



Do

**Turn FOMA terminal OFF near high-precision electronic control equipment or electronic equipment using low-power signals.**

May cause the equipment to fail or malfunction.

\* Examples of electronic equipment to avoid.

Hearing aids, implanted pacemakers or defibrillators, other electronic medical equipment, fire alarms, automatic doors and other automatic control equipment.

Users wearing implanted pacemakers or defibrillators or other electronic medical equipment should check with the manufacturer or sales outlet about the effect of radio frequencies on the equipment.



Do

**When the display or camera lens is accidentally broken, be careful of broken glass or exposed internal parts of FOMA terminal.**

Surfaces of display and camera lens are made of plastic panels and they are structured for the glass not to scatter, however, if you mistakenly touch broken or exposed parts, you may be injured.



Do

**To sound the high-pitched alarm, always keep FOMA terminal away from your ears.**

May cause hearing loss.

### CAUTION



Don't

**Do not swing FOMA terminal by its strap.**

May cause the terminal damage or failure, or injury to yourself or others.



Don't

**When using the motion tracking or motion sensor, check the safety around you, hold FOMA terminal firmly, and do not shake it unnecessarily.**

The motion tracking and motion sensor are functions to operate by tilting or shaking FOMA terminal. There is a risk that FOMA terminal hits people or objects around you by shaking it too much, causing a serious accident or damage.



Don't

**If you put a metal strap or the like to FOMA terminal, be careful not to let the strap hit people or objects around you when performing motion tracking or using motion sensor.**

Accidents such as injury, malfunction or damage may result.



Don't

**If the display part is accidentally broken and liquid crystal leaks out, do not put the liquid in your mouth, inhale, or make contact with your skin. If the liquid gets into your eyes or mouth, rinse it with clean water and see a doctor immediately.**

**And, if the liquid adheres to skin or clothing, use alcohol etc. to wipe it off, then wash with soap.**

May cause loss of sight or skin problems.



Don't

**Do not bring the speaker close to your ear when the ring alert is sounding or you are playing a melody with FOMA terminal.**

May cause hearing loss.



Do

**In rare cases, using the phone in some vehicle models can cause the vehicle's electronic equipment to malfunction or fail.**

In this case, do not use the phone because it may hamper safe driving.



Do

Mobile phones can give some users skin problems such as itching, allergic reactions or rashes. If you develop skin problems, stop using the phone immediately, and see a doctor. FOMA terminal contains metal in the parts below.

Part	Material	Surface treatment
Back cover plate	SUS	None
Rear side of the back cover		
Screw		
Movable back panel		
Top end of movable back panel	Chrome plating (Terminal color: BLACK) Paint (Terminal color : RED, GOLD) Gold plating (Terminal color : TITANIUM BROWN)	

Part	Material	Surface treatment
Charging jack	SUS	Gold plating
External connection jack		
Nameplate attach place	PC board	
Battery pack connector jack	Beryllium copper	
Open assist button (Terminal color : TITANIUM BROWN)	K18	None



Do

**When opening or closing FOMA terminal, take care not to have your fingers or strap caught by the terminal.**

May cause injuries or damages.



Do

**When watching 1Seg, take a certain distance from the display in a fully bright place.**

May cause your eyesight to be impaired.

### Handling battery pack

■ Check that the battery type matches the type displayed on the battery pack label.

Display	Battery type
Li-ion 00	Li-ion battery



### ⚠ DANGER



Don't

**Do not connect a wire or other metal objects to the jack. And, do not carry or store FOMA terminal with objects like a metal necklace.**

May cause the battery pack to leak, heat, burst or ignite.



Don't

**Do not try to force the battery pack onto FOMA terminal if you are having trouble installing it. Always install it after checking that it is correctly oriented.**

May cause the battery pack to leak, heat, burst or ignite.



Don't

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

May cause the battery pack to leak, heat, burst or ignite.



Don't

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

May cause the battery pack to leak, heat, burst or ignite.



Do

**If the battery pack's fluid contacts eyes, immediately flush the eyes with clean water and see a doctor right away. Do not rub the eyes.**

May cause loss of sight.

**⚠ WARNING**

Don't

**If the battery pack seems to have abnormalities such as deformation or scratches due to an external impact or falling, stop using it immediately.**

May cause the battery pack to leak, heat, burst or ignite, and the equipment to malfunction or catch fire.



Do

**If the battery pack does not have a full charge after being charged for the specified time, stop charging it.**

May cause the battery pack to leak, heat, burst or ignite.



Do

**If the battery pack leaks or gives off a strange smell, immediately remove it from the vicinity of open flames.**

The vapors from leaking battery pack fluid may ignite or explode.



Do

**Be careful not to let your pet bite the battery pack.**

May cause the battery pack to leak, heat, burst or ignite, and the equipment to malfunction or catch fire.

**⚠ CAUTION**

Don't

**Do not discard old battery packs together with other garbage.**

May cause igniting or environmental destruction. Tape the terminals of old battery packs to insulate them, and then bring them into a sales outlet such as docomo Shop. If your local municipality has a battery recycling program, dispose of them as provided for.



Don't

**Do not charge a wet battery pack.**

May cause heat generation, ignition or rupture of the battery pack.



Do

**If the battery pack's fluid contacts skin or clothes, immediately flush the contacted area thoroughly with clean water.**

May hurt the skin.

**Handling adapter and desktop holder****⚠ WARNING**

Don't

**Do not use the adapter cord or power cord if it gets damaged.**

May cause electric shock, heat or fire.



Don't

**Do not use the AC adapter or desktop holder in a bathroom or other highly humid area.**

May cause electric shock.



Don't

**Always use the DC adapter with a negative-ground vehicle. Do not plug it into a positive-ground vehicle.**

May cause fire.



Don't

**When it starts to thunder, do not touch FOMA terminal and adapter.**

May be subject to lightning strike and could cause electric shock.



Don't

**Do not short the charging jack while it is connected to the outlet or cigarette lighter socket. Do not touch the charging jack with a part of your body such as your hand or finger.**

May cause fire, malfunction, electric shock or injuries.



Don't

**Place the adapter and desktop holder in a stable location while charging. Do not cover or wrap the adapter and desktop holder with a cloth or blanket.**

May cause FOMA terminal to be removed or the optional devices to be heated, resulting in fire or troubles.



Don't

**Do not place heavy objects on the adapter cord or power cord.**

May cause electric shock or fire.



No wet hands

**Do not touch the adapter cord, desktop holder or outlet with wet hands.**

May cause electric shock.

**Only use with the specified power source and voltage.**

Do

If incorrect voltage is used, this may cause fire or failure. When using FOMA terminal overseas, use AC Adapter for global use.  
 AC adapter : AC100V  
 DC adapter : 12 or 24V DC (specific for negative ground vehicle)  
 AC adapter for global use : Between 100V and 240V AC (Connect to the AC outlet for internal household use)

**If the DC adapter's fuse blows, replace it only with the specified fuse.**

Do

Using other fuses may cause fire or equipment failure. For the specified fuse, see the instructions that come with the DC adapter.

**Wipe off any dust that accumulates on the power plug.**

Do

May cause fire.

**When you connect the AC adapter to an outlet, make sure not to touch with metal such as metal straps and firmly connect to the outlet.**

Do

May cause electric shock, electrical short or fire.

**When you disconnect the adapter from the outlet or cigarette lighter socket, do not pull the adapter cord or power cord with excessive force. Instead, hold the power plug to disconnect.**

Do

Pulling the cord could damage it, possibly leading to electric shock or fire.



Unplug

**Always remove the power plug from the outlet when not using the adapter for an extended period.**

May cause electric shock, fire or malfunction.



Unplug

**Immediately remove the power plug from the outlet or cigarette lighter socket if water or other fluids get into the adapter.**

May cause electric shock, smoke or fire.



Unplug

**Always remove the power plug from the cigarette lighter socket when cleaning the equipment.**

May cause electric shock.

**Handling UIM****CAUTION**

Do

**Be careful of the cut surface when removing UIM (ICs).**

May hurt hands or fingers.

**Handling mobile phones near electronic medical equipment**

- These precautions are based on the guidelines produced at the Electromagnetic Compatibility Conference Japan, regarding the protection of electronic medical equipment from radio waves emitted by mobile phone units.

**WARNING**

Do

**Obey the following rules inside medical facilities.**

- Do not bring FOMA terminal into operating rooms (ORs), intensive care units (ICUs) or coronary care units (CCUs).
- Turn FOMA terminal OFF in hospital wards.
- Turn FOMA terminal OFF in hospital lobbies and corridors if electronic medical equipment could be nearby.
- If the medical facility has specified zones where use or possession of mobile devices is prohibited, obey those instructions.
- If the function to automatically turn ON the power is set, cancel the setting before turning the power OFF.



Do

**Turn FOMA terminal OFF in crowded trains or other public places where pacemaker or defibrillator wearers could be nearby.**

FOMA terminal's signals may affect the operation of implanted pacemakers or defibrillators, and other devices.



Do

**Wearers of implanted pacemakers or defibrillators must carry and use FOMA terminal at least 22 cm away from the implanted device.**

FOMA terminal's signals may affect the operation of implanted pacemakers or defibrillators, and other devices.



Do

**When electronic medical equipment other than implanted pacemakers or defibrillators are in use outside of medical facilities (such as in home care settings), check with the device manufacturer to determine how the device is affected by electrical signals.**

FOMA terminal's signals may affect the performance of electronic medical equipment.

# Handling precautions

## General

- **F-03B is waterproof/dustproof, however, do not allow water or dust to seep into FOMA terminal and do not allow accessories or optional devices to get wet or let dust attach.**
  - FOMA terminal is provided with waterproofness/dustproofness of IPX5 and IPX8 (which exceeds IPX7) by firmly closing the external connection jack cap and installing the back cover in a locked state, however, it is not complete waterproofness/dustproofness. Do not install/remove the battery pack or do not open/close the external connection jack cap and back cover in the rain or with waterdrop adhered to them. Water may seep inside and cause corrosion or malfunction. Also, accessories and optional devices are not waterproof/dustproof. Malfunctions, which are determined to be caused by water or dust as result of inspections, are not covered by the warranty. Since these conditions are outside the scope of the warranty, a repair, if at all possible, is charged.
- **Clean FOMA terminal with a dry soft cloth (such as a cloth for eyeglasses).**
  - The display of FOMA terminal may have been applied special coating to improve clearness of the color LCD. When cleaning FOMA terminal, rubbing it roughly with a dry cloth can scratch the display. Take care when handling the unit, and clean it with a dry soft cloth (such as a cloth for eyeglasses). Drops of water or dirt left on the display can cause stains or remove the coating.
  - If FOMA terminal is wiped with alcohol, paint thinner, benzine or detergent, the printing may disappear or color may fade.
- **Clean the jack occasionally with a dry cotton swab etc.**
  - If the jack is soiled, connection gets worse and it may cause power to be turned off or insufficient battery charge, so clean the jack with a dry cotton swab etc. Also, be careful never to damage the jack when cleaning it.
- **Do not place FOMA terminal near an air-conditioner outlet.**
  - The rapid change in temperature may cause condensation, causing internal corrosion and malfunction.

- **When using, be careful not to subject excessive force to FOMA terminal or the battery.**
  - If FOMA terminal is crammed into a brimming bag or placed in a pocket and sat on, display, internal PCBs or battery pack may be damaged or malfunction. And, if external devices are plugged into the external connection jack (earphone/microphone jack), the breakage of the connector or malfunction may result.
- **Carefully read the separate instructions that come with FOMA terminal and adapter.**
- **Do not rub or scrape the display with a metal piece etc.**
  - It may scratch the display, causing malfunction or damage.

## FOMA terminal

- **Avoid extreme temperature.**
  - Use FOMA terminal where the temperature ranges between 5 and 40°C (limited to the temporary use in a bathroom etc. when temperature is above 36°C) and humidity ranges between 45 and 85%.
- **FOMA terminal may affect land-line phones, TVs or radios in use nearby, so use it as far as possible from these appliances.**
- **Maintain a separate record of the data you saved in your FOMA terminal.**
  - If the data is deleted, DOCOMO assumes no responsibility for the loss of any data.
- **Do not drop FOMA terminal or subject it to shocks.**
  - May cause malfunction or damage.
- **Do not plug external devices into the external connection jack (earphone/microphone jack) at a slant, or do not pull it forcibly while it is plugged.**
  - May cause malfunction or damage.
- **Do not close FOMA terminal with the strap etc. held inside.**
  - May cause malfunction or damage.
- **It is normal for FOMA terminal to become warm during use or charging. Continue to use it.**
- **Do not leave FOMA terminal with the camera in areas under strong direct sunlight.**
  - May cause discoloring or burn-in of materials.

- **FOMA terminal should normally be used with the external connection jack cap closed.**
  - Dust and/or water brought into FOMA terminal cause troubles.
- **Do not use FOMA terminal with the back cover removed.**
  - It may cause the battery to come off, or may cause a malfunction or damage.
- **Do not put extremely thick stickers on the display or the key side.**
  - Doing so may cause malfunction.
- **Do not put strong impact on the fingerprint sensor or scratch its surface.**
  - It may cause malfunction of fingerprint sensor and disable authentication operation and pointing operation.
- **Clean the fingerprint sensor with a dry soft cloth (such as a cloth for eyeglasses).**
  - If the fingerprint sensor is dirty or water is sit on its surface, the sensor does not read fingerprints, decreases its authentication performance, erroneously operates authentication function with no finger on it, disables pointing operation.
- **While microSD card is being used, do not take the card out and do not turn off FOMA terminal.**
  - May cause data loss or malfunction.
- **Do not bring magnetic cards etc. close to FOMA terminal.**
  - Magnetic data in cash cards, credit cards, telephone cards, floppy disks, etc. may be erased.
- **Do not bring magnetized objects close to FOMA terminal.**
  - Bringing strong magnetism close may cause a malfunction.

## Battery pack

- **The battery pack is a consumable part.**
  - Replace the battery pack if FOMA terminal has extremely short operation time on a full charge, though it may vary by operating conditions. Purchase a new battery pack of the specified type.
- **Charge the battery in an area within the proper ambient temperature range (5-35°C).**
- **Always charge before using it for the first time or after extended disuse.**
- **The operation time provided by the battery pack varies by the operating environment and battery pack's deterioration.**

- **The battery pack may swell out as it comes to near the end of its lifetime depending on the usage conditions, but it is not a problem.**
  - **Be careful especially about the following points when preserving or leaving the battery pack for a long time.**
    - Keeping under the state of the full charge (right after charging ends)
    - Keeping under the state of the empty charge (too exhausted to turn on FOMA terminal)
- They may cause the battery pack performance to be degraded or its lifetime to be shortened.
- For necessary battery level to keep for a long time, the display of battery icon is a state of approximately 2 or 3 cells.

## Adapter

- **Charge the battery in an area within the proper ambient temperature range (5-35°C).**
- **Do not charge the battery in the areas below.**
  - In areas of excessive humidity, dust or vibrations
  - Near land-line phones or TVs/radios
- **It is normal for the adapter to become hot while charging. Continue to use it.**
- **When using the DC adapter for charging, keep the vehicle engine running.**
  - The vehicle's battery could become flat.
- **When using an outlet with a mechanism preventing unplugging, follow the handling instructions for that outlet.**
- **Do not give strong shock. Do not deform the charging jack.**
  - Doing so may cause malfunction.

## UIM

- Do not use excessive force to install/remove UIM.
- It is normal for UIM to become warm during use. Continue to use it.
- Note that DOCOMO assumes no responsibility for malfunctions occurring as the result of inserting and using a UIM with another IC card reader/writer.
- Always keep UIM ICs clean.
- Clean UIM with a soft, dry cloth (such as a cloth for eyeglasses).
- Maintain a separate record of the data you saved in UIM.
  - If the data is deleted, DOCOMO assumes no responsibility for the loss of any data.
- To preserve the environment, bring the old UIM to a sales outlet such as docomo Shop.
- Avoid extreme temperature.
- Take care not to scratch, touch accidentally or short IC.
  - May cause data loss or malfunction.
- Do not drop UIM or subject it to shocks.
  - Doing so may cause malfunction.
- Do not bend UIM or place heavy objects on it.
  - Doing so may cause malfunction.
- Do not install UIM into FOMA terminal with a label or sticker put on UIM.
  - Doing so may cause malfunction.


## Bluetooth® devices

- This FOMA terminal is equipped with the security features, that are compliant with Bluetooth standards for communication via Bluetooth. However, depending on the settings, there may not be enough security. Be aware of security risks when using Bluetooth.
- DOCOMO assumes no responsibility for any information which may be leaked during communication via Bluetooth.
- You can use headset, handsfree, audio, dial-up connection, object push and serial port devices with FOMA terminal. An audio/video remote control may be available with an audio device (only Bluetooth compatible devices).

### • Frequency bands

Frequency bands used by FOMA terminal Bluetooth function are as below.



- ① 2.4 : Radio equipment that uses the 2400 MHz band.
- ② FH : The modulation is the FH-SS method.
- ③ 1 : The expected interference distance is 10 m or shorter.
- ④  : All bandwidths between 2400 MHz and 2483.5 MHz are used, and the bandwidth used by mobile object identification devices cannot be avoided.

### • Cautions on using Bluetooth devices

In the bandwidth used by this handset, in addition to home electric appliances such as a microwave oven and industrial/scientific/medical devices, in-plant radio stations used to identify mobile objects used in production lines of a factory that require a license, specified low power radio stations, or amateur radio stations that do not require a license (hereafter "other radio stations") can be in operation.

1. Before using this terminal, check whether other radio stations are in operation in your neighborhood.
2. If radio wave interference occurs between the terminal and "other radio stations", use the terminal in a different location or "Turn the power OFF" to avoid the radio wave interference.
3. For more detailed information, contact "General Inquiries" using the phone number on the back of this manual.



### FeliCa reader/writer

- FeliCa reader/writer function of FOMA terminal uses weak waves requiring no licenses for radio stations.
- It uses 13.56 MHz frequency band. When using other reader/writers in your surroundings, keep FOMA terminal away sufficiently from them. Before using the FeliCa reader/writer, confirm that there are no radio stations using the same frequency band nearby.

### CAUTION

- **Do not use a remodeled FOMA terminal. Using a remodeled terminal violates the Radio Law.**  
FOMA terminal is certified according to technical standard conformance of specified wireless equipment based on the Radio Law, and as a proof of it, the "Technical Compliance Mark" is depicted on the engraved sticker of FOMA terminal.  
If you remodel FOMA terminal by removing its screws, your certification of technical standard conformance becomes invalid.  
Do not use FOMA terminal with its certification of technical standard conformance invalid as it violates the Radio Law.
- **Be careful when you use FOMA terminal while driving a car etc.**  
Using a mobile phone while driving is subject to penal regulations.  
If you inevitably receive a call, tell the caller that you will "call back" by handsfree, then park in a safe place and call back.
- **Use the Bluetooth function only in Japan.**  
The Bluetooth function of the FOMA terminal is compliant with wireless standards and is authorized for use only in Japan.  
If you use this function overseas, you may be punished.
- **Use FeliCa reader/writer function only in Japan.**  
FeliCa reader/writer function of FOMA terminal conforms to Japanese radio standards.  
If you use this function overseas, you may be punished.

## Waterproofness/Dustproofness

F-03B is provided with the following waterproofness by firmly closing the external connection jack cap, installing the back cover and locking the cover.

- IPX5 (Former JIS protection code 5)\*<sup>1</sup>
- IPX8\*<sup>3</sup> that is a higher standard than IPX7 (former JIS protection code 7)\*<sup>2</sup>

Also, F-03B is dustproof to IP5X (former JIS protection code 5)\*<sup>4</sup> if the external connection jack cap is strictly closed as well as the back cover is mounted and locked.

- \*1 Code IPX5 means that a phone keeps functioning after directly applying a jet flow of 12.5 L/min. for at least 3 minutes from a distance of 2.5-3 m on a rotating turntable.
- \*2 Code IPX7 means that a phone keeps functioning after it is slowly submerged to depth of 1 m in static tap water at room temperature, left there for 30 minutes and then taken out.
- \*3 Code IPX8 means that it provides waterproofness of which exceeds of IPX7 standard.
- \*4 Code IP5X means that a device is protected against the ingress of dust specific to dustproof test (25 μm or smaller in diameter), so that the ingress will not interfere with predefined operation and safety of the device.

- F-03B provides the following waterproof performances of IPX8.
  - F-03B keeps functioning after it is slowly submerged to depth of 1.5 m in static tap water at room temperature, left there for 30 minutes and then taken out.
  - The mobile phone keeps shooting still images or moving pictures in 30 minutes in static tap water at room temperature.

## ❖ What you can do with waterproofness and dustproofness of F-03B

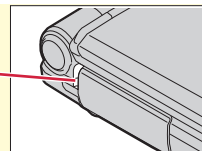
- **You can talk or watch 1Seg programs without using an umbrella in the rain (for rainfall of 20 mm or less per hour).**
  - When your hands or FOMA terminal are wet, avoid installing/removing the back cover or opening/closing the external connection jack cap.
- **You can wash mud or dirt away.**
  - If FOMA terminal gets dirty, flush away immediately as predefined (⇒P20).
- **You can touch the terminal with your hand that is wet with salt water or seawater.**
  - Do not operate the terminal.
  - If you touch the terminal with your wet hand, flush away immediately as predefined (⇒P20).
- **You can also shoot still images and moving pictures in the pool depth of 1.5 m.**
  - Do not perform other operations underwater than shooting still images and moving pictures.
  - If you put the terminal in water of swimming pool, be sure to have it within 30 minutes.
  - If FOMA terminal gets wet with water from the swimming pool, wash it as predefined (⇒P20).
- **You can use FOMA terminal in a bathroom.**
  - Do not put the terminal in the bathtub. Do not use the terminal in hot water. Doing so may cause malfunction.
  - Never put FOMA terminal in hot spring water or water containing soap, detergent or bath powder.

## To ensure waterproofness/dustproofness

To avoid water and dust ingress, be sure to observe the following points.

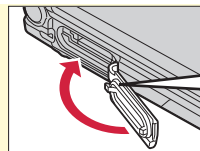
- If FOMA terminal should get wet with salt water, sea water or soft drink, you can flush away. However, do not let the terminal get wet with liquids other than tap water at room temperature.
- Open/close the external connection jack cap as described below.
  - <Opening the external connection jack cap>**  
Place your finger at groove on the hinge side to open the cap.

Groove on the hinge side



### <Closing the external connection jack cap>

Close with the tab for the back cover at the rear side of the cap fitted into the concave of this terminal. Make sure that the cap is completely closed without slack.



Tab on the back cover side

