continuously when it is in a pocket of your clothing, or when you fall asleep, etc.

The device or adapter may become warm when using data communication, etc. for a long time or when charging. Directly touching a warmed part for a long time may cause redness, itching, rashes, low-temperature burns, etc. on your skin depending on your constitution or health condition.

Handling the device

⚠ Danger



Don't

Do not throw the device into a fire or heat it.
May cause fires, burns, bodily injury, etc.



Don't

Do not apply excessive force on the device such as puncturing it with a sharp object (nail, etc.), hitting it with a hard object (hammer, etc.) or stepping on it.
May cause fires, burns, bodily injury, etc.



Instruction

If the substance inside the device comes into contact with your eyes or mouth, etc. immediately rinse the contacted area with clean water. Then seek prompt medical treatment.

May result in loss of eyesight, sick, etc. because of the substance, etc. inside the device.

⚠ Warning



Don't

Do not watch the screen which is flashing repeatedly for a long time.
May cause spasm or loss of consciousness.



Don't

Do not allow water or other liquids (drinking water, sweat, seawater, pet urine, etc.), metal (a blade of cutter, staple, etc.), flammable material or other foreign object to enter the docomo nano UIM card tray slot on the device.

Also, do not insert the docomo nano UIM card in the wrong place or wrong side.
May cause fires, burns, bodily injury, electric shock, etc.



Instruction

Turn off the device before going aboard an airplane.

Since using the device on airplanes is restricted, follow the instructions given by the respective airlines.

May interfere with the operation of electronic devices installed on the airplane because of signals.

If you commit a prohibited act while using the device on an airplane, you may be punished by law.



Instruction

Follow the instructions given by the respective medical facility regarding the use of the device in a hospital.

Turn off the device in areas where the use of communication devices is prohibited.

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



Instruction

If you are using electronic medical equipment, etc., 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. because of signals.



Instruction

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

May interfere with the operation of electronic devices because of signals.

* Take particular care with the following devices

Hearing aids, implanted cardiac pacemakers, implanted cardioverter-defibrillators, other electronic medical equipment, other equipment controlled by electronic signals, etc. 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 is damaged, be careful of broken part and the exposed inside of the device.

May cause burns, bodily injury, electric shock, etc. if you touch the broken or exposed parts.



Instruction

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

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



Instruction

Do not allow a pet, etc. to bite the device.

May cause fires, burns, bodily injury, etc. because of damage of the internal battery.



Caution



Don't

If the display is broken and the internal substance then leaks, do not get it on your skin (face, hands, etc.), clothes, etc.

May result in damage to your eyes, skin, etc. If the internal substance comes into contact with your eyes, mouth, skin or clothes, etc. immediately rinse the contacted area with clean water.

Also, if it comes into contact with your eyes or mouth, etc. seek medical treatment immediately after rinsing the contacted area.



Don't

Do not dispose of the device in ordinary garbage.

May cause fires, burns, bodily injury, etc. It may also cause damage to the environment. Take the unnecessary device to a sales outlet such as a docomo Shop or follow the instructions by a local institution that handles used devices.



Don't

If the substance inside the internal battery leaks, do not get the liquid on your skin (face, hands, etc.), clothes, etc.

May result in damage to your eyes, skin, etc. If the internal substance comes into contact with your eyes, mouth, skin or clothes, etc. immediately rinse the contacted area with clean water.

Also, if it comes into contact with your eyes or mouth, etc. seek medical treatment immediately after rinsing the contacted area.



Instruction

When removing the docomo nano UIM card, be careful with the tip of the SIM eject tool or paper clip not to injure any part of your body such as fingers.

May cause bodily injury, etc. if you touch the tip of the SIM eject tool or paper clip.



Instruction

If you use the device 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 because of signals in some vehicle models. In this case, stop using the device.



Instruction

If any trouble on your skin occurs due to using the device, immediately stop using it and seek medical treatment.

Use of the device may cause itching, rashes, eczema, etc. depending on your constitution or health condition. Refer to the following for details on materials of each part.

☞ P.10 "Material list"



Instruction

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

Eyesight may be weakened, etc. if you look at in a dark place or closely.

Handling adapters and cradle



Warning



Don't

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

May cause fires, burns, electric shock, etc.



Don't

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

May cause fires, burns, electric shock, etc.



Don't

Do not touch adapters if you hear thunder.

May cause electric shock, etc.



Don't

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

May cause fires, burns, electric shock, etc.



Don't

Do not place heavy objects on the cord of the adapter or apply excessive force on it such as pulling it.

May cause fires, burns, electric shock, etc.



Don't

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

May cause fires, burns, electric shock, etc.



Don't

Do not connect the voltage converter for overseas travel (travel converter) to the AC adapter.

May catch fire, or cause overheat, electric shock, etc.



Don't

Do not apply excessive force on the connection part with the adapter connected to the device or cradle.
May cause fires, burns, bodily injury, electric shock, etc.



No wet hands

Do not handle the cord, charger terminal or power plug of the adapter or cradle with wet hands.
May cause fires, burns, electric shock, etc.



Instruction

Always use the specified power supply and voltage.
When using overseas, use the AC adapter that is available overseas.

Using the incorrect power supply and voltage may cause fires, burns, electric shock, etc.
AC adapter: 100V AC (Connect only with a household AC outlet)
AC adapter available overseas: 100 to 240V AC (Connect only with a household AC outlet)
DC adapter: 12/24V DC (for negative grounded vehicles only)



Instruction

If you replace the fuse in the DC adapter, always replace it with a specified fuse.
May cause fires, burns, electric shock, etc. if you use the fuse other than specified one. Refer to the respective manuals for information on specified fuses.



Instruction

Wipe off any dust on the power plug.
May cause fires, burns, electric shock, etc. if you use the power plug with dust adhering.



Instruction

Fully plug the adapter into the outlet or accessory socket.
May cause fires, burns, electric shock, etc. if you do not insert it securely.



Instruction

Always grasp the adapters when unplugging the power plug from the outlet or accessory socket. Do not apply excessive force on it such as pulling the cord of the adapter.
May cause fires, burns, electric shock, etc. since the cord of the adapter is damaged by pulling it.



Instruction

When plugging/unplugging an adapter into/from the device or cradle, plug/unplug it straightly toward the terminal to connect, not applying excessive force on it such as pulling the cord.
May cause fires, burns, electric shock, etc. if you do not plug/unplug it correctly.



Instruction

If the charger terminal is deformed such as bending it, immediately stop using. Also, do not use the deformed one by returning it to the original shape.
May cause fires, burns, bodily injury, electric shock, etc. because of short circuit of it.



Unplug

Unplug the power plug from the outlet or accessory socket when not using.
May cause fires, burns, electric shock, etc. if you leave the power plug with it plugged into the outlet or accessory socket.



Unplug

If water or other liquids (drinking water, sweat, seawater, pet urine, etc.) are attached on equipment, immediately remove the power plug from the outlet or accessory socket.
May cause fires, burns, electric shock, etc. because of short circuit by the adhered object.



Unplug

Always unplug the power plug from the outlet or accessory socket before cleaning the equipment.
May cause fires, burns, electric shock, etc. if you do not unplug it.

Caution



Don't

Do not touch the adapter continuously when connected to an outlet or accessory socket.
May cause burns, etc.

Handling docomo nano UIM card

Caution



Instruction

Be careful with the cutting surface not to injure any part of your body such as fingers when handling the docomo nano UIM card.
May cause bodily injury, etc. because the cutting surface may be sharp.

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 device 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 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, etc. 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 device and a person closest to you may get shorter than 15 cm such as when you cannot freely move around, set the device not to emit radio wave in advance (by 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 device on their premises.

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

Material list

Device

Part	Material/Surface treatment
Display panel	Acrylic resin + PC resin/hard coating
Exterior (front/sides)	PC resin/Coating, hard coating, printing
Exterior (back)	PC resin/Coating, hard coating, printing
Power key	PC resin/Coating, Hard coating
Surrounding area of USB Type-C™ connection jack (inner side surface)	Stainless
docomo nano UIM card tray (Exterior section)	PC resin/Coating, Hard coating
docomo nano UIM card tray	PC resin
IMEI plate	PET resin/Printing
IMEI label	PET resin/Printing

Cradle SH01

Part	Material/Surface treatment
Upper cabinet	PC resin/Printing
USB Type-C plug (Resin section)	LCP resin
USB Type-C plug (Metal section)	Stainless
Power lamp	PC resin
Ethernet lamp	PC resin
Lower cabinet	PC resin
Ethernet port (Connector)	Phosphor bronze/Gold plating
Ethernet port (Metal section)	Stainless
Ethernet port (Resin section)	Polyamide
USB Type-C connection jack for power supply (Resin section)	LCP resin

Part	Material/Surface treatment
USB Type-C connection jack for power supply (Metal section)	Stainless
Rubber base	Silicon rubber
Standards nameplate label	PET resin/Printing

SIM eject tool

Part	Material/Surface treatment
Body	Stainless

Handling the sample (SIM eject tool)

Warning



Don't

The tip of the SIM eject tool is sharp. Do not use it pointing at yourself or others.
May cause bodily injury, loss of eyesight, etc.

Handling precautions

General notes

- **Do not splash water or other liquids (drinking water, sweat, seawater, pet urine, etc.).**
The device, adapter, docomo nano UIM card and cradle are not waterproof. Do not use in humid or steamy areas such as bathrooms and places 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. If a problem is found to be due to moisture, the device and parts are not covered by warranty. For details on repair, contact the number listed in "Repairs" (in Japanese only) on the last page or a repair counter that DOCOMO specifies.
- **Clean only with a soft and dry cloth (such as the type used for eyeglasses).**
 - Forceful rubbing of the display may scratch its surface.
 - Water drops, dirt, etc. left on the display may cause stains to form on its surface.
 - Never use chemicals such as alcohol, thinners, benzene or detergents, as these agents may erase the printing or cause discoloration.
- **Occasionally clean terminals, etc. and always keep it clean.**
When using unclean terminals, etc., the device may not work properly.
Be careful not to damage to terminals, etc. 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 on the device when using it.**
Carrying the equipment in a tightly packed bag or sitting on it put in your pocket may cause a malfunction or damage of the display, internal components, internal battery, etc.
Keeping an external connector device plugged into the external connection jack may cause a malfunction or damage.
- **Use only optional parts specified by NTT DOCOMO.**
May cause a malfunction or damage when equipment other than those specified by NTT DOCOMO are used.
- **Read the respective user's manuals supplied with supported optional parts carefully.**
- **Do not drop or otherwise subject the equipment to severe impact.**
May cause a malfunction or damage.

Notes about the device

- **Do not forcefully press the display or operate with a pointed object.**
May scratch it and cause malfunction or damage.
- **Avoid using the device in extremely high or low temperatures.**
Use the device within the range of a temperature between 5° C and 35° C and a humidity between 45% and 85%.
- **Using the device close to household electronic equipment (TVs, radios, etc.) may have harmful effects on the operation of such equipment. Move as far away as possible from such items before use.**
- **Back up the device settings to the PC, etc. or keep a separate memo of the device settings.**
DOCOMO shall not be liable for any loss of content.
- **When connecting an external connector device to the external connection jack, do not put it in obliquely and do not pull it while it is plugged in.**
May cause a malfunction or damage.
- **The device may become warm during use or charging but this is not a malfunction. You can keep using it.**
- **Use the device with the docomo nano UIM card tray closed.**
Liquid such as water (drinking water, sweat, seawater, pet urine, etc.) or foreign object such as dust may get inside and cause a malfunction.
- **The internal battery is not covered by warranty because it is a consumable product.**
Depending on usage, the internal battery may swell as it approaches the end of its usable life.
Change the battery if its life becomes extremely shorter or the it swells even after fully charged. For details on replacing the internal battery, contact the number listed in "Repairs" (in Japanese only) on the last page or a repair counter that DOCOMO specifies.
- **Charge the battery in areas where the ambient temperature is between 5° C and 35° C.**
- **The battery life depends on the usage and deterioration of the battery.**
- **Do not store the device under the following situations because they may lower the performance or shorten the usable life of the internal battery.**
 - Storage with the internal battery fully charged (immediately after charging is completed)
 - Storage with no battery level (cannot turn the device on)Approximately 40% is recommended as the proper battery level for storage.
- **The following is the type of the internal battery built into the device.**

Label	Battery type
Li-ion00	Lithium-ion

Notes about adapters and cradle

- **Charge the battery in areas where the ambient temperature is between 5° C and 35° C.**
- **Do not charge the internal battery in the following locations.**
 - Areas with high humidity or dust, or in areas exposed to frequent vibrations
 - Close to household electronic equipment (TVs, radios, etc.)
- **Adapters or cradle may become warm during charging but this is not a malfunction. You can keep using it.**
- **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 impacts. Also, do not deform the charger terminals.**

May cause a malfunction.
- **The cradle has been manufactured on the assumption that it will be used in Japan. The customer bears all responsibility for the use of the cradle outside Japan. The cradle may not comply with the laws and regulations of the destination country or region. Carefully check the relevant laws and regulations before using the cradle outside Japan.**

Notes about docomo nano UIM card

- **Do not apply unnecessary force when inserting/removing the docomo nano UIM card.**
- **Customer is responsible for malfunctions arising from inserting docomo nano UIM card into a different IC card reader/writer, etc.**
- **Occasionally clean IC area and always keep it.**

When using the docomo nano UIM card while IC area is not clean, it may not work properly.
- **Clean only with a soft and dry cloth (such as the type used for eyeglasses).**
- **Keep a separate memo of data stored on the docomo nano UIM card.**

DOCOMO shall not be liable for any loss of content.
- **To protect the environment, please take any unneeded docomo nano 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 nano UIM card to severe impact.**

May cause a malfunction.
- **Never bend the docomo nano UIM card or place heavy objects on it.**

May cause a malfunction.
- **Do not insert the docomo nano UIM card to the device with a label, sticker, etc. attached on the card.**

May cause a malfunction.

Notes about wireless LAN (WLAN)

- **Wireless LAN (WLAN) uses radio waves to communicate information. Therefore, it has an advantage of freely connecting to the LAN within the service area. On the other hand, if security setting is not set, it is possible for a malicious third party to intercept the communication contents or hack. It is recommended to set security setting at your own risk and judgement.**
- **Even if any leak of data and information occurs while making communication using wireless LAN function, DOCOMO shall not be liable for any loss of content.**
- **The customer must change the wireless LAN settings to those for the destination country when using wireless LAN outside of Japan. The cradle may not comply with the laws and regulations of the destination country or region. Carefully check the relevant laws and regulations before using the cradle outside Japan.**
- **Wireless LAN**

Do not use wireless LAN near magnetic devices such as electric appliances or AV/OA devices or in radio waves.

 - Magnetism or radio waves may increase noises or disable communications (especially when using a microwave oven).
 - When used near TV, radio, etc., reception interference may occur or channels on the TV screen may be disturbed.
 - If there are multiple wireless LAN access points nearby and the same channel is used, search may not work correctly.
- **Radio frequencies**

In the home screen, select [About Device] to confirm the radio frequencies the wireless LAN function of the device uses. The label markings are as follows.



- (1) 2.4: This radio equipment uses the 2,400 MHz band.
- (2) DS: The modulation system is the DS-SS system.
- (3) OF: The modulation system is the OFDM system.
- (4) 4: The estimated coverage distance is 40 m or less.

(5) [REDACTED] [REDACTED] [REDACTED]: All radio frequencies between 2,400 MHz and 2,483.5 MHz are used and the frequencies for mobile object identifiers can be avoided.

Available channels for the device's wireless LAN are between 1 and 13. Note that other channel access points cannot be connected.

Available channels may vary depending on the country.

For use in an aircraft, contact the airline beforehand.

● **Cautions on using 2.4 GHz devices**

WLAN-installed devices operate at radio frequencies assigned to the in-house radio stations for a mobile object identifier (radio stations requiring a license) used in production lines of a factory, specific low power radio stations (radio stations requiring no license), and amateur radio stations (radio stations requiring a license) in addition to industrial, scientific and medical devices or home electric appliances such as microwave ovens.

1. Before using this device, make sure that the in-house radio stations for a mobile object identifier, specific low power radio stations and amateur radio stations are not operating nearby.
2. If the device causes harmful radio interference to the in-house radio stations for a mobile object identifier, immediately change the radio frequency or stop use, and contact the number listed in "General Inquiries" on the last page for crosstalk avoidance, etc. (e.g. partition setup).
3. If the device causes radio interference to specific low power radio stations for a mobile object identifier or amateur radio stations, contact the number listed in "General Inquiries" on the last page for further details.

● **Cautions on using 5 GHz devices**

In the 5 GHz frequency band, three bands of 5.2 GHz/5.3 GHz/5.6 GHz band (W52/W53/W56) are available.

- W52 (5.2 GHz band/36, 40, 44, 48 ch)
- W53 (5.3 GHz band/52, 56, 60, 64 ch)
- W56 (5.6 GHz band/100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140 ch)

If your Wi-Fi device does not support 5 GHz band, set the device to use the 2.4 GHz band.

Additionally, communications are possible over USB using a USB cable for data communications, or through a wired LAN connection using a cradle.

Using the wireless LAN on the 5.2 GHz/5.3 GHz bands (W52/W53) outdoors is forbidden by law.

When using the W53/W56 5 GHz Wi-Fi bands, the channel may change automatically to avoid radio interference with weather radars and other radio equipment. Communications will be temporarily disconnected if that occurs (Dynamic Frequency Selection (DFS)).

Voluntary control for radio wave interference

● **This product satisfies technical requirements based on VCCI Rules for Voluntary Control Measures and its satisfied mark is displayed on the electronic nameplate of the product.**

You can see the electronic nameplate by operating the product as follows.

In the home screen, [About Device]

Notes about the sample (SIM eject tool)

● **Do not insert the SIM eject tool into any hole other than the docomo nano UIM card tray hole and the RESET button hole.**

May cause a malfunction or damage.

● **Do not apply excessive force on the SIM eject tool when using it.**

May cause a malfunction or damage.

● **When discarding, segregate it according to the local rules.**

● **Use the SIM eject tool only for the intended purpose in this manual.**

May cause a malfunction or damage.

● **Do not use the SIM eject tool for other mobile devices.**

May cause malfunction or damage of other mobile devices.

Caution

● **Never use the device that is modified. Using a modified device violates the Radio Law and/or the Telecommunications Business Law.**

The device follows the regulations regarding the certification of conformity with technical regulations for specific radio stations, 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" (TM) can be displayed on the electronic nameplate of the device as a proof. You can see it by operating as follows.

In the home screen, [About Device]

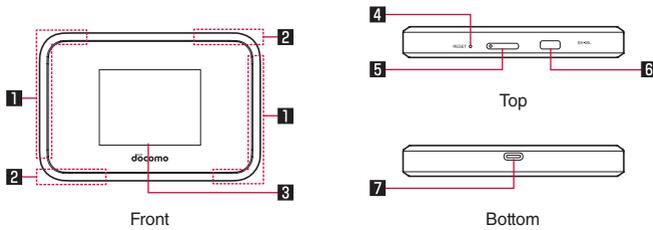
If the screws of the device are removed and a modification is given to the inside, the certification of conformity with technical regulations, etc. will become invalid. Never use the device without the valid certification, etc. Doing so violates the Radio Law and/or the Telecommunications Business Law.

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

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

Part names and functions

■ Device



1 LTE/FOMA antenna*

2 LTE/Wi-Fi antenna*

3 Display/Touch panel

- For details on operation of the touch panel (☞ P.23 “Using the touch panel”)

4 RESET button

- The device settings can be restored to the factory default settings by pressing this button with the SIM eject tool (sample) when the power to the device is on.
- The device settings can also be restored to the factory default settings using operations from the setting tool (☞ P.58 “Restore Default”).

5 docomo nano UIM card tray

- For details on docomo nano UIM card (☞ P.15 “docomo nano UIM card”)

6 : Power key

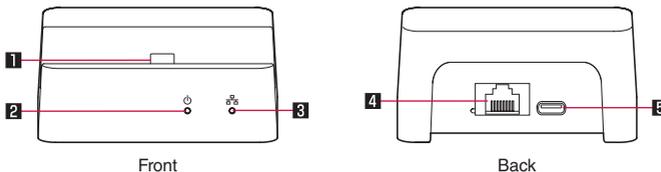
- Used to turn the power on/off and turn the screen on/off (☞ P.21 “Turning power on/off”).

7 USB Type-C connection jack

- Use to charge the device, etc.
- For details on connection to an external device (☞ P.18 “Charging”; P.48 “Connecting and communicating over the USB cable”)

* Built into the main body. Covering the antenna area with your hand may influence the communication quality.

■ Cradle SH01



1 Type-C plug for charging

2 Power lamp

- ON: Power connected
- OFF: Power not connected

3 Ethernet lamp

- ON: LAN cable connected
 - The lamp illuminates when the device is attached to the cradle when communications are enabled, and the cradle and a wired LAN device are connected with a LAN cable.
- OFF: LAN cable not connected, or connection error
- Flashing: Connecting or during data communication

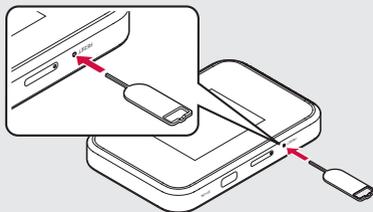
4 Ethernet port

5 USB Type-C connection jack for power supply

- The back cover cannot be removed. Removing it forcibly may cause damage or a malfunction.
- The battery is built into the device and you cannot replace it by yourself.

RESET button

- Use the SIM eject tool (sample) when pressing the RESET button.
- When restoring the device settings to the factory default settings, press the RESET button with the SIM eject tool for two or more seconds, and then select [YES].



IMEI plate

- A plate with the sticker which the IMEI number (International Mobile Equipment Identifier), CE mark, etc. are printed is stowed near the docomo nano UIM card tray slot. The IMEI number is required when requesting servicing or repairs. Do not pull out the plate or remove the sticker.
For details on precautions about handling the IMEI plate (model nameplate), see "After-sales services" (P.75).
- Note that pulling out the IMEI plate forcibly or adding forces on it may damage to the plate.
- If you accidentally pull out the IMEI plate, slowly return the IMEI plate while taking care not to insert it too deep.

Turning power off forcibly

- You can turn the power off forcibly by pressing \square (power key) for at least 8 seconds. Note that settings, etc. may be deleted since the power is turned off forcibly.

■ SIM eject tool (sample)

It is used to insert/remove a docomo nano UIM card or to press RESET button.

docomo nano UIM card

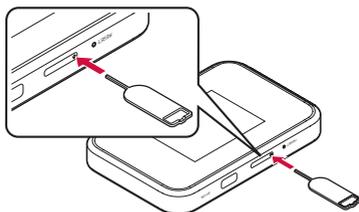
A docomo nano UIM card is an IC card that records personal information, such as your phone number. Insert the docomo nano UIM card into the device to enable data communications.

- A docomo nano UIM card has a security code called PIN code (P.17 "Security codes").
- The device supports only docomo nano UIM card. If you have a docomo mini UIM card, UIM or FOMA card, bring it to a docomo Shop to replace.
- Before inserting/removing the tray, make sure to turn off the power. Hold the device securely with your hand.
- Insert/remove the tray with the display side of the device turned up.
- The included SIM eject tool (sample) is required to remove the tray.

■ Inserting docomo nano UIM card

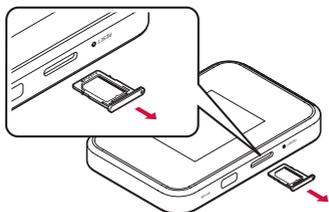
1 Insert the tip of SIM eject tool into the docomo nano UIM card tray hole

- Insert it horizontally until the card tray comes out. If you do not insert it horizontally, may cause damage or malfunction.



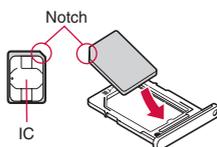
2 Pull out the docomo nano UIM card tray from the device

- Pull out the card tray slowly and horizontally.
- Pulling out it forcefully or obliquely may cause damage.
- When pulling them out, take care that the card does not come out of the card tray and get lost.



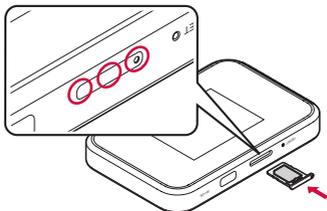
3 Put the docomo nano UIM card into the docomo nano UIM card tray with the IC side turned down

- Check the direction of corner cut.
- Check the direction of the docomo nano UIM card and put it securely.
- Not to let the docomo nano UIM card lift up from the card tray. If the docomo nano UIM card does not fit the card tray, may cause a fault.



4 Insert the docomo nano UIM card tray all the way to the device straight and horizontally with the display side turned up

- Push the A areas securely and make sure there is no space between the device and the card tray.
- Insert the card tray slowly.
- Do not insert the card tray the other way around. If you do so, may cause damage.
- Inserting the card tray not deeply enough may prevent the device from functioning properly.



- If the SIM eject tool is lost, a paper clip can be used as a substitute for it.



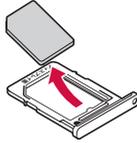
Example of a paper clip

■ Removing docomo nano UIM card

- For details on how to insert and remove the docomo nano UIM card tray, see “Inserting docomo nano UIM card” (P.15).

1 Remove the docomo nano UIM card tray

2 Remove the docomo nano UIM card from the docomo nano UIM card tray



3 Turn the display side up and then insert the docomo nano UIM card tray into the device

- Do not insert the docomo nano UIM card into the device directly. After putting the card into the card tray, insert the whole tray into the device.
- Do not allow the docomo nano UIM card or docomo nano UIM card tray to fall when removing them.
- When pulling out the docomo nano UIM card tray with the display side turned down or the device stood upright, the docomo nano UIM card being attached with the card tray is off and may cause loss.
- When handling the docomo nano UIM card, make sure not to touch or damage the IC area. Also, note that inserting or removing the docomo nano UIM card forcibly may damage it or deform the docomo nano UIM card tray.
- Refer to the docomo nano UIM card user's guide or the DOCOMO website for more information on the docomo nano UIM card.
- Do not misplace the docomo nano UIM card once it is removed.

Security codes

A docomo nano UIM card has a security code called PIN code. This security code is set to [0000] by default but you can change the code (P.53 “PIN management”). The PIN code is a four- to eight-digit security code that needs to be entered for recognizing the user of the device every time a docomo nano UIM card is inserted or when a device is turned on to prevent unauthorized use of the docomo nano UIM card by a third party. Device operation are enabled by entering the PIN code.

- Use the previously set PIN code when inserting a docomo nano UIM card that has been used in another device. It is [0000] if the setting has not been changed.
- If you enter wrong PIN codes three times continuously, the PIN code is locked and cannot be used. In this case, unlock the PIN code with the “PIN Unlock Key” (PUK).

Precautions about 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 the security codes.
- Keep security codes private. If the security codes become known by a third party and are misused, Sharp shall not be liable for any damages incurred by the users.
- If you forget your security codes, you are required to bring your identification (a driver's license, etc.), your device and your docomo nano 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 nano UIM card to a docomo Shop or contact the number listed in “General Inquiries” on the last page.

■ PUK (PIN Unlock Key)

PUK (PIN Unlock Key) is an eight-digit number used to disable the PIN code lock. You cannot change the code.

- If you enter wrong codes 10 times continuously, the docomo nano UIM card is completely locked. In this case, contact a docomo Shop.

Charging

The internal battery is not fully charged at the time of purchase. Be sure to charge the battery before use.

- The latest charger compatible with the device can be checked on docomo online shop.
<https://onlineshop.smt.docomo.ne.jp/options/search.html>

■ Cautions while charging

- For details on the estimated charge time and battery life when fully charged (P.77 “Main specifications”)
- The battery can also be charged with the device turned on (While charging, the battery icon appears with [⚡] superimposed).
- Do not charge for a long time with the power left turned on. If the device is left turned on after charging is complete, the internal battery charge level decreases.
In this case, an AC or DC adapter (sold separately), or cradle SH01 provided with this product charges the battery again. However, depending on the time when the device is disconnected from the AC adapter, DC adapter or cradle, the battery charge level may be low or the battery may only be usable for a short time.
- If the device is left for a long time even after the charging is completed, the battery level may decrease.
- If the battery empty alert is displayed and the power cannot be turned on, charge the battery for a while.
- Frequently recharging the battery when its power is still remaining enough may shorten the usable life of the internal battery. It is recommended to use the battery to a certain level (e.g. after the battery level decreases) before recharging.
- When the battery becomes warm, charging may automatically stop even if the battery has not been fully charged. Charging automatically resumes after the temperature lowers to an appropriate temperature.

■ Internal battery usable life

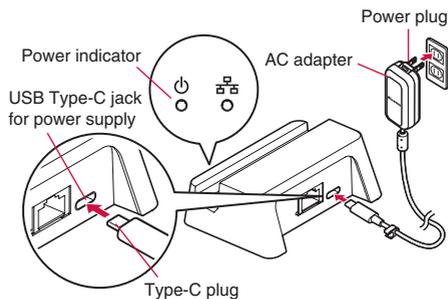
- The internal battery is a consumable product. Battery life per charge is gradually reduced every time the battery is charged.
- When battery life per charge is reduced to approximately half of the default time, this means that the internal battery is approaching the end of its usable life. In this case, it is recommended to replace the battery as soon as possible.
For details on replacing the internal battery, contact the number listed in “Repairs” (in Japanese only) on the last page or a repair counter that DOCOMO specifies.



Charging with cradle

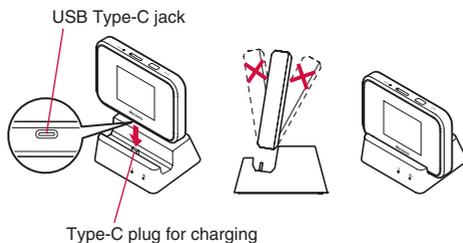
When charging the battery with Cradle SH01 provided with this product or AC Adapter 07 (sold separately), operate the following steps.

- 1 Insert the Type-C plug of the AC adapter horizontally into the USB Type-C connection jack for power supply on the cradle
- 2 Erect the AC adapter power plug and insert it into an outlet
 - The power lamp on the cradle illuminates.



3 With the USB Type-C connection jack on the device facing down, connect the device straight onto the USB Type-C plug for charging on the cradle

- Check if the device and cradle are properly aligned. There may be damage if the device and cradle are not properly aligned when connecting and disconnecting the device.



4 When charging is complete, pull the AC adapter power plug from the outlet

5 Remove the device straight from the USB Type-C plug for charging on the cradle

6 Unplug the Type-C plug of the AC adapter from the USB Type-C connection jack for power supply on the cradle

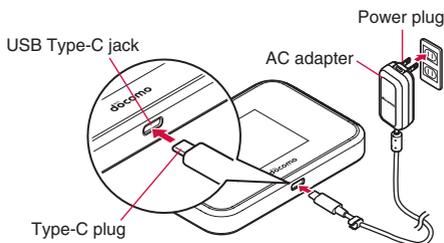
- For details on AC Adapter 07, refer to user's guide of AC Adapter 07.
- AC Adapter 07 covers from 100 to 240V AC.
- The shape of the plug for the AC adapter is for 100V AC (for domestic use).
To use the AC adapter of 100 to 240V AC overseas, a conversion plug adapter applicable to your country of stay is required. Do not use a voltage converter for overseas travel to charge the battery.
- Note that inserting or removing the equipment forcibly may cause damage to the USB Type-C connection jack and the Type-C plug or result in a malfunction.
- If the power lamp is off, check if the cradle is correctly connected to the outlet with the AC adapter.
- When placing the device in the cradle, be careful that metal does not get stuck in between the device and cradle.

Charging with AC adapter

When charging the battery with AC Adapter 07 (sold separately), operate the following steps.

1 Insert the Type-C plug of the AC adapter horizontally into the USB Type-C connection jack on the device

2 Erect the AC adapter power plug and insert it into an outlet



3 When charging is complete, pull the AC adapter power plug from the outlet and remove the Type-C plug horizontally from the USB Type-C connection jack

- Refer to user's guide of AC Adapter 07.
- AC Adapter 07 covers from 100 to 240V AC.
- The shape of the plug for the AC adapter is for 100V AC (for domestic use).
To use the AC adapter of 100 to 240V AC overseas, a conversion plug adapter applicable to your country of stay is required. Do not use a voltage converter for overseas travel to charge the battery.
- Note that inserting or removing the equipment forcibly may cause damage to the USB Type-C connection jack and the Type-C plug or result in a malfunction.

Charging with DC adapter

DC Adapter 05 (sold separately) supplies the power for charging from a car accessory socket (12 and 24V). USB cable A to C 01 (sold separately) is required to use DC Adapter 05. For details, refer to user's guide of DC Adapter 05 and USB cable A to C 01.

- The DC adapter should only be used in negative grounded vehicles (12 and 24V DC).
- Do not use with the car engine shut off. May drain the car battery.
- The DC adapter fuse is a consumable product. For replacement, purchase a new fuse at a nearest auto parts retailer, etc.

Charging the device over a PC connection

You can charge the device by connecting the device to a PC with USB cable A to C 01 (sold separately), etc.

- For details on connecting to a PC or other device  P.48 "Connecting and communicating over the USB cable"

Turning power on/off

■ Turning power on

- 1  (power key) (for at least 2 seconds)



■ Turning power off/restarting

- 1  (power key) (for at least 2 seconds)
- 2 [Power off]/[Reboot]

■ Turning display on/off

The display is turned off when  (power key) is pressed or the device is not in use for a set length of time. Press  (power key) while the display is turned off to turn it on.

■ Touch panel lock

When the power or the display is turned on, the touch panel is locked.

Slide  up to unlock.



- When you turn on the device for the first time, make the initial settings (☰ P.21 "Initial settings").

Initial settings

When you turn on the power to the device for the first time, the initial settings screen is displayed when the touch panel is unlocked.

- 1 When the initial settings screen is displayed, select [spモード] (sp mode)/[mopera U] for [APNプロファイル選択] (APN Profile Selection) ▶ [次へ] (Next)

- The default setting is [spモード] (sp mode). Select [mopera U] ▶ [次へ] (Next) ▶ [OK] to automatically reboot this device. By unlocking the touch panel after rebooting, the initial settings screen is displayed with [mopera U] selected, so then touch [次へ] (Next) to go to step 2.

The device can also be rebooted by selecting [spモード] (sp mode) ▶ [次へ] (Next) ▶ [OK] when [mopera U] is selected.

- 2 On [ソフトウェア更新] (Software Update), select [オン] (ON)/[オフ] (OFF) for [自動更新] (Auto Update) ▶ [次へ] (Next)

- The home screen appears.

Changing screen display to English

- 1 In the home screen, [設定] (Settings) ▶ [Language Setting] ▶ [English]

Screen layout

■ Home screen



1 Status icon displaying area

- [Signal strength icon] to [Battery level icon]: Signal status level (five steps)
 - The [Signal strength icon] is displayed in white during data receiving and [Signal strength icon] is displayed in white during data sending.
 - When 4G (LTE)/3G can be used, [4G+]/[3G] is displayed on the right side of the signal mark. When there is no service, [OUT] is displayed on the right side of the signal mark.
 - While connecting to LTE, [4G+] is displayed all the time.
 - A small [R] is displayed at the upper left of the signal mark during international roaming.
- [Network name icon]: Connected network name label (NTT DOCOMO)
 - Displays the connected network name (network operator).
- [Internet connection icon]: Internet connection/disconnection indicator
 - Indicates that the device is connected to the Internet and data communications are enabled.
- [Software update icon]: Software update available indicator(☞ P.76 “Software update”)
- [DFS icon]: DFS check indicator(☞ P.13 “Cautions on using 5 GHz devices”)
 - Displayed when checking radio interference with weather radars and other radio equipment.
- [Mobile charge icon]: Mobile charge indicator(☞ P.61 “Mobile charge”)
 - Displayed during mobile charging.
- [Battery level icon] to [Battery level icon]: Battery level
 - The percentage is displayed on the left side of the remaining battery level icon.
 - While charging, the battery icon appears with [Charging icon] superimposed.

2 Data Usage(☞ P.61 “Data usage”)

- Displays the amount of data that was used.

3 Client List

- The number of devices connected to the device can be checked here.

4 Wi-Fi Guide(☞ P.26 “Connecting and communicating over Wi-Fi”)

- You can connect a Wi-Fi device to the device by following the instructions on the screen.

5 Mobile Charge(☞ P.61 “Mobile charge”)

- Make settings for mobile charging.

6 About Device

- You can check the information about the device.

7 Settings(☞ P.62 “Settings”)

- You can make settings for each of the device functions.

- The displayed data usage is an approximation. You can check the actual data usage on My docomo.
- Depending on the usage environment and connected Wi-Fi devices, it may take time until these are connected, and data communication is enabled.

Using the touch panel

The operations to use the display (touch panel) are described below.

- Operations may differ depending on the function and screen in use.

Cautions when using the touch panel

- The touch panel is designed to be lightly touched with your finger. Do not forcefully press with your finger or a pointed object (fingernail, ballpoint pen, pin, etc.).
- In the following cases, the touch panel may not work even if you touch it. May cause a malfunction.
 - Operation with a gloved finger
 - Operation with the tip of a fingernail
 - Operation with foreign object placed on the operation pad
 - Operation on the touch panel on which a protective sheet, sticker, etc. is put
 - Operation while the touch panel is wet
 - Operation with fingers wet with sweat, water, etc.

■ Touch

Touch a key or an item displayed on the screen and then release your finger from it to select or set it.



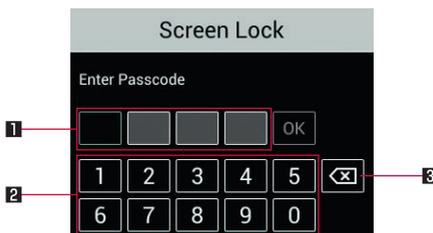
■ Slide (Swipe)

Move your finger while keeping it on the touch panel to scroll the screen.



Entering numbers

The number keyboard is displayed depending on the entry field.



1 Entry field

- A character can be entered at the position of the cursor.
- "●" may be displayed when a password or other secret information is entered.

2 Keyboard

- The keyboard for entering characters.

3 Delete key

- Delete the character to left side of the cursor.

About setup

There are a three methods to connect devices that will communicate with this device: a method that uses a Wi-Fi connection, a method that uses the USB cable, and a method that uses the cradle. Read the descriptions for each connection method and proceed with the setup procedures.

After the settings have been configured, simply turn on the Wi-Fi function of this device and Wi-Fi devices will connect automatically.

To perform data communications over a Wi-Fi connection

Up to 10 Wi-Fi devices can simultaneously connect to this device.

To change network and security settings, use the setting tool (☞ P.50 “Setting tool”).

To perform data communications over a USB cable connection

Even when using USB cable A to C 01 (sold separately) to connect a device to this device, up to 10 Wi-Fi devices can simultaneously connect to this device.

To perform data communications using the cradle

You can use the Internet while charging the device by connecting a commercially available LAN cable and AC adapter (sold separately) to Cradle SH01 provided with this product.

Information required for setup

- The following information is required when connecting a Wi-Fi device to this device. Check the “無線LAN初期設定 (Wireless LAN initial setting) sticker” (provided) that lists the initial settings of the device as necessary. You can also use the following operation to display the information on the device's display. In the home screen, select [Wi-Fi Guide] ▶ [Manual Connection] ▶ SSID
 - SSID
 - The name of the device on the network.
 - SSID A: SH-05La-XXXXXX
 - SSID B: SH-05Lb-XXXXXX
 - XXXXXX is the last six characters of the MAC address
 - Password
 - Depending on the Wi-Fi device, this may be labeled the “Wi-Fi password” or “Security key”, but these terms all mean the same thing.
 - To help protect your security, we recommend you change the factory default SSID and password.
- After setup (connecting devices to this device), set the network you will use with the setting tool (☞ P.53 “Network”).
These settings are not necessary if connecting to the network using sp-mode.

Checking supported devices

This section describes devices that are supported by this device. For the latest information on supported devices, refer to the DOCOMO website.

- Ensure that your computer has the latest updates installed.
- Operation through a USB hub (including the USB ports on monitors and keyboards) is not guaranteed.
- The USB connection may not work depending on your environment and devices. DOCOMO bears no responsibility for inquires and operational guarantees from using the device outside the supported operating environment.

■ Devices that can use the Wi-Fi connection

Wi-Fi devices that support the IEEE 802.11a/n/ac (5 GHz band) and IEEE 802.11b/g/n (2.4 GHz band) wireless LAN standards can connect to the device.

- Contact the manufacturer of your Wi-Fi device for more information on how to use it.

■ Devices that can use the USB connection

Supported operating systems are listed below.

- Windows 10 (32-bit/64-bit)
 - Windows 8.1* (32-bit/64-bit)
 - Windows 7 SP1 (32-bit/64-bit)
 - macOS Mojave 10.14.3 (64-bit)
 - macOS High Sierra 10.13.6 (64-bit)
 - macOS Sierra 10.12.6 (64-bit)
- * Window RT is not supported.

- Devices that support USB 2.0 or higher can use the USB connection.
- The device will be charged when connected over a USB connection.

■ Devices that can change settings of this device

Supported operating systems¹ are listed below.

- Windows 10 (32-bit/64-bit)
- Windows 8.1² (32-bit/64-bit)
- Windows 7 SP1 (32-bit/64-bit)
- macOS Mojave 10.14.3 (64-bit)
- macOS High Sierra 10.13.6 (64-bit)
- macOS Sierra 10.12.6 (64-bit)
- Android³
- iOS³

¹ The Japanese version of the operating system is supported. Operation cannot be guaranteed if the operating system has been upgraded or if additions/modifications are made to the environment.

² Window RT is not supported.

³ Not all menu items/setting items can be displayed. To display all items, touch [PC View]. For details, see the "View on portable device" column of "Menu list (web browser)" (P.66).

Connecting and communicating over Wi-Fi

This device can simultaneously connect to and perform data communications with multiple Wi-Fi devices, such as PCs and game consoles, using Wi-Fi.

- Depending on the usage environment and connected Wi-Fi devices, it may take time until these are connected, and data communication is enabled.

Connecting a typical Wi-Fi device

This example describes the procedure for a typical Wi-Fi device, such as a game console or mobile device.

Connecting using WPS (automatic connection)

If the Wi-Fi device supports the WPS push button method, you can easily set the SSID and security method required for the connection. Refer to the instruction manual for your Wi-Fi device to determine if it supports the WPS push button method.

- To use WPS, you must set [Security] on the device to [WPA2-PSK(AES)] or [WPA/WPA2-PSK(AES/TKIP)].

————— Device —————

1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

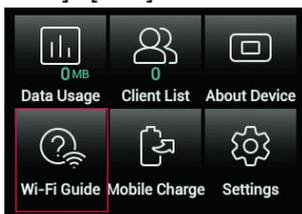
————— Wi-Fi device —————

2 Open the connection settings screen and set up the WPS connection as necessary.

- The operations will be depend on the Wi-Fi device. Refer to instruction manual for your Wi-Fi device.

————— Device —————

3 In the home screen, [Wi-Fi Guide] ▶ [WPS]



4 [Start WPS]



————— Wi-Fi device —————

5 Push the WPS button

- The operations will be depend on the Wi-Fi device. Refer to instruction manual for your Wi-Fi device.
 - It will take about two minutes until the setup procedures is completed.
 - The setup procedure is completed when [WPS connection successful.] is displayed on the device.
- When a device that used WPS setup is connecting to this device, other Wi-Fi devices may be disconnected.
- WPS setup may fail for Wi-Fi devices on which MAC address filtering has been set.

Connecting to the device by searching for the access point (manual connection)

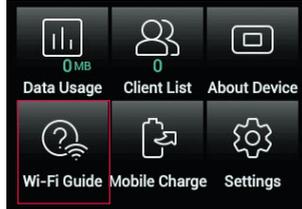
You can manually connect your Wi-Fi device to this device if it does not support WPS or if the WPS connection does not work.

————— Device —————

1 (power key) (for at least 2 seconds)

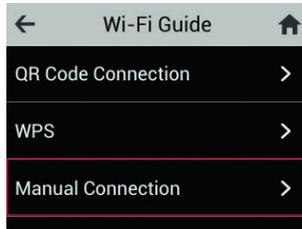
- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide]



3 [Manual Connection] ▶ select SSID to which to connect

- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].



————— Wi-Fi device —————

4 Open the connection settings screen and search for the access point

- If you turn on Wi-Fi on your Wi-Fi device and select the menu item with a label similar to "Connect to access point" or "Search," the list of nearby access points will be displayed.
- The operations will be depend on the Wi-Fi device. Refer to instruction manual for your Wi-Fi device.

5 Select the item that displays the SSID of the device from the list of access points.

6 Enter the password and save the settings

- Depending on the Wi-Fi device, a security (encryption mode) selection screen may be displayed. Select the same encryption mode that was set for [Security] on the device (🔒 P.55 "Wi-Fi settings").

Connecting a Windows PC

These examples describe the procedures for Windows 10, Windows 8.1, and Windows 7.

For details, refer to the instruction manual for your PC.

■ Windows 10

This example describes the procedure when using a mouse. For how to use a touch panel or other input device, refer to the instruction manual for your PC.

Connecting using WPS (automatic connection)

You can easily set the SSID and security method required for the connection by using WPS.

- To use WPS, you must set [Security] on the device to [WPA2-PSK(AES)] or [WPA/WPA2-PSK(AES/TKIP)].

————— Device —————

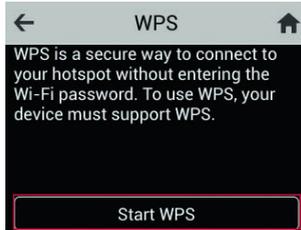
1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide] ▶ [WPS]



3 [Start WPS]

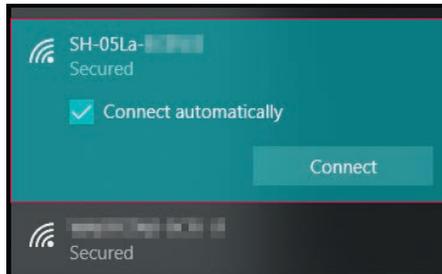


_____ PC _____

4 Turn on Wi-Fi

5 Click on the task tray

6 Select the SSID of the device, select the [Connect automatically] check box, and then click [Connect]



- A message about PC sharing may be displayed. For a share on the PC, refer to Windows help.
- It will take about two minutes until the setup procedure is completed.
- The setup procedure is completed when [WPS connection successful.] is displayed on the device.

- When a device that used WPS setup is connecting to this device, other Wi-Fi devices may be disconnected.
- WPS setup may fail for Wi-Fi devices on which MAC address filtering has been set.

Connecting to the device by searching for the access point (manual connection)

You can connect the PC manually if the WPS connection does not work.

_____ Device _____

1 (power key) (for at least 2 seconds)

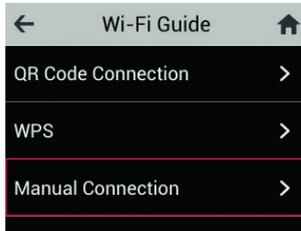
- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide]



3 [Manual Connection] ► select SSID to which to connect

- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].

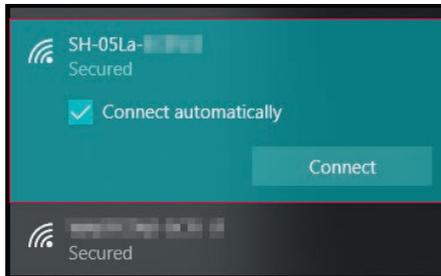


_____ PC _____

4 Turn on Wi-Fi

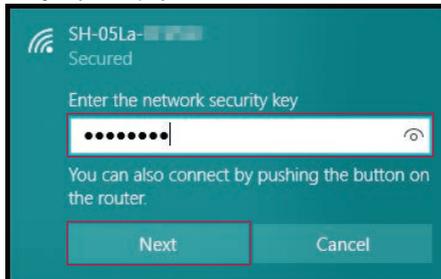
5 Click on the task tray

6 Select the SSID of the device, select the [Connect automatically] check box, and then click [Connect]



7 Enter the password and click [Next]

- A message about PC sharing may be displayed. For a share on the PC, refer to Windows help.



■ Windows 8.1

This example describes the procedure when using a mouse. For how to use a touch panel or other input device, refer to the instruction manual for your PC.

Connecting using WPS (automatic connection)

You can easily set the SSID and security method required for the connection by using WPS.

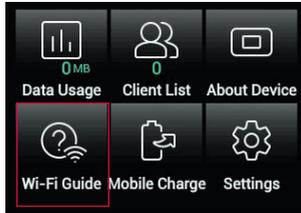
- To use WPS, you must set [Security] on the device to [WPA2-PSK(AES)] or [WPA/WPA2-PSK(AES/TKIP)].

————— Device —————

1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide] ▶ [WPS]



3 [Start WPS]



————— PC —————

4 Turn on Wi-Fi

5 Point the mouse at the top right of the desktop, move the mouse down, and then click (Settings) on the displayed menu (Charms)

6 Click (Wi-Fi available)

7 Select the SSID of the device, select the [Connect automatically] check box, and then click [Connect]



- A message about PC sharing may be displayed. For a share on the PC, refer to Windows help.
- It will take about two minutes until the setup procedure is completed.
- The setup procedure is completed when [WPS connection successful.] is displayed on the device.

- When a device that used WPS setup is connecting to this device, other Wi-Fi devices may be disconnected.
- WPS setup may fail for Wi-Fi devices on which MAC address filtering has been set.

Connecting to the device by searching for the access point (manual connection)

You can connect the PC manually if the WPS connection does not work.

————— **Device** —————

1  (power key) (for at least 2 seconds)

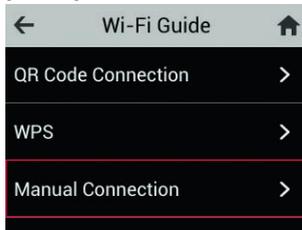
- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide]

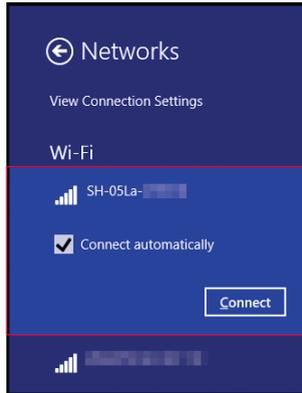


3 [Manual Connection] ▶ select SSID to which to connect

- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].



- 4 Turn on Wi-Fi
- 5 Point the mouse at the top right of the desktop, move the mouse down, and then click  (Settings) on the displayed menu (Charms)
- 6 Click  (Wi-Fi available)
- 7 Select the SSID of the device, select the [Connect automatically] check box, and then click [Connect]



8 Enter the password and click [Next]

- A message about PC sharing may be displayed. For a share on the PC, refer to Windows help.



■ Windows 7

Connecting using WPS (automatic connection)

You can easily set the SSID and security method required for the connection by using WPS.

- To use WPS, you must set [Security] on the device to [WPA2-PSK(AES)] or [WPA/WPA2-PSK(AES/TKIP)].

Device

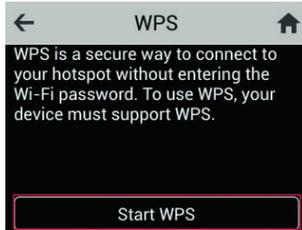
1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide] ▶ [WPS]



3 [Start WPS]

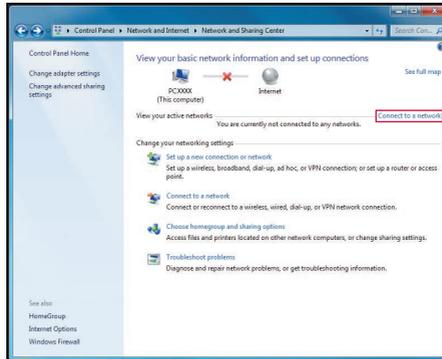


_____ PC _____

4 Turn on Wi-Fi

5 From the [Start] menu, click [Control Panel], and then click [Network and Internet] ▶ [Network and Sharing Center]

6 Click [Connect to a network]



7 Select the SSID of the device, select the [Connect automatically] check box, and then click [Connect]



- It will take about two minutes until the setup procedure is completed.
- The setup procedure is completed when [WPS connection successful.] is displayed on the device.

- When a device that used WPS setup is connecting to this device, other Wi-Fi devices may be disconnected.
- WPS setup may fail for Wi-Fi devices on which MAC address filtering has been set.

Connecting to the device by searching for the access point (manual connection)

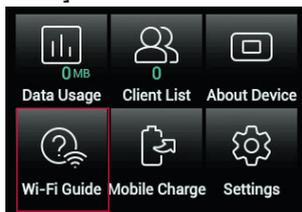
You can connect the PC manually if the WPS connection does not work.

Device

1 (power key) (for at least 2 seconds)

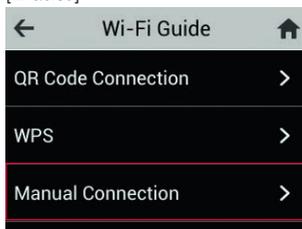
- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide]

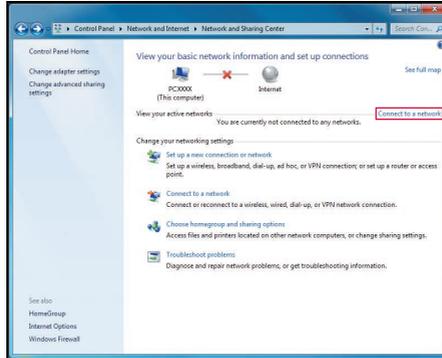


3 [Manual Connection] ▶ select SSID to which to connect

- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].



- 4 Turn on Wi-Fi
- 5 From the [Start] menu, click [Control Panel], and then click [Network and Internet] ► [Network and Sharing Center]
- 6 Click [Connect to a network]



- 7 Select the SSID of the device, select the [Connect automatically] check box, and then click [Connect]



- 8 Enter the password and click [OK]



Connecting a Mac

This example describes the procedure for macOS Mojave 10.14.3. The windows may differ depending on your version of macOS.

Device

1 (power key) (for at least 2 seconds)

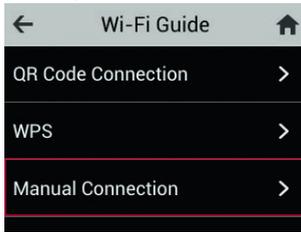
- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide]



3 [Manual Connection] ► select SSID to which to connect

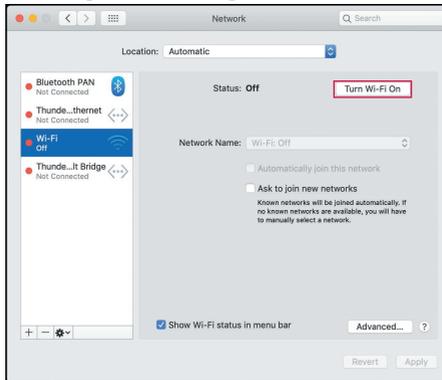
- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].



PC

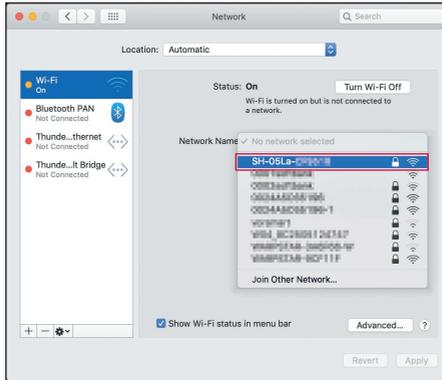
4 From the Apple menu, click [System Preferences], and then click [Network]

5 Click [Wi-Fi], and then click [Turn Wi-Fi On] to turn on Wi-Fi



- If the [Ask to join new networks] check box is selected, the message [None of your preferred networks are available.] may be displayed when Wi-Fi is turned on. In this case, click [Cancel] and return to the [Network] window.

6 Select the SSID of the device from the [Network Name] pulldown list.



7 Enter the password in the [Password] field, select the [Remember this network] check box, and then click [Join]



Connecting an Android device

The operations and screens will depend on your Android device and its version of Android. For details, refer to the instruction manual for your Android device.

Connecting using WPS (automatic connection)

If the Android device supports the WPS push button method, you can easily set the SSID and security method required for the connection. Refer to the instruction manual for your Android device to determine if it supports the WPS push button method.

This example describes the procedure for Android 8.1.

- To use WPS, you must set [Security] on the device to [WPA2-PSK(AES)] or [WPA/WPA2-PSK(AES/TKIP)].

————— Device —————

1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

————— Android —————

2 In the applications list screen, select [Settings] ▶ [Network & Internet] ▶ [Wi-Fi]

3 Set [Wi-Fi] to ON

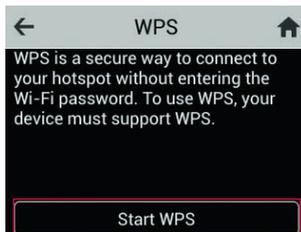
4 [Wi-Fi preferences] ▶ [Advanced] ▶ [WPS Push Button]

————— Device —————

5 In the home screen, [Wi-Fi Guide] ▶ [WPS]



6 [Start WPS]



- It will take about two minutes until the setup procedure is completed.
- The setup procedure is completed when [WPS connection successful.] is displayed on the device.

- When a device that used WPS setup is connecting to this device, other Wi-Fi devices may be disconnected.
- WPS setup may fail for Wi-Fi devices on which MAC address filtering has been set.

Connecting to the device by searching for the access point (manual connection)

You can manually connect your Android device to this device if it does not support WPS or if the WPS connection does not work.

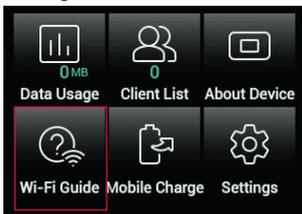
This example describes the procedure for Android 9 Pie.

————— Device —————

1 (power key) (for at least 2 seconds)

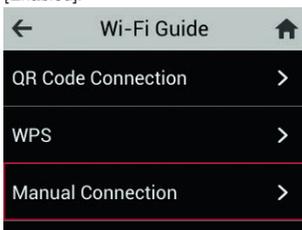
- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide]



3 [Manual Connection] ▶ select SSID to which to connect

- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].

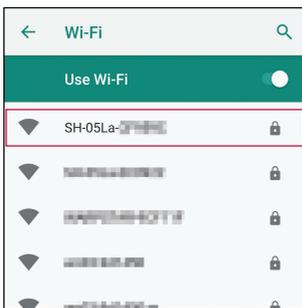


————— Android —————

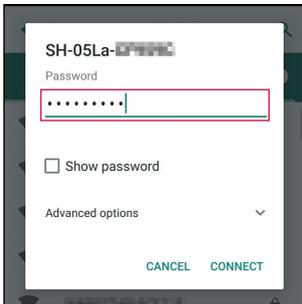
4 In the applications list screen, select [Settings] ▶ [Network & Internet] ▶ [Wi-Fi]

5 Set [Wi-Fi] to ON

6 Touch the SSID of the device from the list screen



7 Enter password correctly ▶ [CONNECT]



Connecting using the QR code display function of the device

You can automatically connect a device to this device by reading the QR code displayed on this device with the camera on the connecting device.

This example describes the procedure for Android 9 Pie.

- The QR code reader installed on your Android device may not be able to automatically perform Wi-Fi settings. Install the QR code reader from the link below.
http://k-tai.sharp.co.jp/support/d/sh05l/peripherals/qrapl.html?utm_source=guide&utm_medium=qrsh05l&utm_campaign=product_leaf

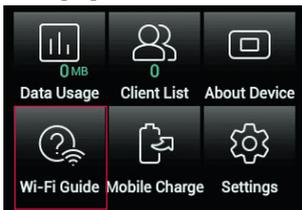


Device

1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide] ▶ [QR Code Connection]



- A QR code will be displayed on the device.

Android

3 Start the app that will read the QR code.

4 Read the QR code displayed on the device with the camera ▶ Follow the instructions on the screen

- The connecting device will be connected to the device.

- If the device cannot automatically connect to this device even by reading the QR code with the recommended apps, use WPS or search for the access point.

Connecting an iPhone/iPod touch/iPad

Connecting to the device by searching for the access point (manual connection)

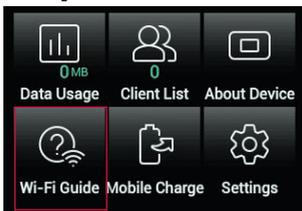
This example describes the procedure for an iPhone (iOS 12.3.1).

Device

1 (power key) (for at least 2 seconds)

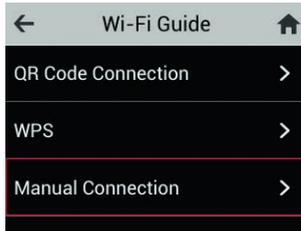
- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide]



3 [Manual Connection] ▶ select SSID to which to connect

- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].



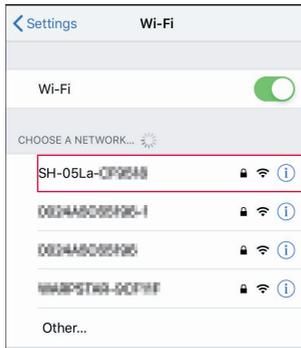
————— iPhone —————

4 In the home screen, [Settings] ▶ [Wi-Fi]

5 Set [Wi-Fi] to ON



6 Touch the SSID of the device from the list screen



7 Enter password correctly ▶ [Join]



Connecting using the QR code display function of the device

You can automatically connect a device to this device by reading the QR code displayed on this device with the camera on the connecting device.

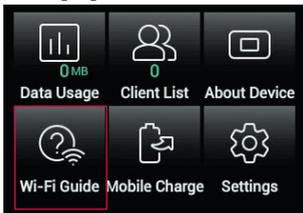
This example describes the procedure for an iPhone (iOS 12.3.1).

_____ Device _____

1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide] ▶ [QR Code Connection]



- A QR code will be displayed on the device.

_____ iPhone _____

3 Read the QR code using the camera ▶ Follow the instructions on the screen

- The connecting device will be connected to the device.

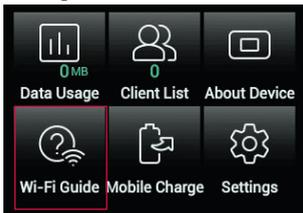
Connecting a Nintendo Switch

_____ Device _____

1 (power key) (for at least 2 seconds)

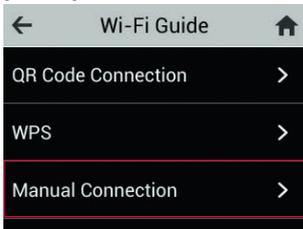
- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

2 In the home screen, [Wi-Fi Guide]

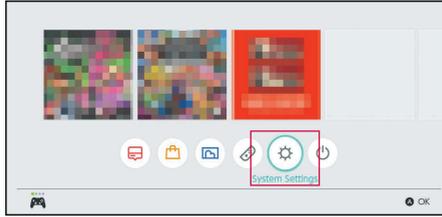


3 [Manual Connection] ▶ select SSID to which to connect

- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].



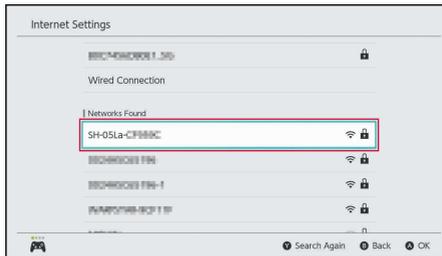
4 In the HOME menu, [System Settings]



5 [Internet] ▶ [Internet Settings]



6 Touch the SSID of the device from the list screen



7 Enter password correctly ▶ [OK]



- The settings will be saved. The setup procedure is completed when a connection successful message is displayed.

Connecting a Nintendo 3DS

This example describes the procedure for Nintendo 3DS/3DS LL.

- All screenshots used in this procedure are from the Nintendo 3DS.

Device

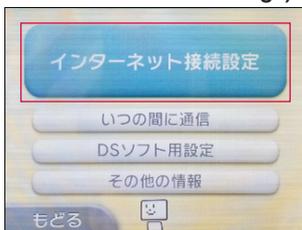
1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

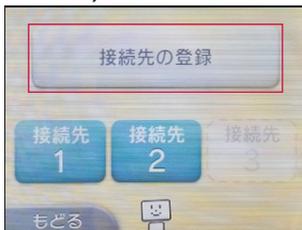
Nintendo 3DS

2 From the HOME menu, [本体設定] (Settings) ▶ [はじめる] (Start) ▶ [インターネット設定] (Internet Settings)

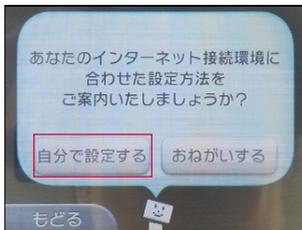
3 [インターネット接続設定] (Internet Connection Settings)



4 [接続先の登録] (Register connection)



5 [自分で設定する] (Set by yourself)



Connecting using WPS (automatic connection)

You can easily set the SSID and security method required for the connection by using WPS.

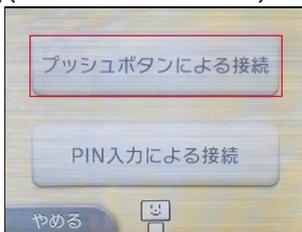
- To use WPS, you must set [Security] on the device to [WPA2-PSK(AES)] or [WPA/WPA2-PSK(AES/TKIP)].

———— Nintendo 3DS ————

1 [Wi-Fi PROTECTED SETUP] (WPS)

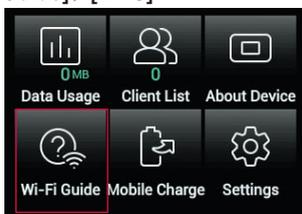


2 [プッシュボタンによる接続] (Push button connection)

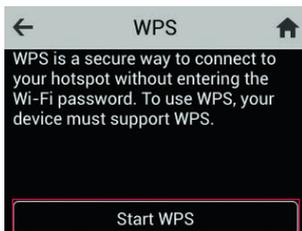


———— Device ————

3 In the home screen, [Wi-Fi Guide] ▶ [WPS]



4 [Start WPS]



- It will take about two minutes until the setup procedures is completed.

———— Nintendo 3DS ————

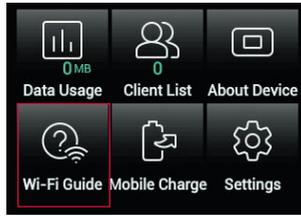
5 [OK]

- The connection test will start. The setup procedure is completed when a connection successful message is displayed.

Connecting to the device by searching for the access point (manual connection)

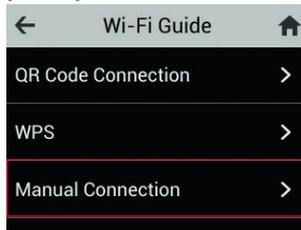
————— Device —————

1 In the home screen, [Wi-Fi Guide]



2 [Manual Connection] ▶ select SSID to which to connect

- The SSID, password, and security (encryption mode) of the device will be displayed.
- If [SSID B] was selected, turn on [Enabled].

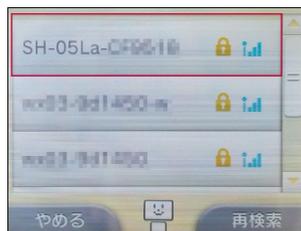


————— Nintendo 3DS —————

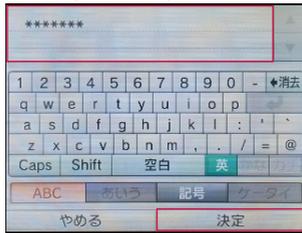
3 [アクセスポイントを検索] (Search for access points)



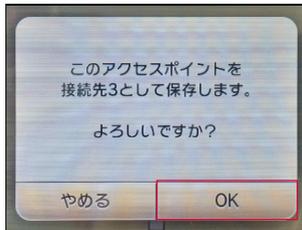
4 Touch the SSID of the device from the list screen



5 Enter password correctly ▶ [決定] (Decision)



6 [OK]



7 [OK]

- The connection test will start. The setup procedure is completed when a connection successful message is displayed.

Connecting and communicating over the USB cable

You can directly connect the device to a PC with USB cable A to C 01 (sold separately) for data communications.

■ Connecting the device to a PC

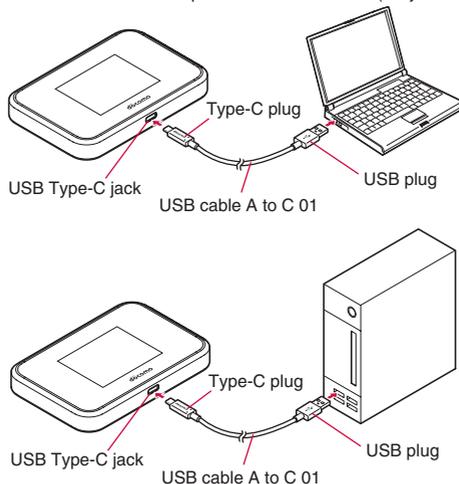
1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

2 Plug the Type-C plug on USB cable A to C 01 horizontally into the USB Type-C connection jack on the device into which a docomo nano UIM card has been inserted

3 Connect the USB plug of USB cable A to C 01 into a USB jack on the PC

- If the device was successfully connected to the PC, the USB connection function will start and the PC will automatically connect to the Internet. Note that packet communications (subject to billing) will occur.



■ Disconnecting the device from the PC

Confirm that data communications have ended, and then disconnect the device.

1 Disconnect USB cable A to C 01 horizontally from the device and the PC

- If USB cable A to C 01 is disconnected from the PC during data communications, data communications will be interrupted which may cause a malfunction or loss of data.
- The device may not operate correctly if the PC goes into standby (suspend/resume/sleep) or hibernation while the device is connected. Always disconnect the device before putting the PC into standby or hibernation.
- The device may not operate correctly if the PC is restarted or the power is turned on while the device is connected. Disconnect the device before starting the PC.

Connecting and communicating using the cradle

You can use this device as a wired router by connecting it to Cradle SH01 (provided).

A PC connected to the cradle with a LAN cable can connect to the Internet using the device's LTE line.

- Always connect the cradle to a power outlet using AC Adapter 07 (sold separately).
- When using the cradle, Wi-Fi devices can also connect to the device at the same time.

1 Insert the Type-C plug of the AC adapter horizontally into the USB Type-C connection jack for power supply on the cradle

2 Insert the AC adapter power plug into an outlet

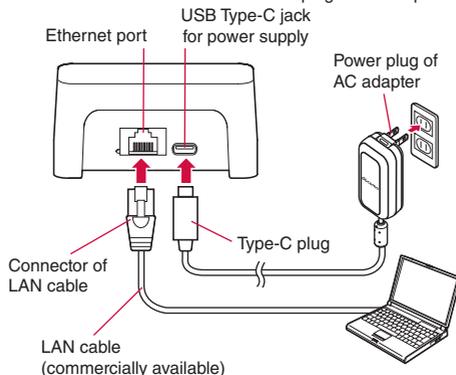
- The power lamp on the cradle illuminates.

3 Plug the connector on one end of the LAN cable into the Ethernet port on the cradle

- Carefully check the direction of the LAN cable connector and plug it into the port horizontally.

4 Plug the connector on the other end of the LAN cable into the Ethernet port on the PC

- Carefully check the direction of the LAN cable connector and plug it into the port horizontally.

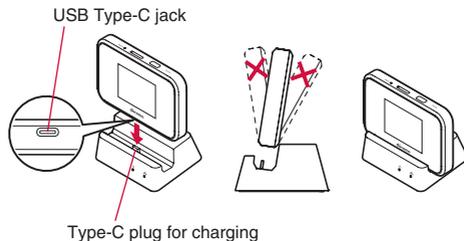


5 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and [🌐] will be displayed. The device will automatically connect to the Internet with the default settings. [📶] will be displayed if the device successfully connects to the Internet.

6 With the USB Type-C connection jack on the device facing down, connect the device straight onto the USB Type-C plug for charging on the cradle.

- The Ethernet lamp on the cradle illuminates.



- When disconnecting the device from the cradle, pull it straight out of the USB Type-C plug for charging on the cradle. There may be damage if the device and cradle are not properly aligned when connecting and disconnecting the device.

Setting tool

You can configure the various functions of the device using a web browser from a PC or mobile device connected to the device. This example describes the procedure when the PC is connected over Wi-Fi. The screens may differ depending on your operating system and web browser.

- For details on connecting to the device (☞ P.24 “Setup”)
- If you change [MAC Address Filtering] or [Wi-Fi Settings] with the setting tool from a PC or mobile device connected over Wi-Fi, the Wi-Fi connection may be lost. Note that you may need to change the settings on the PC or mobile device to reconnect to the device. Additionally, making changes using the setting tool is possible over USB using a USB cable for data communications, or through a wired LAN connection using a cradle.
- The setting tool cannot be viewed or used to configure settings on multiple PCs and mobile devices at the same time.
- A portion of the functions can also be set on the device (☞ P.60 “Settings (Device menu)”).
- The setting tool can be used when the device display is off or when the touch panel lock screen is displayed.
 - If a screen other than the touch panel lock screen is displayed on the device display while making settings with the setting tool, the settings may be canceled and you may be logged out of the setting tool.
 - You may not be able to immediately log into the setting tool after the device display is turned off. Log in again after waiting briefly.
- To display the setting tool from a PC or mobile device connected over Wi-Fi on [SSID B], set [Access the Web Interface] to [Deny] (☞ P.55 “Basic”).

Supported web browsers

The device supports the following web browsers.

For Windows

- Windows 7 SP1/32-bit and 64-bit: Microsoft Internet Explorer 11 or later*
- Windows 8.1/32-bit and 64-bit: Microsoft Internet Explorer 11 or later*
- Windows 10/32-bit and 64-bit: Microsoft Edge 44 or later, Internet Explorer 11 or later*
- Google Chrome™ 43 or later

* Even in supported versions of Microsoft Internet Explorer and Microsoft Edge, if an old document mode is used, the display may be corrupt. Check that the document mode is the latest version.
For details on the document mode, contact Microsoft.

For Mac

- Safari 9.0 or later
- Google Chrome 43 or later

For Android devices

- Google Chrome 43 or later

For iPhone/iPod touch/iPad

- Safari 9.0 or later

Display setting tool

■ For Windows/Mac

- 1 Start the PC and connect to the device
- 2 Start the web browser and enter “http://(host IP Address of the device)” or “http://web.setting” in the address bar
 - The default setting for [Host IP Address] is “192.168.128.1” (☞ P.54 “DHCP server”).
 - If the Setting Tool screen is displayed in Japanese, switch the [Language] displayed on the upper right to [English].
 - The setting tool [Home] screen will be displayed.
- 3 Click [Login] ► Enter password ► Click [Login]
 - Enter uppercase and lowercase characters correctly.
 - The default password is “admin”.
 - When you use “admin” for the password, a message will be displayed asking you to change the password each time you log in. Click [OK] to change the password by following the instructions on the screen, and keep the password secret. 8 to 32 single-byte alphanumeric characters/symbols can be set.

Ending the session

In the setting tool screen, click [Logout]

■ For Android devices/iPhone/iPod touch/iPad

1 Connect the Android devices/iPhone/iPod touch/iPad to the device

2 Start the web browser and enter “http://(host IP Address of the device)” or “http://web.setting” in the address bar

- The default setting for [Host IP Address] is “192.168.128.1” (設定 P.54 “DHCP server”).
- When the Setting Tool screen, is displayed, switch the [言語] (Language) displayed on the upper right to [English].
- The setting tool [Home] screen will be displayed.

3 [Login] ▶ Enter password ▶ [Login]

- Enter uppercase and lowercase characters correctly.
- The default password is “admin”.
- When you use “admin” for the password, a message will be displayed asking you to change the password each time you log in. Touch [OK] to change the password by following the instructions on the screen, and keep the password secret. 8 to 32 single-byte alphanumeric characters/symbols can be registered.

Ending the session

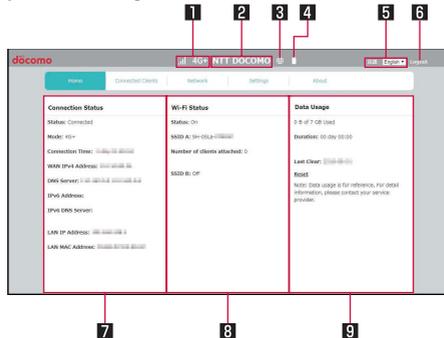
In the setting tool screen, touch [Logout].

- You will be logged out automatically if no operations are performed for approximately 5 minutes. Be aware that any items that were entered will be deleted.

Setting tool screen layout

The settings and information screens for the functions and icon menus are displayed on the setting tool home screen.

This example describes the procedure using a PC.



1 Signal strength

- [] to []: Signal level (five steps)
- When 4G (LTE)/3G can be used, [4G+]/[3G] is displayed on the right side of the signal strength.
- While connecting to LTE, [4G+] is displayed all the time.
- A small [R] is displayed at the upper left of the signal mark during international roaming.

2 Connected network name label

- Displays the connected network name (network operator).

3 Internet connection indicator

- Indicates that the device is connected to the Internet and data communications are enabled.
- [] will be displayed if the device is disconnected.

4 Battery level

5 言語 (Language)

- Switches the display language.

6 Logout

7 Connection Status

- Displays the connection status.

8 Wi-Fi Status

- Displays the number of devices connected to each SSID.

9 Data Usage

- Displays the amount of data that was used. You can also check the data usage limit, the elapsed since the data usage was last reset, and the date of the last reset.

● The displayed data usage is an approximation. You can check the actual data usage on My docomo.

Connected clients

Set MAC address filtering (a function that allows you to restrict by MAC address Wi-Fi devices that can connect).

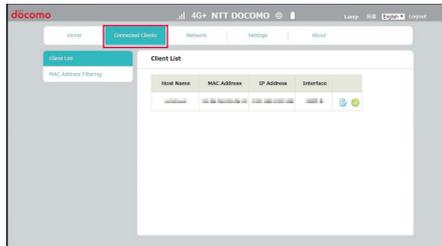
- If using MAC address filtering, then add the Wi-Fi devices for which to allow connection, and set to [Enabled]. If the Wi-Fi device displaying the setting tool screen is not allowed to connect, then the connection will be denied, and changing of settings will not be possible.

■ Adding MAC address

If [MAC Address Filter] is set to [Enabled], set [MAC Address] for devices that will be allowed to connect to this device.

1 In the setting tool screen, click [Connected Clients]

- The Connected Clients screen is displayed, and a list of information on the current connected terminal is displayed.
 - Change host name: Click [📄] ▶ edit settings ▶ Click [OK] (Only single-byte alphanumeric characters can be used.)
 - Add MAC address to [MAC Address Filtering]: Click [🟢] ▶ [OK]



2 Click [MAC Address Filtering]

3 Click [Add More]

4 Enter [Description] field and [MAC Address] field

- You can register up to 10 MAC addresses of Wi-Fi devices that will be allowed to connect to the device.

5 Click [OK] ▶ [OK]

- The added MAC addresses will be displayed in the list.
 - To edit an added MAC address: Click [📄] ▶ edit settings ▶ Click [OK] ▶ [OK]
 - To delete an added MAC address: Click [🗑️] ▶ [OK]

■ Enabled/disabled MAC address filtering

1 In the Connected Clients screen, click [MAC Address Filtering]

2 Click [Enabled] or [Disabled] for the [MAC Address Filter]

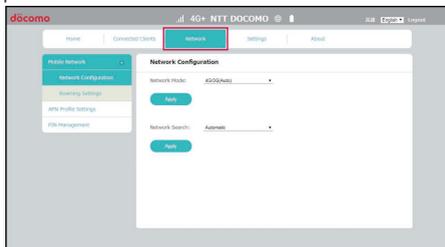
3 Click [Apply]

Network

You can set the mobile network, APN profile settings, and PIN code for the docomo nano UIM card.

1 In the setting tool screen, click [Network]

- The Network screen appears.



2 Set the following items

- For the setting ranges and default values [☞ P.66 "Menu list \(web browser\)"](#)
 - **Mobile Network:** Make settings for mobile networks.
 - **Network Configuration:** For details [☞ P.53 "Network configuration"](#)
 - **Roaming Setting:** Set whether to enable international roaming.
 - **APN Profile Settings:** For details [☞ P.53 "APN profile settings"](#)
 - **PIN Management:** For details [☞ P.53 "PIN management"](#)

3 Click [Apply]

■ Network configuration

Set the network mode and network operator to use for the mobile network.

1 In the Network screen, click [Mobile Network] ▶ [Network Configuration]

2 Set the following items

- For the setting ranges and default values [☞ P.66 "Menu list \(web browser\)"](#)
 - **Network Mode:** Select the network mode.
 - **Network Search:** Set the search method for network operators.
 - When manually selecting the network operator [☞ P.65 "Network operator settings"](#)

3 Click [Apply]

■ APN profile settings

Set the APN (access point name).

1 In the Network screen, click [APN Profile Settings]

- Displays the current connected APN profile.

2 Select the APN profile to use in the [APN for network attach]

- Click [New] to add an APN profile. However, adding an [APN for network attach] with the same details as an already added APN profile is not allowed.
- When using the added APN profile on this device, then in the [APN for network attach] select the APN profile to use, and click [Apply].
- Selecting the added APN profile in the [APN for network attach] displays its registered settings. APN profiles can be edited and deleted by clicking [Edit] and [Delete]. However, the default profiles [spモード] (sp mode) and [mopera U] cannot be edited or deleted.

3 Click [Apply] ▶ [OK]

- If an APN profile has been changed in the [APN for network attach], then this device will automatically reboot.

■ PIN management

You can set a PIN code for the docomo nano UIM card. For details on PIN code [☞ P.17 "Security codes"](#)

1 In the Network screen, click [PIN Management]

2 Set the following items

- For the setting ranges and default values [☞ P.66 "Menu list \(web browser\)"](#)
 - **PIN Lock:** Set whether to protect against unauthorized use by entering a PIN code when the power is turned on.
 - **PIN:** You can set the PIN code when [PIN Lock] is set to [Enabled].

Settings

LAN settings

You can set the DHCP server (that allocates IP addresses to devices on the LAN), firewall (that prevents invalid access from the Internet), and other functions.

■ DHCP server

Set the DHCP server (that allocates IP addresses to devices on the LAN).

1 In the setting tool screen, [Settings] ▶ [LAN Settings]

2 Click [DHCP Server]

3 Set the following items

- For the setting ranges and default values  P.66 "Menu list (web browser)"
- **Host IP Address:** Set the host IP address of the device.
- **Host Subnet Mask:** Set the host subnet mask.
- **DHCP Server:** Set the DHCP function to [Enabled]/[Disabled].
- **DHCP Range:** Set the starting and ending IP addresses to allocated to Wi-Fi devices.
- **Lease Time(min):** Set the lease time for IP addresses.

4 Click [Apply]

■ Firewall

Set the firewall (that prevents invalid access from the Internet).

1 In the setting tool screen, [Settings] ▶ [LAN Settings]

2 Click [Firewall]

3 Set the following items

- For the setting ranges and default values  P.66 "Menu list (web browser)"
- **IP Address Filtering:** Set the firewall that filters IP addresses to [Enabled]/[Disabled].
- **WAN Port Ping Block:** Set the firewall that blocks pings from the WAN port to [Enabled]/[Disabled].

4 Click [Apply]

■ IP address filtering

For communications with the Internet, the device will judge whether to allow passage through the firewall from each address on the LAN side (sender) and WAN side (destination) according to the rules that are set.

1 In the setting tool screen, [Settings] ▶ [LAN Settings]

2 Click [IP Address Filtering]

3 Click [Blacklist] or [Whitelist] for the [Filter mode]

4 Click [Add Rule]

5 Set the following items

- For the setting ranges and default values  P.66 "Menu list (web browser)"
- **LAN IP Address:** Set the IP address of the device on the LAN side (sender) to which to apply the rule.
- **LAN Port:** Set the port number or range of port numbers on the LAN side (sender) to which to apply the rule.*
- **WAN IP Address:** Set the IP address of the device on the WAN side (destination) to which to apply the rule.
- **WAN Port:** Set the port number or range of port numbers on the WAN side (destination) to which to apply the rule.*
- **Protocol:** Select the protocol to which to apply the rule.
- **IP Type:** Set the IP type to which to set filtering.

6 Click [OK]

- You can register up to 10 IP address filtering rules by repeating steps 4 to 6.
- The added rules will be displayed in the list.
 - To edit an added rule: Click  ▶ edit settings ▶ Click [OK]
 - To delete an added rule: Click  ▶ [OK]

* If specifying a range of port numbers, insert a hyphen (-) between numbers (Example: 100-200).
If not specifying a range of port numbers, then insert an asterisk (*) (Example: *).

■ Port mapping

Set rules to allow access from the Internet to a specific device on the LAN. Set rules to make servers and FTP public and to use certain online games and messaging software.

1 In the setting tool screen, [Settings] ▶ [LAN Settings]

2 Click [Port Mapping]

3 Click [Add Rule]

4 Set the following items

- For the setting ranges and default values (☞ P.66 "Menu list (web browser)")
- **Rule Name:** Give a name to the port mapping rule.
- **WAN Port:** Set the port number on the WAN side (sender) to which to apply the rule.*
- **LAN IP Address:** Set the IP address of the device on the LAN side to make public as a server.
- **LAN Port:** Set the destination port number when packets are transferred to the specific device on the LAN side that is made public. If the port number does not need to be changed, set the same value as [WAN Port].
- **Protocol:** Select the protocol to which to apply the rule.*

5 Click [OK] ▶ [OK]

- You can register up to 10 port mapping rules by repeating steps 3 and 5.
- The added rules will be displayed in the list.
 - To edit an added rule: Click [✎] ▶ edit settings ▶ Click [OK] ▶ [OK]
 - To delete an added rule: Click [🗑] ▶ [OK]

* If multiple or duplicated WAN port or protocol values exist, then the latest rule will be applied.

■ DMZ

You can set a specific device on the LAN as a DMZ host that is isolated from other devices. This allows you to make the device public as a web server or use online games and other software without setting specific port number.

1 In the setting tool screen, [Settings] ▶ [LAN Settings]

2 Click [DMZ]

3 Set the following items

- For the setting ranges and default values (☞ P.66 "Menu list (web browser)")
- **DMZ:** Set the DMZ to [Enabled]/[Disabled].
- **DMZ address:** Set the IP address of the DMZ host. This setting is displayed when [DMZ] is set to [Enabled].

4 Click [Apply]

■ VPN pass-through

Set VPN pass-through to pass through packets of a VPN client that has a private address on the LAN to the Internet side.

1 In the setting tool screen, [Settings] ▶ [LAN Settings]

2 Click [VPN Pass-through]

3 Click [Enabled]/[Disabled] for the [VPN Pass-through setting]

4 Click [Apply]

Wi-Fi settings

■ Basic

You can set the basic Wi-Fi functions.

1 In the setting tool screen, [Settings] ▶ [Wi-Fi Settings]

2 Click [Basic]

3 Set the following items

- For the setting ranges and default values (☞ P.66 "Menu list (web browser)")
- **Wi-Fi:** Set Wi-Fi on the device to [Enabled]/[Disabled].
- **Multi-SSID:** Set Multi-SSID to [Enabled]/[Disabled].
- **Multi-SSID AP Isolation:** Set whether to use communications between SSID A and SSID B. This setting is displayed when [Multi-SSID] is set to [Enabled].
- **Max Number of Connected Clients(1-10):** Set the maximum number of clients that can connect to the device when using Wi-Fi.

- **Show SSID and security key on Touch Screen:** Set whether to show the SSID, password, and security (encryption mode) of the device when [Wi-Fi Guide] ► [Manual Connection] ► SSID is selected on the home screen of the device.
- **Interface:** Select the interface (SSID A, SSID B). This can be selected when [Multi-SSID] is set to [Enabled].
 - A QR code will be displayed on the right side of the selected interface that can be used to connect to Wi-Fi by reading the QR code with the camera on a smartphone or other device.
 - The items below [SSID] are set for the selected interface.
- **SSID:** Set the network name (SSID).
- **Security:** Select the security. If [WEP] is selected, the security will be set as the WEP encryption mode.
- **Password:** Specify the password to use. This setting is displayed when [Security] is set to [WPA2-PSK(AES)] or [WPA/WPA2-PSK(AES/TKIP)].
 - Select the [hidden] check box and the entered password will be displayed with "●".
- **WEP Key:** Specify the WEP key to use. This setting is displayed when [Security] is set to [WEP].
 - Select the [hidden] check box and the entered WEP key will be displayed with "●".
- **SSID Stealth:** Set whether to hide the SSID from Wi-Fi devices.
- **Privacy Separator:** Set whether to prohibit access between Wi-Fi devices connected to this device at the same time.
- **Access the Web Interface:** Set whether to allow the display of the setting tool (Web browser) from devices connected over Wi-Fi on [SSID B]. This setting is displayed when [Interface] is set to [SSID B].

4 Click [Apply] ► [OK]

- When you click [Reset Wi-Fi settings to default] ► [OK], all items in [Basic] under [Wi-Fi settings], [Wi-Fi Mode] in [Advanced], [Wi-Fi Channel], [Wi-Fi Bandwidth], and [TX Power] can be reset to the factory default settings.

■ Advanced

You can set advanced settings for Wi-Fi.

1 In the setting tool screen, [Settings] ► [Wi-Fi Settings]

2 Click [Advanced]

3 Set the following items

- For the setting ranges and default values (☞ P.66 "Menu list (web browser)")
- **Wi-Fi Mode:** Set the frequency band to use.
- **Wi-Fi Channel:** Set the channel to use.
- **Wi-Fi Bandwidth:** Set the bandwidth.
- **Sleep Mode:** Set sleep mode to [Enabled]/[Disabled].
 - Sleep mode automatically turns off Wi-Fi if the device is not used for a certain amount of time when no Wi-Fi devices are connected.
 - Sleep mode is not functioned in the following cases.
 - When the display is turned on
 - When charging with an AC adapter or a cradle
 - When communicating through a wired LAN connection using a cradle
 - During mobile charging
- **Sleep Mode Timer:** Set the time until Wi-Fi is automatically turned off when [Sleep Mode] are set.
- **TX Power:** Set the transmit power for Wi-Fi.
- **TCP NAT Timer:** Set the valid retention time in seconds of the dynamic conversion table for IP addresses/port numbers when the NAT is used for TCP.
- **UDP NAT Timer:** Set the valid retention time in seconds of the dynamic conversion table for IP addresses/port numbers when the NAT is used for UDP.

4 Click [Apply] ► [OK]

- [Wi-Fi Mode] cannot be set to [5 GHz] if the docomo nano UIM card is not inserted or during international roaming.
- If [Multi-SSID] is set to [Enabled], and SSID B is set to available, then [Wi-Fi Mode] will be reflected in both SSID A and SSID B. Different settings cannot be set to SSID A and SSID B. Accordingly, 2.4 GHz and 5 GHz frequency bands cannot be used at the same time.

■ WPS

A WPS connection can be started from the setting tool when using WPS to connect a Wi-Fi device.

1 In the setting tool screen, [Settings] ▶ [Wi-Fi Settings]

2 Click [WPS]

3 Click [Start]

- Click [Stop] when stopping a WPS connection after it has been started.

4 Use the Wi-Fi device and connect to the device

- For details on using a Wi-Fi device, see "Connecting and communicating over Wi-Fi" (P.26).

Device settings

You can make various settings for using the device.

■ Web UI Password

Set the login password for the setting tool.

- The default password is [admin].

1 In the setting tool screen, [Settings] ▶ [Device Settings]

2 Click [Web UI Password]

3 Enter the current password in [Current Password] and the new password in [New Password] and [Confirm Password]

4 Click [Apply]

■ Data Usage Settings

Set the amount of data communication using the mobile network.

Reset data usage information

You can reset the amount of data communication using the mobile network.

1 In the setting tool screen, [Settings] ▶ [Device Settings]

2 Click [Data Usage Settings]

- You can check the amount of data used for the current month, the last reset date, and the amount of time that has elapsed since the last reset.

3 Click [Reset]

Set a limit on data usage

You can set a limit on data usage for the current month.

- The default setting is [7 GB].

1 In the setting tool screen, [Settings] ▶ [Device Settings]

2 Click [Data Usage Settings]

3 Set the limit in the [Maximum Data Usage]

- The unit ([MB]/[GB]) can be selected.

4 Click [Apply]

- The displayed data usage is an approximation. You can check the actual data usage on My docomo.

■ USB mode

Set the USB communications standard.

- The default setting is [3.0].

1 In the setting tool screen, [Settings] ▶ [Device Settings]

2 Click [USB Mode]

3 Click [2.0] or [3.0] for the [USB Mode]

4 Click [Apply] ▶ [OK]

- If you change [USB Mode], the terminal restarts automatically.

■ Backup/Restore

The content set on the device can be saved to a PC and the saved setting information can be loaded into the device.

- You may not be able to specify a destination folder and file name depending on the web browser settings.
- For setting items that can be backed up and restored (☞ P.66 “Menu list (web browser)”

Backing up settings

- 1 In the setting tool screen, [Settings] ▶ [Device Settings]
- 2 Click [Backup / Restore] ▶ [Backup current settings]
- 3 Follow the instructions on the screen and save the file

Restoring settings

- 1 In the setting tool screen, [Settings] ▶ [Device Settings]
- 2 Click [Backup / Restore]
- 3 Click [Browse] ▶ Select a previously backed up setting information file
- 4 Click [Restore Configuration]
 - The settings will be loaded into the device, and the device will restart automatically.

■ Software update

The device can automatically check for new versions of its software, and a time can be set for automatic updates.

- For details on software updates, see “Software update” (☞ P.76).
- The default settings is that the device automatically updates at 4:00 AM when it has received information about a new software version.

Set automatic updates

The device will update its software automatically when it receives update information.

- 1 In the setting tool screen, [Settings] ▶ [Device Settings]
- 2 Click [Software Update]
- 3 Click [Enabled] for the [Automatic Update]
- 4 Enter the time to perform the automatic update in the [Automatic Update Time]
 - Data communications cannot be used during software updates. Set a time when the device will not be used.
- 5 Click [Apply]

Update the software immediately

- 1 In the setting tool screen, [Settings] ▶ [Device Settings]
- 2 Click [Software Update]
- 3 Click [Update] ▶ [OK]

■ Restore Default

The settings will be restored to the factory default settings.

- 1 In the setting tool screen, [Settings] ▶ [Device Settings]
- 2 Click [Restore Default]
- 3 Click [Restore Factory Settings]
- 4 Click [OK]
 - The device will restart automatically and the settings will be restored to the factory default settings.

■ Reboot

Restart the device immediately

- 1 In the setting tool screen, [Settings] ▶ [Device Settings]
- 2 Click [Reboot]
- 3 Click [Reboot]
- 4 Click [OK]
 - The device will restart.

Set automatic restarts

You can set the device to restart at the specified time after the specified number of days has elapsed.

- The default setting is [Disabled].

- 1** In the setting tool screen, [Settings] ► [Device Settings]
- 2** Click [Reboot]
- 3** Click [Enabled] for the [Automatic Reboot]
- 4** Set the number of days and time in [Automatic Reboot Time] field
- 5** Click [Apply]

About

You can check information about the device, such as the phone number of the docomo nano UIM card inserted in the device and the IMEI information (international mobile equipment identity number).

- 1** In the setting tool screen, click [About]

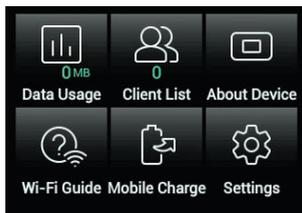
Settings (Device menu)

Device menu

You can change many of the settings and check the content of those settings from the menu on the device.

- However, a portion of the functions cannot be set on the device. You can set all functions by using the setting tool from a PC (☞ P.50 “Setting tool”).

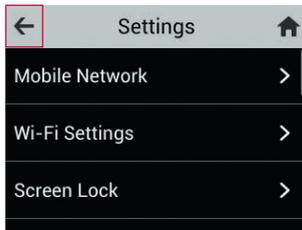
Start from the home screen.



Function	Description	Reference
Data Usage	You can check the data usage of the mobile network used for communications by the device. You can also set a limit on the amount of data used for communications by the device.	P.61
Client List	Displays a list of devices connected to the device.	-
About Device	Check the information about the device.	-
Wi-Fi Guide	You can connect a Wi-Fi device to the device by following the instructions on the screen.	P.24
Mobile Charge	Make settings for mobile charging.	P.61
Settings	Make advanced settings for the functions.	P.62

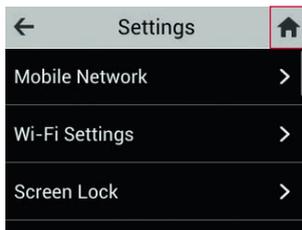
■ To return to the previous screen

- Touch [] at the top left of the screen



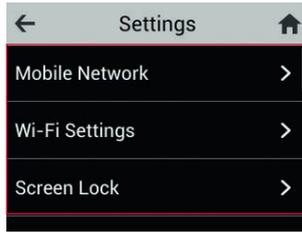
■ To return to the home screen

- Touch [] at the top right of the screen

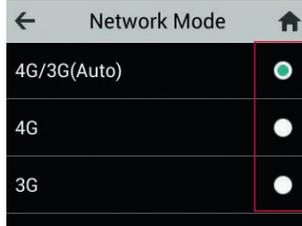


■ To select an item

- Touch the item to select.



- If / is displayed, touch to select it.



- If / is displayed, touch to turn it off, and touch to turn it on.



Data usage

You can set a limit on data usage for the current month.

- The default setting is [7 GB].

1 In the home screen, [Data Usage]

- Displays the current data usage and the maximum data usage.

2 [Data Usage Settings]

3 Enter the maximum data usage

- You can change the unit by touching [GB]/[MB].

- The displayed data usage is an approximation. You can check the actual data usage on My docomo.

Mobile charge

You can charge your smartphone, tablet or other device by connecting it to this device using the USB cable C to C 02 (sold separately).

1 In the home screen, [Mobile Charge]

2 [50%]/[30%] of the [Battery capacity to stop supplying]

3 [Supply]

4 Connect your smartphone or other device to this device with the USB cable C to C 02

Settings

Mobile network

Set the network mode to use for the mobile network, international roaming, and other settings.

1 In the home screen, [Settings] ▶ [Mobile Network]

2 Set the following items

- For the setting ranges and default values [☞ P.71](#) “Menu list (device menu)”
- **Network Mode:** For details [☞ P.65](#) “Network mode”
- **APN Profile Selection:** Select the APN profile.
- **International Roaming:** For details [☞ P.65](#) “International roaming”

Wi-Fi settings

Set Wi-Fi to [ON]/[OFF] and set the frequency band to use.

1 In the home screen, [Settings] ▶ [Wi-Fi Settings]

2 Set the following items

- For the setting ranges and default values [☞ P.71](#) “Menu list (device menu)”
- **Wi-Fi:** Set Wi-Fi on the device to [ON]/[OFF].
- **Wi-Fi Mode:** Set the frequency band to use.

- [Wi-Fi Mode] cannot be set to [5 GHz] if the docomo nano UIM card is not inserted or during international roaming.

Screen lock

Set whether password input is required to unlock the touch panel when turning on the display.

1 In the home screen, [Settings] ▶ [Screen Lock]

2 []/[] for the [Lock]

- When the setting is changed, enter the current four-digit password/new password following the instructions on the screen, and then touch [OK].
- When set to ON, touch [Modify Passcode], enter the current four-digit password and the new password, and then touch [OK].

Display

Set the display brightness and display timeout for when no operations are performed.

1 In the home screen, [Settings] ▶ [Display]

2 Set the following items

- For the setting ranges and default values [☞ P.71](#) “Menu list (device menu)”
- **Brightness:** Slide the bar to adjust the display brightness of the device.
- **Display Timeout:** Set the time until the device display is turned off when no operations are performed.

言語設定 (Language Setting)

Set the language that is used on the display.

- The default setting is [日本語] (Japanese).

1 In the home screen, [Settings] ▶ [言語設定] (Language Setting)

2 [日本語] (Japanese)/[English]

Time settings

Set the current time.

1 In the home screen, [Settings] ▶ [Time Settings]

2 Set the following items

- For the setting ranges and default values [☞ P.71](#) “Menu list (device menu)”
- **Automatic time zone:** Set whether to select the time zone automatically. If set to OFF, select the time zone to use in [Select time zone].
- **Use 24-hour format:** Set whether to display the time in the 24-hour format.

Software update

For details on software updates, see “Software update” (P.76).

Sleep mode

Set whether to automatically turn off Wi-Fi if the device is not used for a certain amount of time when no Wi-Fi devices are connected.

- Sleep mode is not functioned in the following cases.
 - When the display is turned on
 - When charging with an AC adapter or a cradle
 - When communicating through a wired LAN connection using a cradle
 - During mobile charging

1 In the home screen, [Settings] ▶ [Sleep Mode]

2 Set the following items

- For the setting ranges and default values (P.71 “Menu list (device menu)”
 - **Sleep mode**: Set whether to use sleep mode.
 - **Timeout**: Set the time until Wi-Fi is automatically turned off when [Sleep mode] is [ON].

USB mode

Set the USB communications standard.

- The default setting is [USB 3.0].

1 In the home screen, [Settings] ▶ [USB Mode]

2 Touch the current settings values ([USB 2.0]/[USB 3.0])

3 [USB 2.0]/[USB 3.0] ▶ [YES]

- The device will restart.

Fast boot

When set to ON, the device will start faster the next time the power is turned on. However, a larger amount of power will be consumed even when the power is turned off.

- The default setting is [ON].

1 In the home screen, [Settings] ▶ [Fast Boot]

2 [ON]/[OFF] for the [Fast Boot]

Advanced settings

You can check how to view the setting tool screen.

1 In the home screen, [Settings] ▶ [Advanced Settings]

Battery status

You can check the status of the device's internal battery.

1 In the home screen, [Settings] ▶ [Battery Status]

- The displayed information is an approximation.
- Contact the number listed in “Repairs” (in Japanese only) on the last page or a repair counter that DOCOMO specifies if the battery life becomes extremely shorter than at the time of purchase even after fully charged.

International Roaming

Outline of international roaming (WORLD WING)

International roaming (WORLD WING) is a service that allows you to use the device in the service area of DOCOMO affiliated overseas network operators when using the device overseas.

For details on the international roaming (WORLD WING), refer to the DOCOMO website.

<https://www.nttdocomo.co.jp/service/world/roaming/>

Available network

You can use the device in the LTE network and 3G network service areas. In addition, services are also available in countries and regions supporting 3G 850 MHz.

- 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 the DOCOMO website.

Available services overseas

Main communication service	LTE	3G	3G 850
Packet communication*	○	○	○

* Set [International Roaming] to ON to use packet communication when roaming (☞ P.65 “International roaming”).

- Some services may not be available depending on the network operator or network to connect to.
- Connected network operator can be checked in the home screen ☞ P.22 “Screen layout”.

Before use overseas

■ Checking before departure

Check the followings in Japan before using the device overseas.

Subscription

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

Charging battery

- For details on charging the battery, refer to the DOCOMO website.

Charge

- Overseas charges (packet communication charges) differ from those in Japan. For details, refer to the DOCOMO website.

■ Checking in your country of stay

The device automatically connects to the available network operator when you turn the power on in your country of stay.

Connection

When [Network Search] is set to [Automatic], the most suitable network is selected automatically (☞ P.65 “Network operator settings”).

Settings for use overseas

International roaming

You need to set [International Roaming] to [ON] to use packet communication overseas.

- 1 In the home screen, [Settings] ▶ [Mobile Network] ▶ [International Roaming] ▶ set to ON
 - When the confirmation screen is displayed, check the content and select [OK].

Network mode

Set a network to use.

- 1 In the home screen, [Settings] ▶ [Mobile Network] ▶ [Network Mode]
- 2 Set the following items
 - 4G/3G(Auto): Automatically switch to an available network.
 - 4G: Use LTE network.
 - 3G: Use 3G network.

Network operator settings

At the time of purchase, the device is set to automatically search for and switch to available networks. When you want to manually switch networks, set by performing following operations.

- Connect the device to a PC or other device in advance and log in on the setting tool screen (☞ P.50 "Display setting tool").

- 1 In the setting tool screen, click [Network] ▶ [Mobile Network] ▶ [Network Configuration]
- 2 Set [Network Search] to [Manual]
- 3 Click [Scan]
 - A search is made for available networks and the results are displayed.
- 4 Select a network operator
- 5 Click [Register]

Date & time

If [Automatic time zone] of Date & time are set to [ON], the device receives information on time and time differences from the network of a connected overseas network operator, then time and time differences are corrected.

- Time and time differences may not be adjusted correctly depending on the network of an overseas network operator. In this case, set time zone manually.
- The correction timing may differ depending on the network operator.
- For details on Date & time ☞ P.62 "Time settings"

Inquiries

- When the device or the docomo nano 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. You can also cancel the use of service from My docomo. Note that communication charges after the device or the docomo nano UIM card is lost or stolen are incurred to the subscriber.
- As for land-line phone, etc., "International call access number" of your country of stay or "Universal number international prefix" is required.

Checking after homecoming

Restore the settings from before your trip after returning to Japan.

If you used packet communication while overseas

- Set [International Roaming] to [OFF] (☞ P.65 "International roaming").

If unable to connect to the DOCOMO network automatically after returning to Japan

- Set [Network Mode] to [4G/3G(Auto)] (☞ P.65 "Network mode").
- Set [Network Search] to [Automatic] (☞ P.53 "Network configuration").

Menu lists

Menu list (web browser)

Menu item/setting item	Setting range	Default value	View on portable device	Backup/Restore	Reference	
Home						
言語	日本語, English	日本語	○	○	P.51	
Connected Clients						
Client List	-	-	-	-	P.52	
MAC Address Filtering						
MAC Address Filter	Enabled, Disabled	Disabled	-	○	P.52	
Add More						
Description	Up to 32 singlebyte alphanumeric characters * Other than those characters above may be limited to a maximum of 10 characters.	-	-	○		
MAC Address	Six groups of hexadecimal 2-digit numbers	-	-	○		
Network						
Mobile Network						
Network Configuration						
Network Mode	4G/3G(Auto), 4G, 3G	4G/3G(Auto)	○	○	P.53	
Network Search	Automatic, Manual	Automatic	-	○		
Roaming Settings						
International Roaming	Enabled, Disabled	Disabled	○	○	P.53	
APN Profile Settings						
APN for network attach	Select one from the displayed profiles	spモード	-	○	P.53	
New						
Profile Name	Up to 32 singlebyte alphanumeric characters * Other than those characters above may be limited to a maximum of 10 characters.	-	-	○		
APN Name	Up to 100 single-byte alphanumeric characters/dot (.) / hyphen (-)	-	-	○		

Menu item/setting item		Setting range	Default value	View on portable device	Backup/Restore	Reference
	Name	Up to 64 singlebyte alphanumeric characters * Other than those characters above may be limited to a maximum of 21 characters.	-	-	○	
	Password	Up to 32 singlebyte alphanumeric characters * Other than those characters above may be limited to a maximum of 10 characters.	-	-	○	
	Authorization Method	None, Auto, CHAP, PAP	CHAP	-	○	
	IP Type	IPv4, IPv6, IPv4/IPv6	IPv4	-	○	
PIN Management						
	PIN Lock	Enabled, Disabled	Disabled	-	-	P.53
	PIN	4 to 8 digit numbers	-	-	-	
Settings						
LAN Settings						
DHCP Server						
	Host IP Address	192.168.0.0 to 192.168.255.255	192.168.128.1	-	○	P.54
	Host Subnet Mask	255.255.0.0 to 255.255.255.255	255.255.255.0	-	○	
	DHCP Server	Enabled, Disabled	Enabled	-	○	
	DHCP Range	192.168.0.0 to 192.168.255.255	Start: 192.168.128.100 End: 192.168.128.200	-	○	
	Lease Time(min)	2 to 43200 minutes (30 days)	1440 minutes	-	○	
Firewall						
	IP Address Filtering	Enabled, Disabled	Disabled	-	○	P.54
	WAN Port Ping Block	Enabled, Disabled	Disabled	-	○	

Menu item/setting item	Setting range	Default value	View on portable device	Backup/Restore	Reference
IP Address Filtering					
Filter mode	Blacklist, Whitelist	Blacklist	-	<input type="radio"/>	P.54
Add Rule					
LAN IP Address	0.0.0.0 to 255.255.255.255	-	-	<input type="radio"/>	
LAN Port	1 to 65535	-	-	<input type="radio"/>	
WAN IP Address	0.0.0.0 to 255.255.255.255	-	-	<input type="radio"/>	
WAN Port	1 to 65535	-	-	<input type="radio"/>	
Protocol	TCP/UDP, TCP, UDP, ICMP	TCP/UDP	-	<input type="radio"/>	
IP Type	IPv4, IPv6	IPv4	-	<input type="radio"/>	
Port Mapping					
Add Rule					
Rule Name	Up to 32 singlebyte alphanumeric characters * Other than those characters above may be limited to a maximum of 10 characters.	-	-	<input type="radio"/>	P.55
WAN Port	1 to 65535	-	-	<input type="radio"/>	
LAN IP Address	192.168.0.0 to 192.168.255.255	192.168	-	<input type="radio"/>	
LAN Port	1 to 65535	-	-	<input type="radio"/>	
Protocol	TCP/UDP, TCP, UDP, ICMP	TCP/UDP	-	<input type="radio"/>	
DMZ					
DMZ	Enabled, Disabled	Disabled	-	<input type="radio"/>	P.55
DMZ address	192.168.0.0 to 192.168.255.255	192.168	-	<input type="radio"/>	
VPN Pass-through					
VPN Pass-through setting	Enabled, Disabled	Enable	-	<input type="radio"/>	P.55
Wi-Fi Settings					
Basic					
Wi-Fi	Enabled, Disabled	Disabled	<input type="radio"/>	<input type="radio"/>	P.55
Multi-SSID	Enabled, Disabled	Disabled	<input type="radio"/>	<input type="radio"/>	
Multi-SSID AP Isolation	Enabled, Disabled	Disabled	<input type="radio"/>	<input type="radio"/>	
Max Number of Connected Clients(1-10)	1 to 10	10	<input type="radio"/>	<input type="radio"/>	
Show SSID and security key on Touch Screen	Enabled, Disabled	Enabled	<input type="radio"/>	<input type="radio"/>	

Menu item/setting item	Setting range	Default value	View on portable device	Backup/Restore	Reference
Interface	SSID A, SSID B	SSID A	<input type="radio"/>	-	P.55
SSID	Up to 32 single-byte alphanumeric characters * There may be a restriction to a maximum of 10 characters for other than those characters above.	SSID A: SH-05La-XXXXXX SSID B: SH-05Lb-XXXXXX * XXXXXX is the last six characters of the MAC address	<input type="radio"/>	<input type="radio"/>	
Security	Open, WEP, WPA2-PSK (AES), WPA/WPA2-PSK (AES/TKIP)	WPA2-PSK (AES)	<input type="radio"/>	<input type="radio"/>	
Password	8 to 64 single-byte alphanumeric characters/symbols	10 random single-byte characters	<input type="radio"/>	<input type="radio"/>	
WEP Key	5, 10, 13 or 26 singlebyte alphanumeric characters/symbols	-	<input type="radio"/>	<input type="radio"/>	
SSID Stealth	Enabled, Disabled	Disabled	<input type="radio"/>	<input type="radio"/>	
Privacy Separator	Enabled, Disabled	Enabled	<input type="radio"/>	<input type="radio"/>	
Access the Web Interface	Deny, Allow	Allow	<input type="radio"/>	<input type="radio"/>	
Reset Wi-Fi settings to default	-	-	<input type="radio"/>	-	
Advanced					
Wi-Fi Mode	2.4 GHz, 5 GHz	2.4 GHz	<input type="radio"/>	<input type="radio"/>	P.56
Wi-Fi Channel	2.4 GHz: Automatic, CH 1 to CH 13 5 GHz: Automatic * CH 1 to CH 11 during international roaming.	Automatic	<input type="radio"/>	<input type="radio"/>	
Wi-Fi Bandwidth	2.4 GHz: Auto (20/40 MHz), 20 MHz 5 GHz: Auto (20/40/80 MHz), 20 MHz, 40 MHz	2.4 GHz: Auto (20/40 MHz) 5 GHz: Auto (20/40/80 MHz)	<input type="radio"/>	<input type="radio"/>	
Sleep Mode	Enabled, Disabled	Enabled	<input type="radio"/>	<input type="radio"/>	
Sleep Mode Timer	5 minutes, 10 minutes, 15 minutes	5 minutes	<input type="radio"/>	<input type="radio"/>	
TX Power	High, Low	High	<input type="radio"/>	<input type="radio"/>	
TCP NAT Timer	30 to 86400	300	<input type="radio"/>	<input type="radio"/>	
UDP NAT Timer	30 to 86400	300	<input type="radio"/>	<input type="radio"/>	
WPS	-	-	<input type="radio"/>	-	P.57

Menu item/setting item	Setting range	Default value	View on portable device	Backup/Restore	Reference
Device Settings					
Web UI Password	8 to 32 single-byte alphanumeric characters/symbols	admin	○	-	P.57
Data Usage Settings					
Reset	-	-	○	-	P.57
Maximum Data Usage	0 MB or more	7 GB	○	○	
USB Mode					
USB Mode	2.0, 3.0	3.0	-	○	P.57
Backup / Restore					
Backup	-	-	-	-	P.58
Restore	-	-	-	-	
Software Update					
Automatic Update	Enabled, Disabled	-	-	○	P.58
Automatic Update Time	00 to 23	4	-	○	
Update	-	-	-	-	
Restore Default					
Restore Factory Settings	-	-	-	-	P.58
Reboot					
Reboot	-	-	-	-	P.58
Automatic Reboot	Enabled, Disabled	Disabled	-	○	
Automatic Reboot Time	Number of days: 1 to 30 Time: 00:00 to 23:59	Number of days: 30 Time: 00:00	-	○	
About	-	-	○	-	P.52

Menu list (device menu)

Menu item/setting item	Setting range	Default value	Backup/ Restore	Reference
Data Usage				
Data Usage Settings	1 to 999 GB	7 GB	○	P.61
Client List	-	-	-	P.60
About Device	-	-	-	P.60
Wi-Fi Guide				
QR Code Connection	-	-	-	P.24
WPS	-	-	-	
Manual Connection				
SSID A	-	-	-	
SSID B	-	-	-	
Enabled	ON, OFF	OFF	○	
Mobile Charge				
Supply	-	-	-	P.61
Battery capacity to stop supplying	50%, 30%	50%	-	
Settings				
Mobile Network				
Network Mode	4G/3G(Auto), 4G, 3G	4G/3G(Auto)	○	P.65
APN Profile Selection	spモード, mopera U	spモード	○	P.62
International Roaming	ON, OFF	OFF	○	P.65
Wi-Fi Settings				
Wi-Fi	ON, OFF	ON	○	P.62
Wi-Fi Mode	2.4 GHz, 5 GHz	2.4 GHz	○	
Screen Lock				
Lock	ON, OFF	OFF	○	P.62
Modify Passcode	4 numbers	-	○	
Display				
Brightness	Minimum (0) to maximum (10) (Movement range of slider)	3	○	P.62
Display Timeout	15s, 30s, 60s, 90s, 120s	90 s	○	
言語設定	日本語, English	日本語	○	
Time Settings				
Automatic time zone	ON, OFF	ON	○	P.62
Select time zone	Time zone of each country	-	○	
Use 24-hour format	ON, OFF	ON	○	
Software Update				
Software version	-	-	-	P.76
Auto Update	ON, OFF	-	○	
Indicate the time to automatically update software(0-23)	00 to 23	04	○	

Menu item/setting item	Setting range	Default value	Backup/ Restore	Reference
Sleep Mode				
Sleep mode	ON, OFF	ON	○	P.63
Timeout	5mins, 10mins, 15mins	5mins	○	
USB Mode	USB 2.0, USB 3.0	USB 3.0	○	P.63
Fast Boot	ON, OFF	ON	○	P.63
Advanced Settings	-	-	-	P.63
Battery Status	-	-	-	P.63

Troubleshooting (FAQ)

Troubleshooting

- You can diagnose the device if there are problems with the performance. For details, refer to the DOCOMO website.
- Check whether the software update is required. If it is required, update the software (☞ P.76 “Software update”).
- 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 device is not turned on
 - Make sure the battery has not run out. ☞ P.18 “Charging”
- The screen does not respond or the device cannot be turned off
 - You can turn the power off forcibly by pressing (power key) for at least 8 seconds.
 - Release your finger to turn the power off.
 - Note that data, contents you have set, etc. may be deleted since the power is turned off forcibly.

■ Charging

- Cannot charge
 - Is the power plug of the adapter inserted into the outlet or accessory socket properly?
 - Are the adapter and the device set properly? ☞ P.19 “Charging with AC adapter”
 - When using an AC adapter (sold separately), are the Type-C plug of the AC adapter and the device securely connected? ☞ P.19 “Charging with AC adapter”
 - When using Cradle SH01 (provided), are the USB Type-C connection jack for cradle power and Type-C plug of the AC adapter securely connected? ☞ P.18 “Charging with cradle”
 - When using Cradle SH01 (provided), is the USB Type-C connection jack on the device dirty? When dirty, clean the jack with dry cotton swabs.
 - When using USB cable A to C 01 (sold separately), is the power of PC turned on?
 - If communication or another function is performed for a long time while charging, the device may become warm and charging may stop. Charge again after the device temperature lowers. ☞ P.18 “Cautions while charging”
 - Is an adapter specified by NTT DOCOMO being used for charging? Contact the number listed in “Repairs” (in Japanese only) on the last page or a repair counter that DOCOMO specifies if you cannot charge the battery even when using a specified one.

■ Device operation

- Becomes hot while operating/charging
 - The device, internal battery, adapter, and cradle may become warm during operation and charging. There is no operational problem. You can keep using them. ☞ P.18 “Cautions while charging”
- Battery life is short
 - Make sure the device 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. Turn off the power in locations that remain out of service. ☞ P.21 “Turning power off/restarting”
 - The battery life depends on the usage environment and deterioration level. ☞ P.77 “Main specifications”
 - The internal battery is a consumable product. Battery life per charge is gradually reduced every time the battery is charged. Contact the number listed in “Repairs” (in Japanese only) on the last page or a repair counter that DOCOMO specifies if the battery life becomes extremely shorter than at the time of purchase even after fully charged. ☞ P.18 “Internal battery usable life”
- Not activated by touching or pressing keys
 - Make sure the device is not turned off. ☞ P.21 “Turning power on”
- The PC connected with a USB cable does not recognize the device
 - Check if the device is correctly connected to the PC with USB cable A to C 01 (sold separately). ☞ P.48 “Connecting and communicating over the USB cable”
 - Disconnect USB cable A to C 01 (sold separately) from the PC, restart the PC, and then reconnect the cable.

- Make sure a USB HUB or conversion plug is not used. Using a USB HUB or conversion plug may prevent the equipment from working normally.
- docomo nano UIM card is not recognized
 - Is the docomo nano UIM card inserted facing right direction? [☞ P.15 “docomo nano UIM card”](#)
- Clock is incorrect
 - Clock may become incorrect if the power is left turned on for a long time. Make sure [Automatic time zone] is set to [ON] and turn the power on again in a location with good signal conditions. [☞ P.62 “Time settings”](#)

■ Connection, communication

- A Wi-Fi device cannot connect to this device
 - Check the device and Wi-Fi device to determine if Wi-Fi has been turned on. Check the instruction manual for your Wi-Fi device to determine if its specifications match those of the device. [☞ P.25 “Checking supported devices”](#)
 - Check if the correct password has been entered. You can check the password with the following operation. In the home screen, select [Wi-Fi Guide] ► [Manual Connection] ► SSID to connect to (if [SSID B] was selected, set to [Enabled].)
 - If [WPA2-PSK(AES)] or [WPA/WPA2-PSK(AES/TKIP)] is set for the [Security], check the instruction manual for your Wi-Fi device to determine if it supports the WPA and WPA2-PSK securities (encryption modes).
- Cannot connect to Internet ([OUT] remains even when moving locations)/communications are lost or communication speed feels slow
 - Turn the power on again or attach the docomo nano UIM card again. [☞ P.15 “docomo nano UIM card”](#) , P.21 “Turning power on/off”
 - Due to the nature of the radio wave, even though status is “inside the service area” or “[]” (indicating signal status) appears, the device may not be able to connect to the Internet. Move to another place.
 - Depending on the time, the network may be congested making it difficult to connect. Move to another place or try connecting again later.
- [OUT] is displayed
 - After entering sleep mode, if about 30 minutes passed without any operation, the mobile network is disconnected and the system will be switch to a power saving mode. When you press  (power key) to turn on the screen or start charging, the device connects to the mobile network.
- The display of connected/disconnected Wi-Fi devices does not change
 - Even if you connect a Wi-Fi device to the terminal or disconnect a Wi-Fi device from the terminal, the number of connected devices may not change. It will be displayed correctly after a few minutes.

■ Screen

- Display is dark
 - Is [Display Timeout] set to a short amount of time? [☞ P.62 “Display”](#)
 - Has [Brightness] been changed? [☞ P.62 “Display”](#)

■ International roaming

- Cannot use the device overseas (The signal icon appears)
 - Make sure you have subscribed to “international roaming service (WORLD WING)”. Check the status of a subscription to “international roaming service (WORLD WING)”: [☞ P.64 “Outline of international roaming \(WORLD WING\)”](#)
- Cannot use the device overseas ([OUT] appears)
 - Make sure the device is not outside the service area of international roaming or in a place with weak signal. Refer to the DOCOMO website if the service area or network operator is available one. [☞ P.64 “Outline of international roaming \(WORLD WING\)”](#)
 - Change the network setting or network operator setting. Set [Network Mode] to [4G/3G(Auto)]. Set [Network Search] to [Automatic]. [☞ P.53 “Network configuration”](#) , P.65 “Network mode”
 - Turn the power on again. The device may recover. [☞ P.21 “Turning power on/off”](#)
- Cannot use data communication overseas
 - Set [International Roaming] to ON. [☞ P.65 “International roaming”](#)
- Suddenly the device becomes unavailable during overseas use
 - Make sure the approximate limit of usage fee is not exceeded. As for “international roaming service (WORLD WING)”, the approximate limit of usage fee is set in advance. Pay off the usage fee to resume services if usage fee exceeds the limit.

Error messages

■ Displayed on device

- [Can not start supplying. If cable is plugged, please remove it.]
 - This message is displayed if the connected device cannot be charged when using [Mobile Charge]. Unplug the connected cable and stop using [Mobile Charge]. [☞ P.61 “Data usage”](#)
- [Invalid PUK.Remaining attempts: x]
 - The PIN unlock key is incorrect. Enter the correct PIN unlock key.

- [No updates is available at this time.]
 - This message is displayed when an attempt is made to update the software but the software being used is already the latest version. You can keep using it. [☞ P.76 “Updating software”](#)
- [Reach to max PUK retry. Please contact with customer service.]
[The USIM is PUK-locked. Please contact with customer service.]
 - This message is displayed if you enter the wrong PIN unlock key 10 times in a row. Contact a docomo Shop. [☞ P.17 “PUK \(PIN Unlock Key\)”](#)
- [The passcode doesn't match.]
 - [New password] and [Confirm password] for [Screen Lock] are different. Enter the correct password. [☞ P.62 “Wi-Fi settings”](#)

■ Displayed in setting tool (web browser)

- [Current Password is not correct.]
 - [Current Password] for [Web UI Password] is different. Enter the correct password. [☞ P.51 “For Android devices/iPhone/iPod touch/iPad”](#)
- [Ending IP Address must greater than Starting IP Address.]
 - The ending IP address was set before the starting IP address in [DHCP Range]. Set the ending IP address after the starting IP address. [☞ P.51 “For Android devices/iPhone/iPod touch/iPad”](#)
- [Host IP Address is invalid.]
 - [Host IP Address] is incorrect. Enter the correct [Host IP Address]. [☞ P.51 “For Android devices/iPhone/iPod touch/iPad”](#)
- [Host Subnet Mask is invalid.]
 - [Host Subnet Mask] is incorrect. Enter the correct [Host Subnet Mask]. [☞ P.51 “For Android devices/iPhone/iPod touch/iPad”](#)
- [Incorrect input PIN. (Ex: 1234) Format: 4~8 digits]
[Incorrect input PIN.]
 - The PIN code is incorrect. Enter the correct pin code.
- [Incorrect input PUK. (Ex: 12345678)]
[Incorrect input PUK. (Ex: 12345678) Format: 8 digits]
 - The PIN unlock key is incorrect. Enter the correct PIN unlock key.
- [Lease Time is invalid. It must be between 2 minutes and 43200 minutes(30 days).]
 - [Lease Time(min)] is less than two minutes. Set [Lease Time(min)] to 2 minutes or longer. [☞ P.51 “For Android devices/iPhone/iPod touch/iPad”](#)
- [Password do not match]
 - [New Password] and [Confirm Password] for [Web UI Password] are different. Enter the correct password. [☞ P.51 “For Android devices/iPhone/iPod touch/iPad”](#)
- [Starting IP Address is invalid.]
 - The starting IP address in [DHCP Range] is incorrect. Enter the correct starting IP address. [☞ P.54 “DHCP server”](#)
- [The session is locked by LCD. Please logout LCD first.]
 - The device display is turned on. The setting tool cannot be used when the device display is turned on. Turn off the device display. [☞ P.21 “Turning display on/off”](#)

Warranty and After-Sales Service

Warranty

- “ご利用にあたっての注意事項 (Usage precautions)” is provided with this device when purchased, and the warranty card is included with that information. Carefully read the warranty card and store it in a safe location.
- The warranty period is 1 year from the date of purchase.
- SIM eject tool is not covered by the free repair warranty.
- The SIM eject tool is the sample. Refer to the inquiries about sample.
- For the purpose of improvement, the specifications and the appearance for the device, including accessories, are subject to change without prior notice.
- Information set in your device may be lost or changed if your device is damaged, repaired or mishandled. You should write down the settings and other important information in case of an accident.
- * The device allows you to save data including the settings to a PC.

After-sales services

■ If you have problems with your device

Refer to “Troubleshooting” on this manual before requesting repairs.

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

■ If your device needs repairs after contacting DOCOMO

Bring your device 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

- Repairs will be performed at no fee based on the stipulations of the warranty.
- In cases such as malfunction or damage caused by improper handling by the customer (such as damage to the external connection jack or display) or repairs performed by an entity other than a repair counter specified by DOCOMO, repairs will incur fees even during the warranty period.
- Repairs will incur fees for malfunctions caused by using consumables and devices other than those specified by DOCOMO even during the warranty period.

Repairs cannot be performed in the following cases.

- As a result of the acceptance inspection, if corrosion is discovered due to water leakage, condensation, sweat, or for other reasons, or if internal circuit boards are damaged or deformed (repairs may not be possible in cases where the external connection jack/display/other parts are damaged or the case is cracked).
- If the device has been repaired at a repair counter other than those specified by DOCOMO

* Even if repairs can be performed, they are not covered by the warranty and will incur fees.

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 device) will be kept in stock basically for at least 4 years following the halt of production.

For details on the repair acceptance conditions, refer to the DOCOMO website.

However, there may be a case when repair is not possible for the shortage of replacement parts, etc. depending on the faulty part. For details, contact a repair counter that DOCOMO specifies.

■ IMPORTANT!

- Never attempt to modify the device and accessories.
 - May cause fire, bodily injury or malfunction.
 - If your device has been modified previously, it will only be accepted for the repair as long as you agree that we restore the device to its original state. However, 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, buttons, or keys
 - Decorations are made to the device with adhesive agent, etc.
 - Exterior parts, etc. are replaced with those which are not DOCOMO genuine products
 - Repairs for any malfunction or damage caused by such modifications will incur fees, even during the warranty period.
- Do not remove the model nameplate attached to the device.

Note that if the contents of the nameplate cannot be confirmed such as when it is removed or replaced on purpose, repairs may be refused.
- Information stored in your device, such as the settings of various functions, may be cleared or reset if your device is damaged, repaired or mishandled. If this occurs, please re-enter the information or re-specify the settings. At that time, packet communication charges may be incurred depending on the settings.
- When the device is repaired, MAC address for Wi-Fi may be changed regardless of the faulty part.
- If the device gets wet or becomes moist, immediately turn off the power. Then, visit a repair counter. The device may not be repaired depending on its condition.

Software update

Software update is a function of updating software to use the device safely and comfortably. Be sure to keep the version up-to-date, since the following contents are included.

The following two kinds of software update are available.

- Addition of new function
Improve function/operations and you can use the device comfortably by upgrading the device function.
- Improvement of the product quality
Improve product quality and you can use the device comfortably by upgrading the device function.

For details and duration of software update provided for the device, refer to the DOCOMO website.

■ Usage conditions

- If you will use packet communication on Xi/FOMA, set [APN Profile Selection] to [spモード] (sp mode) or [mopera U] (P.62 “Mobile network”).
- Even if you use Xi/FOMA packet communication, the download is charged.
- You cannot update if the software is modified.
- You can update software while keeping the setting in the device. 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 updating software.

Updating software

■ Starting update

To start update, use one of the following methods.

- Automatic updates
The device will update its software automatically when it receives update information.
For [Software Update], set [Auto Update] to ON in advance.
Also, [Indicate the time to automatically update software. (00-23)] ▶ Select the time to update and set the update time.
 - Update the software immediately
In the home screen, [Settings] ▶ [Software Update] ▶ [Software Update] ▶ [OK]
- * [No updates is available at this time.] will be displayed if the software does not require updating.

● You can also use the same operations to update the software from the setting tool (P.58 “Software update”).

■ Update's flow

Carry out update as follows.

For detailed on operation procedures, follow the provided information.

1 Download and install update files

- Depending on update type, download or installation of the update file are automatically carried out.

2 Reboot

- After preparations for update are complete, the device restarts automatically.
* The confirmation screen is displayed just before restarting. When you stop restarting, touch the cancel button within a set length of time.

■ Precautions

- When the update is finished, you cannot downgrade the software to the previous one.
- During updating software, the information unique to the device (model, serial number, etc.) is sent to the DOCOMO software update server. Sent information is only used for software update.
- Various functions cannot be used during rebooting.
- After updating software, some settings may be reset. Re-enter the information or re-specify the settings.
- When PIN code is set, the PIN code entry screen appears during restart after rewriting and you are required to enter PIN code.
- If software update fails and all operations become unavailable, contact a repair counter that DOCOMO specifies.
- You cannot update software in the following cases. Solve these phenomenon and try it again.
 - When battery level is insufficient
 - During international roaming
 - When [OUT] is displayed
 - When the basic software is illegally changed
- Do not turn off the device during software update.
- It is recommended to download upgrade files at a location with good signal conditions while you are not moving. Software update may be interrupted if signal is weak.

Main specifications

■ Device

The specifications may change due to software updates. For the latest information, refer to the DOCOMO website.

Product name		SH-05L
Size		Approx. 72 (H) × Approx. 108 (W) × Approx. 15 (D) mm
Weight		Approx. 150 g
Display	Type	TFT
	Size	Approx. 2.4 inches
	No. of colors	262,144 colors
	Resolution	Horizontal 320 × vertical 240 pixels (QVGA)
Battery capacity		4000 mAh
Continuous stand-by time *1, 2, 3	LTE	At rest: Approx. 1200 hrs (Network Mode: 4G/3G(Auto))
	3G	At rest: Approx. 1520 hrs (Network Mode: 4G/3G(Auto))
Continuous communication time	PREMIUM 4G	Approx. 300 min
	LTE	Approx. 920 min
	3G	Approx. 1020 min
Charge time		AC Adapter 07: Approx. 175 min
Communication speed	Wireless LAN*4	IEEE802.11a: Up to 54 Mbps
		IEEE802.11b: Up to 11 Mbps
		IEEE802.11g: Up to 54 Mbps
		IEEE802.11n: Up to 300 Mbps (2.4 GHz band, 5 GHz band)
		IEEE802.11ac: Up to 867 Mbps
PREMIUM 4G	Up to 988 Mbps when receiving data	
	Up to 75 Mbps when sending data	
LTE	Up to 150 Mbps when receiving data	
	Up to 50 Mbps when sending data	
3G	Up to 14.4 Mbps when receiving data	
	Up to 5.7 Mbps when sending data	

Supported frequencies (In Japan)	PREMIUM 4G (When receiving data)	<ul style="list-style-type: none"> • 256QAM • 4×4 MIMO (band 42) • 4×4 MIMO (band 3) • Band 1 (2.0 GHz) + Band 3 (1.7 GHz) • Band 1 (2.0 GHz) + Band 19 (800 MHz) • Band 1 (2.0 GHz) + Band 21 (1.5 GHz) • Band 1 (2.0 GHz) + Band 28 (700 MHz) • Band 3 (1.7 GHz) + Band 19 (800 MHz) • Band 3 (1.7 GHz) + Band 28 (700 MHz) • Band 19 (800 MHz) + Band 21 (1.5 GHz) • Band 21 (1.5 GHz) + Band 28 (700 MHz) • Band 1 (2.0 GHz) + Band 3 (1.7 GHz) + Band 19 (800 MHz) • Band 1 (2.0 GHz) + Band 3 (1.7 GHz) + Band 28 (700 MHz) • Band 1 (2.0 GHz) + Band 19 (800 MHz) + Band 21 (1.5 GHz) • Band 1 (2.0 GHz) + Band 21 (1.5 GHz) + Band 28 (700 MHz) • Band 1 (2.0 GHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 3 (1.7 GHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 19 (800 MHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 21 (1.5 GHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 1 (2.0 GHz) + Band 19 (800 MHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 1 (2.0 GHz) + Band 21 (1.5 GHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 3 (1.7 GHz) + Band 19 (800 MHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 19 (800 MHz) + Band 21 (1.5 GHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 1 (2.0 GHz) + Band 3 (1.7 GHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 1 (2.0 GHz) + Band 3 (1.7 GHz) + Band 19 (800 MHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz) • Band 1 (2.0 GHz) + Band 19 (800 MHz) + Band 21 (1.5 GHz) + Band 42 (3.5 GHz) + Band 42 (3.5 GHz)
	PREMIUM 4G (When sending data)	<ul style="list-style-type: none"> • 64QAM
	LTE	<ul style="list-style-type: none"> • Band 1 (2.0 GHz) • Band 3 (1.7 GHz) • Band 19 (800 MHz) • Band 21 (1.5 GHz) • Band 28 (700 MHz) • Band 42 (3.5 GHz)
	3G	<ul style="list-style-type: none"> • Band 1 (2 GHz) • Band 6 (800 MHz) • Band 19 (800 MHz)
Supported frequencies (Overseas)	FD-LTE	<ul style="list-style-type: none"> • Band 1 (2.0 GHz) • Band 2 (1.9GHz) • Band 3 (1.7 GHz) • Band 4 (AWS) • Band 5 (850 MHz) • Band 8 (900MHz) • Band 12 (700 MHz) • Band 17 (700 MHz) • Band 28 (700 MHz)
	3G (W-CDMA)	<ul style="list-style-type: none"> • Band 1 (2 GHz) • Band 2 (1.9GHz) • Band 4 (AWS) • Band 5 (850 MHz) • Band 8 (900MHz)
USB		USB 3.0 Super Speed (Type-C connector)
Maximum number of simultaneous device connections		11 devices (Wi-Fi: 10 devices, USB: 1 device)
Supported VPN protocols		PPTP, L2TP, IPSec

*1 Continuous stand-by time is the average usage time during which the device is not carried with you and in a status where signals are received normally.

*2 Continuous stand-by time varies significantly depending on the setting state and usage environment as well as the usage frequency of the various functions.

*3 If various functions are used frequently, the actual time may become less than half.

*4 MIMO is supported.

■ Cradle SH01

Size	Approx. 33 (H) × Approx. 81 (W) × Approx. 65 (D) mm
Weight	Approx. 60g
Input voltage/current	5.0V DC/3.0 A
Output voltage/current	5.0V DC/1.5 A
Wired LAN standards	IEEE802.3ab (100BASE-T)
	IEEE802.3u (100BASE-TX)
	IEEE802.3 (10BASE-T)

■ SIM eject tool (sample)

Length	Approx. 33 mm
Weight	Approx. 1g

Specific Absorption Rate (SAR) of Mobile Terminals

This model SH-05L device complies with Japanese technical regulations and international guidelines regarding exposure to radio waves.

This device was designed in observance of Japanese technical regulations regarding exposure to radio waves (*1) 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 terminals is 2.0 W/kg. The highest SAR value for this device when tested for intended use described in the instruction manual is 0.880 W/kg (*2). There may be slight differences between the SAR levels for each product, but they all satisfy the limit.

The actual SAR of this device 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.

During communication, please keep the device 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 device 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 devices pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile device use."

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

<https://www.who.int/peh-emf/publications/factsheets/en/>

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

Ministry of Internal Affairs and Communications Website:

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

Association of Radio Industries and Businesses Website:

<https://www.arib-emf.org/01denpa/denpa02-02.html> (in Japanese only)

NTT DOCOMO, INC. Website:

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

SHARP Corporation Website:

<http://k-tai.sharp.co.jp/support/sar/> (in Japanese only)

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

*2 Including other radio systems that can be simultaneously used with LTE/FOMA.

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 for intended use described in the instruction manual is 0.90 W/kg*.

During communication 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 device a minimum of 5 mm from the body. Use of other accessories may not ensure compliance with RF exposure guidelines.

As SAR is measured utilizing the devices 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.

Regulatory information

Hereby, SHARP CORPORATION declares that the radio equipment type SH-05L is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
<https://jp.sharp/k-tai/> (in Japanese only)

Manufacturer's Address:

SHARP CORPORATION,

1 Takumi-cho, Sakai-ku, Sakai-shi, Osaka 590-8522, Japan

● Description of accessories

USB cable	For charging, peripherals, etc.
nano UIM card	docomo nano UIM card/non-docomo nano UIM cards non-docomo nano UIM cards can be used after SIM-unlocking the terminal.
Cradle	For charging, peripherals, etc.

● Frequency range of supported bands in EU

WCDMA FDD I	Tx 1922.4 to 1977.6 MHz Rx 2112.4 to 2167.6 MHz
WCDMA FDD VIII	Tx 882.4 to 912.6 MHz Rx 927.4 to 957.6 MHz
LTE Band 1	Tx 1922.5 to 1977.5 MHz Rx 2112.5 to 2167.5 MHz
LTE Band 3	Tx 1710.7 to 1784.3 MHz Rx 1805.7 to 1879.3 MHz
LTE Band 8	Tx 880.7 to 914.3 MHz Rx 925.7 to 959.3 MHz
LTE Band 28	Tx 704.5 to 746.5 MHz Rx 759.5 to 801.5 MHz
WLAN 2.4 GHz	Tx/Rx 2412 to 2472 MHz (BW:20 MHz) Tx/Rx 2422 to 2462 MHz (BW:40 MHz)

● Maximum transmit power

WCDMA FDD I	+24 dBm (Power Class3)
WCDMA FDD VIII	+24 dBm (Power Class3)
LTE Band 1	+23 dBm (Power Class3)
LTE Band 3	+23 dBm (Power Class3)
LTE Band 8	+23 dBm (Power Class3)
LTE Band 28	+23 dBm (Power Class3)
WLAN 2.4 GHz	+18.5 dBm

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 device 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 devices 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 device when tested for intended use described in the instruction manual is 1.05 W/kg.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines. During communication, please use an accessory designated for this product or an accessory which contains no metal and which positions the device a minimum of 1.0 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 device with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of <https://www.fcc.gov/oet/ea/fccid> on FCC ID APYHRO00274.

Additional information on Specific Absorption Rates (SAR) can be found on the FCC website at <https://www.fcc.gov/general/radio-frequency-safety-0>.

FCC ID Location

The device is electronically labeled and the FCC ID can be displayed in the About Device menu.

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 device 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.

Intellectual property right

Copyrights and rights of portrait

- Data with third party copyrights such as images that are received using this product cannot be duplicated, altered or publicly transmitted without rightful party's consent. Only duplicating, quoting, etc. for personal use are permitted under the Copyright Act.

Even if for personal use, filming and recording may be prohibited for stage performances, shows, exhibitions, etc. Also, posting the image of another person received using this product on Internet websites without his/her consent may constitute a violation of one's right to his/her image.

Registered trademarks and trademarks

- “FOMA”, “mopera U”, “WORLD WING”, “sp-mode”, “Premium 4G” and the “Wi-Fi STATION” logo are trademarks or registered trademarks of NTT DOCOMO, INC.
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Others

- The abbreviations of operating systems (Japanese versions) below are used in this manual.
 - Windows 10 stands for Microsoft® Windows® 10 (Home, Pro, Enterprise and Education).
 - Windows 8.1 stands for Microsoft® Windows® 8.1, Microsoft® Windows® 8.1 Pro and Microsoft® Windows® 8.1 Enterprise.
 - Windows 7 stands for Microsoft® Windows® 7 (Starter, Home Basic, Home Premium, Professional, Enterprise and Ultimate).

Open source software

- This product includes software based on GNU General Public License (GPL), and other licenses. For details on licenses of applicable software, refer to the following website.
<http://k-tai.sharp.co.jp/support/developers/oss/sh05l/index.html>
- Source codes of software based on GPL can be referred to on the following website for free. For details, refer to the following website.
<http://k-tai.sharp.co.jp/support/developers/oss/sh05l/index.html>

Unlocking SIM lock

The device can unlock the SIM lock. Unlock the SIM lock to use non-DOCOMO SIM cards.

- Some services, functions, etc. may be unavailable. DOCOMO shall not guarantee any operation of the device.
- For details on the procedure of unlocking SIM lock, refer to the DOCOMO website.

- Visit a DOCOMO shop to unlock the SIM lock in this device.
- A number of days may be required to unlock the SIM lock.

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Checking your charges, data volume and subscription, and carrying out various procedures, etc. online

From a PC **My docomo** (<https://www.nttdocomo.co.jp/mydocomo/>) (in Japanese only)

- You may not be able to access some website services due to system maintenance, the content of your subscription, etc.
- "Network security code" or "ID/Password of d ACCOUNT" is required to use "My docomo".

Using mobile device with your manners!

Please be considerate of those around you when using the device.

Turn off your device 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 device in areas where the use of mobile devices is prohibited.

■ While driving

Using the device 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

Using the device in public places where you should be quiet results in disturbing others.



モバイルリサイクルネットワーク
環境省資源循環推進課

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)

General Inquiries <docomo Information Center>

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

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

※ Service available in: English, Portuguese, Chinese, Spanish.

※ Unavailable from part of IP phones.

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

■ **From DOCOMO mobile phones (In Japanese only)**

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

※ Unavailable from land-line phones, etc.

■ **From land-line phones (In Japanese only)**

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

※ Unavailable from part of IP phones.

● Please confirm the phone number before you dial.

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

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

Repairs

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

■ **From DOCOMO mobile phones (In Japanese only)**

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

※ Unavailable from land-line phones, etc.

■ **From land-line phones (In Japanese only)**

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

※ Unavailable from part of IP phones.

Inquiries from overseas (In case of loss, theft, unconnected, etc.)

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

■ **From DOCOMO mobile phones**

Display “+” on the screen

-81-3-6832-6600 (toll free)

(to enter “+”, touch and hold “0”)

※ You can call using international call access code instead of “+”.

■ **From land-line phones**

International call access code for the country you stay

-81-3-6832-6600 (charges apply)

※ You are charged a call fee to Japan.

※ For international call access codes, refer to DOCOMO website.

● Please confirm the phone number before you dial.

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

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

For Inquiries about Sample

(Business hours: 10:00 to 17:00 (Monday through Friday excluding national holidays, scheduled holidays))

Sharp Data Communication Support center (In Japanese only)

TEL 050-5846-5411

● Please confirm the phone number before you dial.

● About sample, refer to this instruction manual.

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

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



Sales: NTT DOCOMO, INC.

Manufacturer: SHARP Corporation