

Panasonic®



Operating Instructions - Reference Manual

Mobile Payment Terminal

Model No. **JT-C52 series**

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Introduction

About this manual

Thank you for purchasing this Panasonic product. For optimum performance and safety, please read these instructions carefully.

This manual describes the preparation of the unit for use, and the operations and settings of the main features.

- Panasonic Corporation and/or its affiliates are referred to collectively as “we” or “Panasonic”.
- Some illustrations in this document may look different from the actual product. Also, the details of the descriptions may vary due to differences between the software versions or automatic updates of some software.
- Information in this document is subject to change without notice.
- For the latest information about optional products, refer to the product catalogs, etc.

Disclaimers

- Panasonic assumes no liability for damage incurred from customer misuse or use under other irregular conditions, and damage resulting from the use or the unavailable use of the product.
- Panasonic shall not be liable for loss of data or other incidental or consequential damages resulting from the use of this product. This product can download, store, forward, and receive additional content, such as applications, ringtones, contact information, and media files. The use of such content may be restricted or prohibited by the rights of third parties, including but not limited to restriction under applicable copyright laws. You are entirely responsible for additional content that you download to or forward from this product; Panasonic is not responsible for such content or its use. Before using such content, it is your responsibility to verify that your intended use is properly licensed or is otherwise authorized. Panasonic does not warrant or guarantee the accuracy, integrity or quality of any additional content or any other third-party content. Under no circumstances will Panasonic be liable in any way for the improper use of additional content or other third-party content by this product or its operator. This document and any related product documentation may refer to services and applications that are provided by third parties. The use of such services or programs may require separate registration with the third party provider and may be subject to additional terms of use. For applications accessed on or through a third-party web site, please review the web sites' terms of use and applicable privacy policy in advance. Panasonic does not warrant or guarantee the availability or performance of any third-party web sites, services, or applications.
- The availability of some functions depends on your unit's specifications and the locale of purchase. See “Specifications” (page 28) for information about your unit.

Handling cautions

IMPORTANT

- To prevent theft or loss, make sure to store the product in a place that can be locked such as a cabinet. When using the product, always keep it with you and take care so that it is not stolen or used by third parties.
- Before using the product, check for signs of disassembly or modification. Do not use it if there are abnormalities.

General use

- Do not place the product in the following areas, as doing so may damage the product.
 - Near electric appliances. The image may be distorted or noise may occur.
- Do not drop the product or subject it to impacts. Doing so may cause malfunctions or damage.
- When operating the screen using the dedicated stylus, do not firmly press it down. Doing so may damage the dedicated stylus or result in scratches or dents on the display.
- Do not place objects on the surface of the product or press down hard on the product with sharp objects. The display surface may get scratched.
- Do not use the dedicated stylus when dust or dirt (e.g., oil) is on the display. Otherwise foreign particles on the screen/dedicated stylus may scratch the display surface or obstruct operation of the dedicated stylus.
- Use the dedicated stylus only for touching the display. Using it for any other purpose may damage the dedicated stylus and result in scratches on the display.
- Confirm the safety and security of software before downloading or installing it on the product. Installing malware or viruses can cause malfunction and the disclosure of any private information stored in the product, or may cause excessive sound volume.
- Do not place the product near a television or radio receiver. This may cause television or radio interference.
- Keep the product away from magnets. Failure to do so may cause malfunction.
- When using the product in a vehicle, it may affect electronic devices in the vehicle depending on the vehicle type. Confirm the effects from radio waves with the vehicle manufacturer or sales dealer before use.
- Follow these instructions and this manual to avoid any damage to the devices. Carefully read the instruction manuals of the peripheral devices.
 - Use peripheral devices that conform to the product's specifications.
 - Connect to the connectors in the correct direction.
 - If a connector is hard to insert, do not try forcibly. Check its shape, direction, alignment of pins, etc.
- The product and accessories are not waterproof or dustproof. Keep them away from liquids such as water. Also, do not use them in places with high humidity, or a lot of sand or dust.
- Make sure to close the interface cover, battery cover, and printer cover before use. Always keep the covers clean and check that they are completely closed after opening them so that liquids, sand, dust, and other foreign objects do not get inside. Take care so that foreign objects do not get caught between the product and covers.
- Condensation may form when moving from a cold place to a warm place. If condensation forms, refrain from using the product until the moisture evaporates.
- The product uses internal batteries to backup important operational data. If the internal batteries are consumed and the operational data is lost, the product may fail to operate.
To reduce consumption of the internal batteries, do not remove the battery pack from the product as much as possible. Also charge the battery pack before the battery level gets low.

Protecting your data

- To prevent accidental loss of data, we recommend that you regularly back up any important data that you store in the product, SIM card, and SD card.

- To prevent the unintended disclosure of private information, always confirm the destination before sending messages, file attachments, or any other communications, such as email.
- To prevent the unintended disclosure of sensitive information stored in the product or the SD card, we recommend using the product's encryption feature (page XX).
- Before disposing of the product or handing the product over to a third party, remove the SIM card, SD card, and any other accessories.
- Before disposing of the product or handing the product over to a third party, perform a factory data reset (page XX) to erase any data stored in the product.
- Before using WLAN or Bluetooth features, take appropriate action to secure your data.

Maintenance

- When cleaning the product, make sure to turn it off.
- When cleaning the product, wipe it with a soft, dry cloth. An alcohol-based disinfectant may be used if necessary.
 - If the product is particularly dirty, thoroughly wring a cloth soaked in water, wipe off the dirt, and then wipe with a dry cloth.
 - Do not clean the product with solvents such as benzene, thinner, or strong alkaline detergent because they may affect the surface of the product.
- If the product has difficulties reading magnetic or smart cards, clean the card readers with cleaning cards.

Battery

- The battery is a consumable item. Depending on the usage conditions, it may swell as it reaches the end of its life. When the typical battery life of approximately one year or about 500 charge cycles is exceeded, the battery deteriorates. If the battery begins to swell, or the amount of time it can be used after a full charge becomes dramatically shorter, the battery should be replaced with a new one. Contact your technical support representative.
- Do not touch the terminals of the battery. Failure to observe this may cause poor contact.
- When the battery is left installed in the product, it discharges electricity gradually in small amounts even if the product's power is off. If left for a long period (several months or more), the battery will over discharge and its performance may deteriorate.
- Store the battery in environments with an ambient temperature of -20 °C to 35 °C (-4 °F to 95 °F). If the battery is stored in other environments, battery performance and battery life may be reduced.
- When storing or transporting the battery, make sure that the battery's terminals do not become dirty and that no foreign objects or debris become attached to the battery's terminals.
- If battery charging is not completed after the specified charging time has passed, remove the battery from the product. The battery protection device may be damaged.
- You cannot charge an installed battery if it is not recognized by the product. Make sure that you use the specified battery.
- Dispose properly in compliance with local waste regulations.

Inputting a password (give this information to customers)

- Observe the following to prevent leakage and malicious use of the password.
 - Make sure customers input the password.
 - Customers should hold the product in hand during input.
 - Customers should use their hands or body to hide the password from people nearby and security cameras.
- To prevent password input mistakes, customers should confirm the input sounds and screen display during input.

Trademarks

- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license.
- The N-Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.



- All other trademarks identified herein are the property of their respective owners.

Getting started

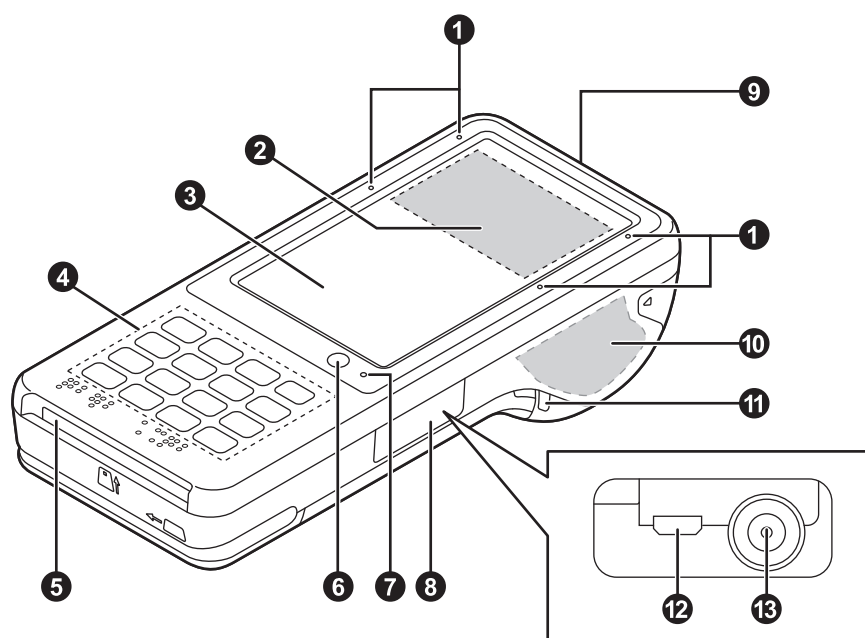
Confirming the included items

If any items are missing, please contact your technical support representative.

- Main unit × 1
- Battery (Model number FZ-VZSUN100U) × 1
- Operating Instructions - Read Me First × 1

Description of parts

Front view



- ① Status indicator (JT-C522GD series only)**
Lights up or blinks during contactless IC card transactions.
- ② Contactless IC Card Reader (JT-C522GD series only)**
- ③ Display (touch panel)**
- ④ Buttons** (page 9)
- ⑤ Smart card reader**
- ⑥ Ambient light sensor^{*1}**
Automatically adjusts the screen brightness.
- ⑦ Charging indicator**
Orange, lit: Battery is charging
Green, lit: Battery charging is complete
Red, lit: Battery level is 19 % or less of a full charge^{*2}

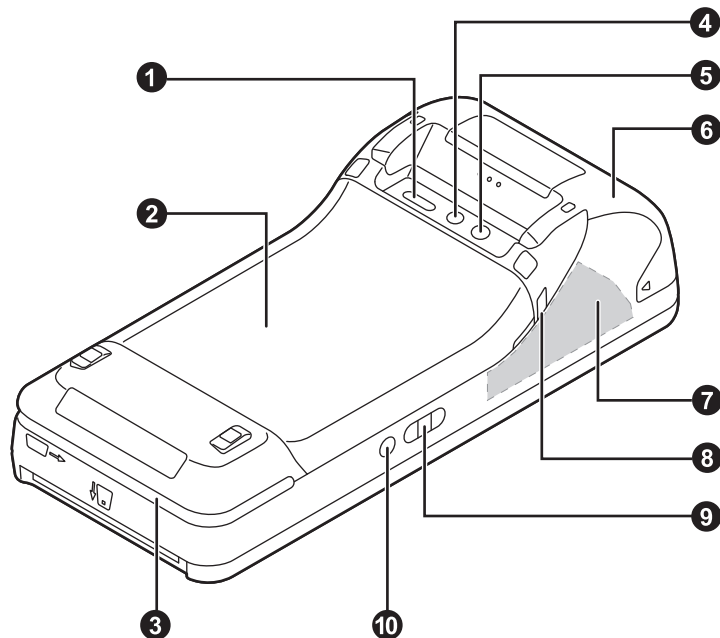
- ⑧ Interface cover**
- ⑨ GPS antenna^{*3}**
- ⑩ Mobile antenna^{*3}**
- ⑪ Strap attachment hole**
- ⑫ micro USB port**
- ⑬ DC input jack (page 12)**

^{*1} Do not cover with your hands or objects. Doing so may cause the product not to operate correctly.

^{*2} Charge the product. Otherwise transactions may not work.

^{*3} The antenna is built into the unit. Covering the area around the antenna with your hands or objects may cause the product not to operate correctly.

Rear view



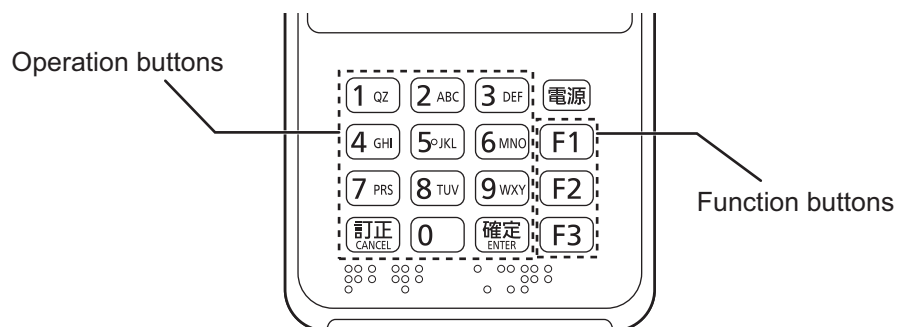
- ① Speaker**
- ② Battery cover**
- ③ Magnetic card reader**
- ④ Camera**
- ⑤ Photo light**
- ⑥ Printer cover**
- ⑦ Mobile, Wireless LAN, Bluetooth antenna^{*1}**
- ⑧ Strap attachment hole**
- ⑨ Volume button**

10 Camera button

- *1 The antenna is built into the unit. Covering the area around the antenna with your hands or objects may cause the product not to operate correctly.

Button layout

The operation and function buttons are used for transactions.

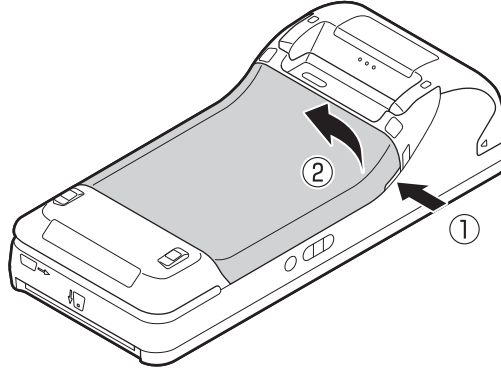


Button functions

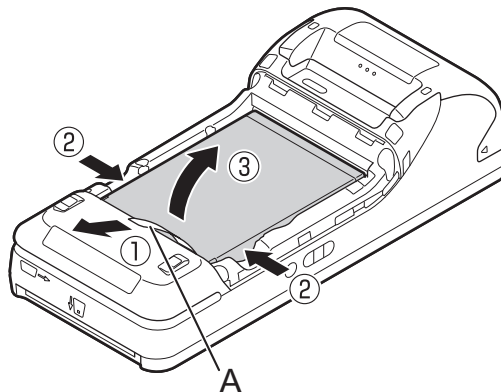
- **Operation buttons**
 - **Number buttons:** Press to input a password.
 - **ENTER button:** Press to confirm the input data.
 - **CANCEL button:** Press if you made an operation or input mistake. The input value will be cleared and you will return to the previous screen. If you press the button while nothing is input, you will return to the previous message.
- **Function buttons (F1 to F3):** Press to select the function.
- **Power button:** Press to turn the power on or off, or turn the screen off (power saving mode) or on (page 12).

Replacing the battery

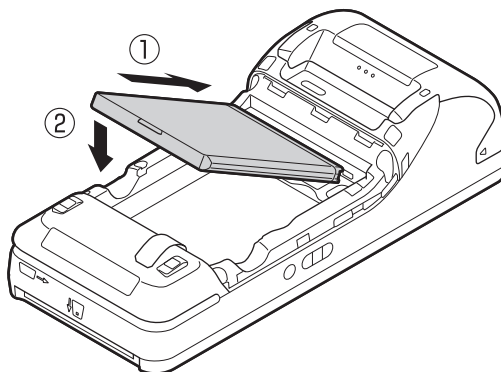
1. Turn off the unit (page 12).
 - If you remove the battery pack while the unit is on, you may lose important data.
2. Remove the battery cover.
 - Insert your fingertip into one groove of the battery (①), and lift it up (②).



3. Remove the battery.
 - Pull the battery pack remover sheet (A) (①), slightly lift the battery pack, insert your fingertips into the grooves on both sides (②), and lift up (③).

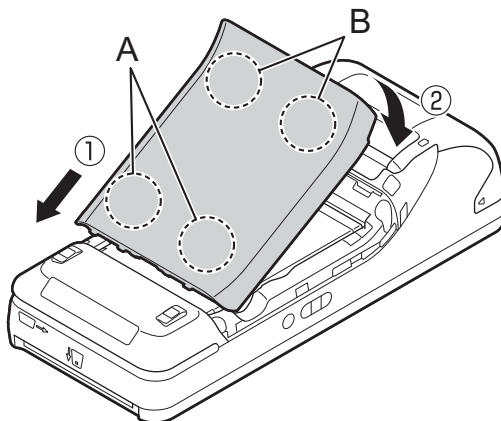


4. Insert the battery.
 - Insert the battery's terminal side into the unit (①), and then lower the battery into place (②).
 - Take care so that the battery pack remover sheet does not get caught.



5. Attach the battery cover.

- Insert the tab of the battery into the groove of the unit (①), press the A locations, and then press the B locations (②).
- Press the outer periphery of the battery cover and check that nothing is raised between the battery cover and unit.
- Take care so that the battery pack remover sheet does not get caught.

**IMPORTANT**

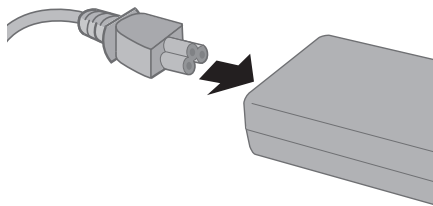
- The unit cannot operate with the AC adapter alone. Make sure you insert a charged battery pack.
- If you remove the battery pack, the date and time settings return to default, or return to the automatically or manually set previous date and time. If the unit is not connected to a wireless LAN or mobile network, configure the settings again (page 22).

Charging the battery

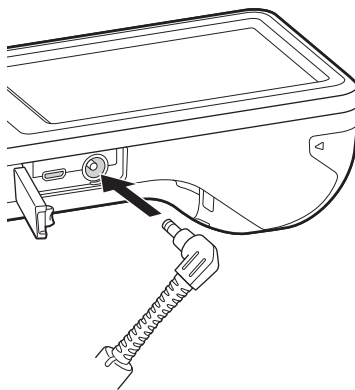
Charge the battery before turning on the unit for the first time or after replacing the battery.

- Charge the battery in environments with an ambient temperature of 5 °C to 35 °C. Charging may stop if the environment is outside of this temperature range while charging.
- The unit prevents overcharging of the battery by charging only when the remaining battery level is less than approximately 95 % of its full capacity.

1. Connect the AC adaptor and the AC cord as shown below.



2. Connect the AC adaptor to the unit, and then connect the AC plug to the AC outlet.



Confirming the battery level

The battery level is displayed in the status bar.



Fully charged



Charging



Battery level is 19 % or less of a full charge

Turning the unit on and off

Turning the unit on

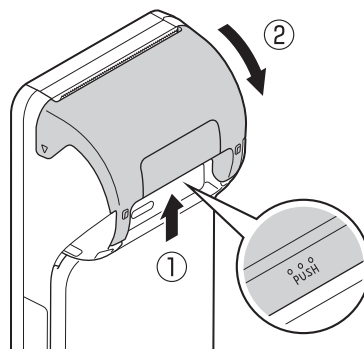
Press and hold the power button for more than 3 seconds.

Turning the unit off

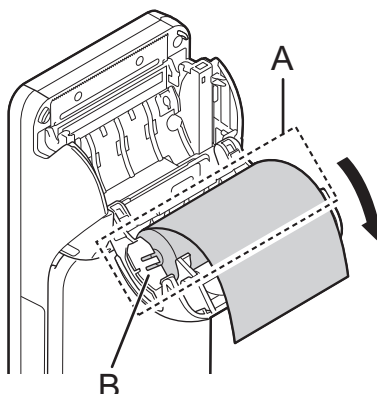
1. Press and hold the power button until the power options dialog is displayed.
2. Tap **[Power off]**.
 - To restart the unit, tap **[Restart]**.

Attaching the roll paper

1. Cut about 10 cm off the end of new roll paper.
2. Press up on the part labeled "PUSH" on the printer cover (①), and pull up to open (②).

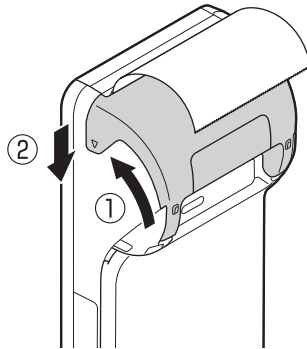


3. Set the roll paper into the roll paper compartment (A).
 - Set so that the protrusion of the roll paper holder (B) is inserted into the center of the roll paper.
 - Set the roll paper so that the end faces out as shown in the figure. The unit cannot print if the roll paper is set in the opposite direction.



4. Pull out the roll paper so that about 1 to 5 cm of the end is out from the printer cover.
 - Pull out the roll paper straight. Pulling at an angle will cause paper jams.
5. Gently lift and close the printer cover so that the roll paper does not fall out from the compartment (①), and press the sides in the direction of the arrow until you hear a click (②).
 - The cover will not close if the roll paper is removed from the roll paper holder. Set the roll paper again instead of forcefully trying to close it.

- Make sure you firmly close the printer cover. If you start printing without firmly closing the cover, the paper will jam or printing will not work correctly.



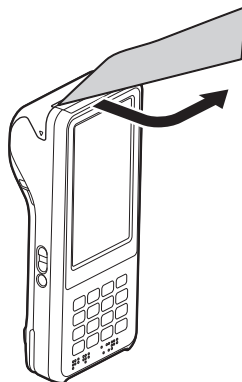
6. Cut the roll paper output from the roll paper outlet (page 14).

IMPORTANT

- Make sure you use the specified roll paper.
- Roll paper reacts to heat and chemicals and changes color because it is heat sensitive. During storage, keep it away from light, heat, volatile chemicals such as alcohol and thinner, UV light, and polyvinyl chloride supplies and adhesive tape.
- Paper dust building up in the printer can cause defective printing. Carefully remove it so that you do not damage the parts by using a dry cotton swab, etc.
- The speed of the printer varies depending on the operating environment and print content. The speed may be reduced especially in extreme temperature environments or when the battery level is low.
- When there is little roll paper remaining, red lines are displayed on both edges of the roll paper. Replace it with a new one.

Cutting the roll paper

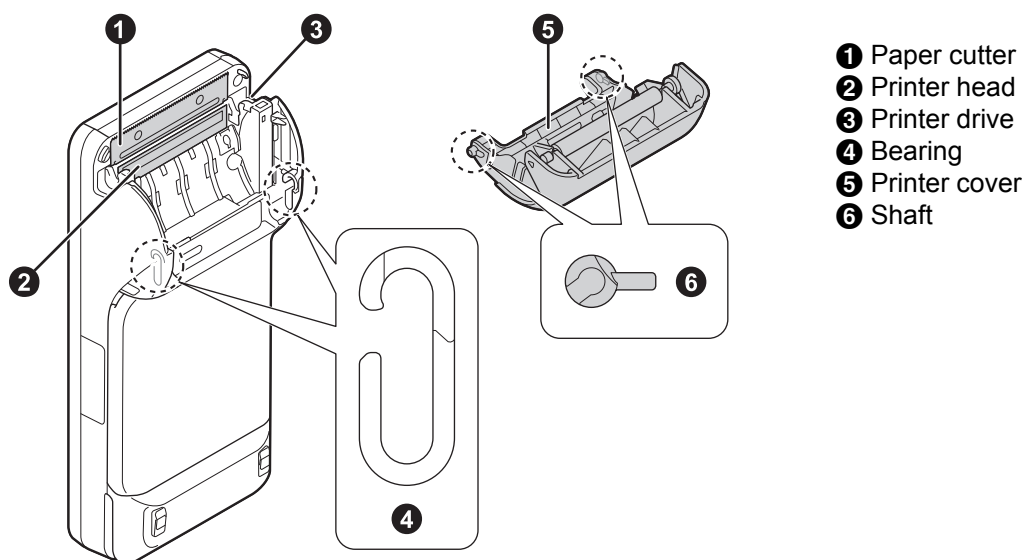
Cut the roll paper by pulling it toward you at an angle as shown below.



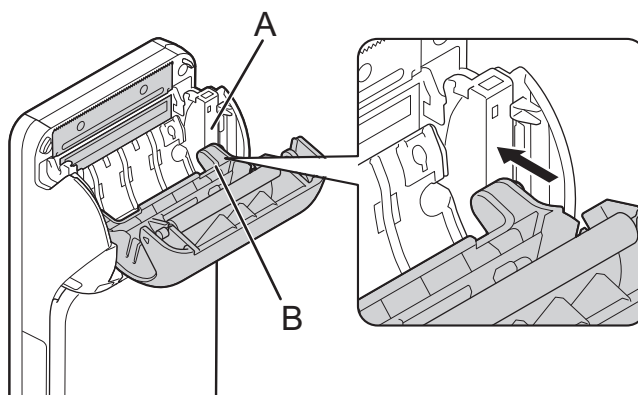
Attaching the printer cover

If the printer cover is removed, use the following procedure to attach it.

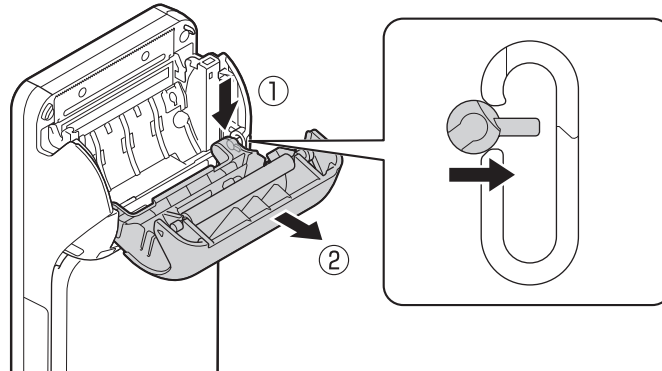
- When attaching the printer cover, take care so that you do not touch the printer head, printer drive, and paper cutter.



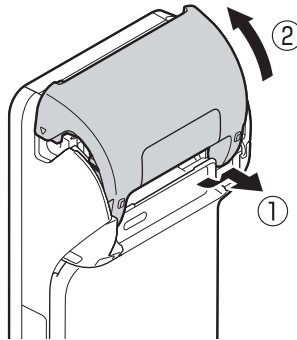
- Insert the printer cover into the unit's printer as shown in the figure.
 - Insert the attachment part (B) of the printer cover into the A position in the figure.



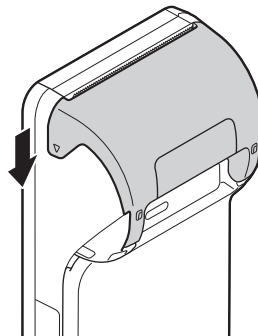
2. Move the printer cover to the bottom of the printer (①), and pull in the direction of the arrow in the figure (②) to align the printer cover shafts and the bearings.
 - If the printer cover shafts and the bearings are not aligned, the printer cover will come off. Make sure to move the printer cover to the bottom of the printer.



3. Raise (①) and close (②) the printer cover to insert the printer cover shafts into the bearings.



4. Press the printer cover in the direction of the arrow until you hear a click.



IMPORTANT

- Do not forcefully press on the bearings because the shafts may break.

If the roll paper jams

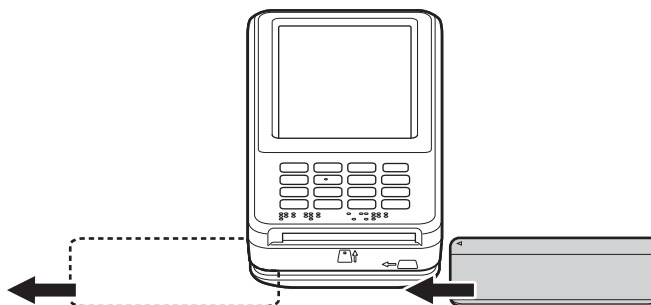
1. Open the printer cover (page 13).
2. Remove the roll paper and cut off the wrinkled or dirty part.
3. Set the roll paper (page 13).
 - If the roll paper is deformed such as being smashed, make it round again.

IMPORTANT

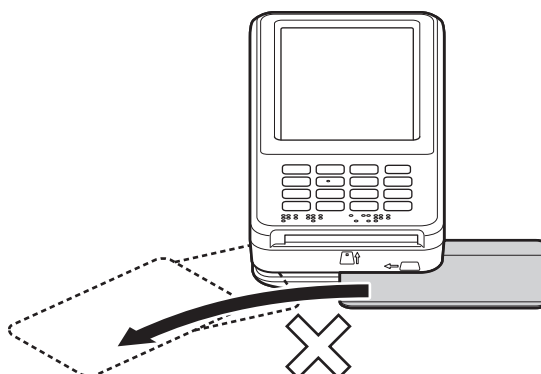
- If the roll paper jams, make sure printing is finished before opening the printer cover.

Reading the magnetic stripe card

1. Insert the magnetic card into the card reader with the magnetic strip side facing down, and slide from right to left.
 - Slide the card at a steady speed.

**IMPORTANT**

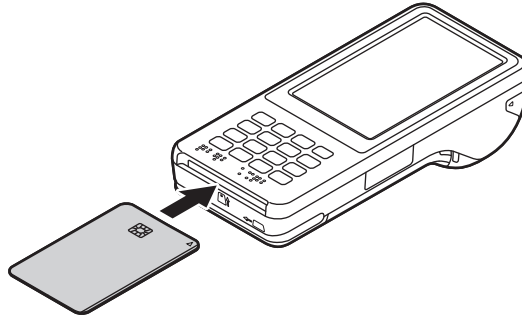
- Do not use objects other than the magnetic card and cleaning card.
- Do not use a wet card.
- Slide the card straight. If you slide it in an arc, the card may not be read correctly.



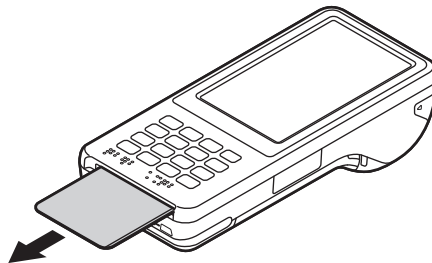
- When cleaning, use a cleaning card and repeat step 1 several times.

Reading the smart card

1. Insert the smart card all the way into the smart card reader with the contact part facing up.



2. When reading is complete, pull out the card.
 - Keep the card inserted until reading is complete.

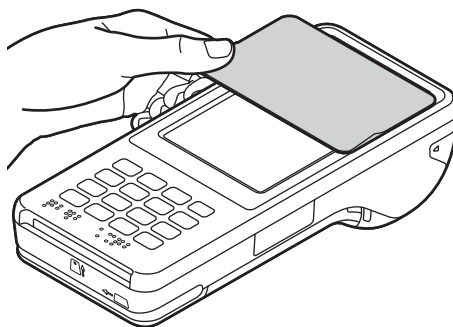


IMPORTANT

- Do not insert objects other than the smart card and cleaning card.
- Do not use a wet card.
- Wipe dirt off the contact part of the card before use.
- When cleaning, use a cleaning card and repeat steps 1 and 2 several times.

Reading the contactless IC card (JT-C522GD series only)

1. Place the center of the contactless IC card over the guide (such as the FeliCa mark) displayed on the screen.
 - The displayed guide varies depending on the card.



IMPORTANT

- Perform contactless IC card transactions in areas with good signal strength.
- If the card cannot be read, move the card around and try again.
- Keep at least 10 cm away from other contactless IC card readers/writers during use. Otherwise the card may not be read correctly.

Input

Typing and voice input

The unit's keyboard is displayed automatically when you tap a text entry field or when you are prompted to enter information. You can type using the on-screen keyboard; in some cases, you can also enter text by speaking.

Using the keyboard

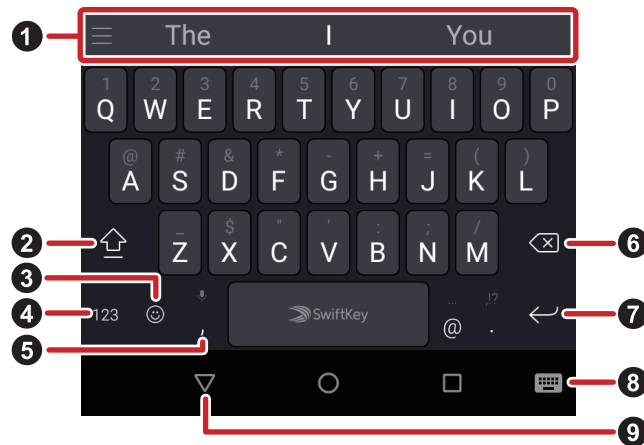
Changing the default keyboard

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[System]** → **[Languages & input]**.
2. Tap **[Virtual keyboard]**, and then select the desired keyboard.

Changing the keyboard language

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[System]** → **[Languages & input]**.
2. Tap **[Virtual keyboard]**, select the desired keyboard, and then configure the desired settings according to your needs.
 - If the desired keyboard is not shown, tap **[Virtual keyboard]** → **[Manage keyboards]**, and then select the desired keyboard.

Using the SwiftKey keyboard



1 Tool bar/Text replacement

Some commonly displayed icons are explained below. However, while entering text, text replacements are displayed.



: Displays the settings menu.



: Changes the settings related to keyboard and character input.



: Changes the theme of the keyboard.



: Clipboard can be used.

② Uppercase/lowercase letter key

Switches uppercase and lower case letters. Tap two times to lock to uppercase letters.

③ Pictogram key

Enters pictograms and smileys.

④ Input switching key

Switches to alphabet/number and symbol mode.

⑤ Google voice typing key

Tap and hold to switch to Google voice typing mode.

⑥ Delete key

Deletes the character to the left of the cursor.

⑦ Line feed key

Inserts line feeds in text.

⑧ Keyboard conversion key

Changes the virtual keyboard (page 20).

⑨ Close the keyboard

Connectivity

WLAN

You can use the unit to connect to a wireless LAN access point and access emails and the Internet.

Turning WLAN on and off

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Network & Internet]** → **[WLAN]**.
2. Tap the switch to turn WLAN on or off.

Connecting to a WLAN access point

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Network & Internet]** → **[WLAN]**.
 - Make sure that WLAN is turned on.
2. Select the desired network name.
 - If the desired network name is not displayed, you may need to enter the network name (SSID) manually. See “Entering the network name (SSID) manually” (page 22) for more information.
3. If you are connecting to a network with security protection, enter the password.
4. Tap **[CONNECT]**.

Entering the network name (SSID) manually

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Network & Internet]** → **[WLAN]**.
 - Make sure that WLAN is turned on.
2. Tap **[Add network]**.
3. Enter the network name (SSID), then select the network’s security type and enter the password, if required.
 - Select the security type from **[None]**, **[WEP]**, **[WPA/WPA2 PSK]**, or **[802.1x EAP]**.
4. Tap **[SAVE]**.

Selecting the frequency band used for WLAN

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Network & Internet]** → **[WLAN]**.
 - Make sure that WLAN is turned on.
2. Tap **[WLAN preferences]** → **[Advanced]** → **[WLAN frequency band]**.
3. Select the desired setting.

Setting a portable WLAN access point (models supporting cellular transmission only)

You can use the unit as a WLAN access point to connect other devices that are compatible with wireless LAN to the Internet.

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Network & Internet]** → **[Hotspot & tethering]**.
2. Tap the **[WLAN hotspot]** switch to turn it on.
3. Tap **[Set up WLAN hotspot]**.
4. Configure the network name, security type, and password as desired, and then tap **[SAVE]**.

Using peer-to-peer WLAN connections (WLAN Direct)

The unit can establish peer-to-peer connections with other devices that are compatible with WLAN Direct. This allows you to directly send and receive data between the unit and other devices without using a wireless access point.

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Network & Internet]** → **[WLAN]**.
 - Make sure that WLAN is turned on.
2. Tap **[WLAN preferences]** → **[Advanced]** → **[WLAN Direct]**.
3. Select the desired settings and functions as necessary.
 - Available devices are displayed under **[Peer devices]**.

Bluetooth

You can use the unit to connect to other Bluetooth-compatible devices.

Turning Bluetooth on and off

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Connected devices]** → **[Bluetooth]**.
2. Tap the switch to turn Bluetooth on or off.

Pairing a Bluetooth device

Use this procedure to use the unit to initiate the pairing process, such as when pairing a Bluetooth headset.

- Make sure that Bluetooth is turned on, and set the other Bluetooth device to pairing mode or discoverable mode. (Refer to the instruction manuals included with the other device for details.)
1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Connected devices]** → **[Bluetooth]** → **[Pair new device]**.
 - The unit searches for nearby Bluetooth devices, and the names of Bluetooth devices available for pairing are displayed.
 2. Tap the name of the device that you want to pair with the unit.
 3. Follow the on-screen instructions.

Note

- When the unit receives a connection request from the other Bluetooth device, a pairing request screen is displayed. Follow the on-screen instructions.

Removing a paired Bluetooth device

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Connected devices]** → **[Bluetooth]**.
2. Tap  → **[FORGET]** of the paired device that you want to remove.

Airplane mode

When using the unit where wireless connections are prohibited, such as on airplanes and in hospitals, you can turn off all wireless connections by enabling airplane mode. Once you have turned on airplane mode, you can manually turn certain wireless communication features on again, such as WLAN and Bluetooth.

Turning airplane mode on and off

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Network & Internet]**.
2. Tap the **[Airplane mode]** switch to turn it on or off.

Settings

Accessibility settings

The unit provides a variety of settings that allow you to change how the user and unit interact.

1. Swipe up the home screen, and then in the app list, tap **[Settings]** → **[Accessibility]**.
2. Select the desired feature or option and configure it as desired.
 - **[Volume key shortcut]**: Allows you to press and hold both volume buttons to start the selected accessibility feature.
 - **[Select to Speak]**: Allows you to tap specific items on your screen to hear them read aloud.
 - **[TalkBack]** (models with GMS only): Reads items on the screen aloud.
 - **[Text-to-speech output]**: Allows you to configure the unit's text-to-speech features.
 - **[Font size]**: Allows you to make the text on the screen smaller or larger.
 - **[Display size]**: Allows you to make the items on your screen smaller or larger.

Troubleshooting

General information

If you experience any trouble while using the unit, refer to the information in this section for troubleshooting. If the problem persists, contact your technical support representative.

Starting up

The unit does not turn on.

- To turn the unit on, press and hold the power button until the unit briefly vibrates.
- The battery level may be low or completely discharged. Charge the battery.
- The unit may be too hot or too cold. Leave the unit in an environment of 5 °C to 35 °C for about an hour, and then try again.

The unit does not wake up from sleep.

- The battery may have become completely discharged while the unit was in sleep mode. In this case, any data which has not been saved will be lost. Charge the battery.
- The unit may be too hot or too cold. Leave the unit in an environment of 5 °C to 35 °C for about an hour, and then try again.

Nothing appears on the screen.

- The unit is in sleep mode. Press the power button.
- Charge the battery.
- Install the battery correctly.
- Replace the battery with a fully-charged one.

Other startup problems

- Disconnect and remove all peripheral devices.

Shutting down

The unit does not turn off.

- It may take one or two minutes for the unit to turn off. This is not a malfunction.
- Press and hold the power button for at least 10 seconds to force the unit to restart, and then try again.
- Disconnect and remove all peripheral devices.

Indicator

The indicator flashes in orange.

- The battery cannot be charged temporarily because the ambient temperature is too low or too high. Leave the unit in an environment of 5 °C to 35 °C for about an hour, then charge again.

The indicator lights in red.

- The remaining battery level is approximately 19 % or less of a full charge. Charge the battery.

The indicator flashes in red.

- Battery authentication failed. Use only a specified battery.
- There may be debris lodged in the battery charge terminals. Remove the battery and remove any debris found.
- Charging may have stopped automatically. Disconnect the charger and then reconnect it.

The indicator does not light during charging.

Battery charging ends quickly, or the battery cannot be charged at all.

- The charger is not connected properly. Confirm all connections.
- There may be debris lodged in the battery charge terminals. Remove the battery and remove any debris found.
- Replace the battery with a new one.

Appendix

Regulatory information

For USA models

FCC RF exposure information

The highest SAR value for this product as reported to the FCC is listed below:

Highest value (W/kg)
0.71

For Canada models / Pour les modèles du Canada

RF exposure information

The highest SAR value for this product as reported to the ISED is listed below:

Highest value (W/kg)
0.71

Information sur l'exposition aux radiofréquences (RF)

La valeur de DAS la plus élevée obtenue pour ce produit, telle que rapportée à l'ISDE lors des essais pour une utilisation près de l'oreille, est telle que décrite ci-dessous :

Valeur la plus élevée (W/kg)
0,71

Specifications

Typical unit specifications and certain options are described below.

Unit configuration may vary.

Model No.	JT-C52
Memory	2 GB ^{*1}
Storage	16 GB
Display	Internal LCD 4.0 in. HD (1280 × 720 dots), Aspect ratio 16:9 16 777 216 colors
WLAN	Standards supported IEEE 802.11a / IEEE 802.11b / IEEE 802.11g / IEEE 802.11n Transmission method OFDM system, DSSS system Wireless channels used IEEE 802.11a / IEEE 802.11n (5 GHz) • W52 (36, 38, 40, 44, 46, 48 ch) • W53 (52, 54, 56, 60, 62, 64 ch) • W56 (100, 102, 104, 108, 110, 112, 116, 118, 120, 124, 126, 128, 132, 134, 136, 140 ch) • W58 (149, 151, 153, 157, 159, 161, 165 ch) IEEE 802.11b / IEEE 802.11g / IEEE 802.11n (2.4 GHz): 1 ch - 11 ch RF frequency band 2.4 GHz Band: 2.412 GHz - 2.462 GHz 5 GHz Band: 5.18 GHz - 5.32 GHz, 5.5 GHz - 5.7 GHz, 5.745 GHz - 5.825 GHz Data transfer rate IEEE 802.11a: 54 Mbps IEEE 802.11b: 11 Mbps IEEE 802.11g: 54 Mbps IEEE 802.11n: • HT20: 72.2 Mbps • HT40: 150 Mbps
Bluetooth	Bluetooth v4.2, Class 1 Transmission method FHSS system Wireless channels used 0 - 78 ch (Low energy: 0 - 39 ch) RF frequency band 2402 MHz - 2480 MHz
Payment security	PCI-PTS v4.1 certified with SRED (for P2PE)
Camera	8 megapixels Readable codes Code128 (GS1-128), NW-7, QR code
GNSS	GPS/GLONASS CEP50 (±2 to 4 m)
Sensors	Ambient light sensor, Acceleration sensor

NFC	Built-in ISO/IEC 21481 Type A, Type B
Interfaces	USB 2.0 port ×1 ^{*2}
Touchscreen	10-finger touch (capacitive)
Power supply	Battery Pack
AC adaptor	CF-AA6413A ^{*3}
Battery (FZ-VZSUN100U)	Lithium-ion 3200 mAh (typ.) / 3100 mAh (min.) Rated Voltage 3.8 V Charging time (approx.)^{*4} 3 hours
Dimensions^{*5} (W × D × H)	Approx. 80 mm × 183 mm × 49 mm without protrusions
Weight^{*6}	Approx. 445 g with the Battery Pack
Operating environment^{*7}	Temperature -5 °C to 50 °C Humidity 30 % to 80 % RH
Storage environment	Temperature -20 °C to 60 °C Humidity 30 % to 90 % RH
Operating system^{*8}	Android 8.1

Specifications are subject to change without notice.

^{*1} 1 MB = 1 048 576 bytes, 1 GB = 1 073 741 824 bytes

^{*2} Does not guarantee operation of all USB-compatible peripherals.

^{*3} The AC adaptor is designed for use with power sources that supply up to 240 V AC. The AC cord supplied with the AC adaptor is designed for use with power sources that supply up to 125 V AC.

^{*4} Varies depending on usage conditions.

^{*5} Actual size may vary by unit configuration.

^{*6} Average weight. Actual weight may vary by unit configuration.

^{*7} Product or application booting can dependent upon the battery charge level.

Do not expose the skin to this product when using the product in a hot or cold environment.

When using the product in hot or cold environments, some peripherals may not perform properly. Confirm the recommended operation environment of the peripherals.

Using the product continuously in hot environments will shorten the product life. Avoid continuous use in these types of environments.

When using the product in cold environments, the product may take longer to start up and battery operation time may be reduced.

Even when using the product within the temperature and humidity ranges listed here, using the product continuously in extreme environments will result in product deterioration and will shorten the life of the product.

^{*8} Product functionality cannot be guaranteed if the operating system is modified or replaced by the user or a third party.

WARRANTY for U.S.A

Panasonic System Solutions Company of North America (PSSNA)
Computer Products - Worldwide Warranties

Section 1: Limited Warranty - Hardware

PSSNA, referred to hereinafter as "Panasonic", will repair the computer products listed below ("Product(s)") with new or rebuilt parts, free of charge in a Global Panasonic designated service location or Panasonic Authorized Service Center for the period specified below from the date of original purchase in the event of a defect in materials or workmanship.

These warranties are extended solely to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty performance is rendered.

- Laptop PC (CF-##) – 3 Years
- Tablet PC / Handheld (FZ-## / JT-##) – 3 Years
- Ultra-Mobile (CF-U#/CF-H# Series) – 3 Years
- PDRC - LCD & Keyboard Assembly – 3 Years

Original Battery Warranty

Batteries supplied with the product are covered under the warranty for one (1) year from date of purchase. Batteries purchased separately are covered under the warranty for one (1) year from the date of purchase. A replacement battery furnished under the product warranty is covered for the remaining period of the one year warranty of the original or purchased battery.

Optional: Extended Warranty Program (PC)

If this coverage is purchased, the serial numbered Product is entitled to the same manufacturer's warranty coverage on the Product with the exception of the battery. The cost of labor, parts, and shipping are included in the price of the Extended Warranty Program.

Optional: Panasonic "Protection Plus" Warranty

Any Product for which the Panasonic "Protection Plus" warranty has been purchased will receive additional coverage for any failure that occurs due to accidental damage. All other terms and conditions of the standard warranty apply and this additional coverage will exist for the duration of the standard warranty period of the Product.

If an extended Protection Plus warranty program is purchased, coverage is extended to the end of the last year of extended coverage purchased.

This warranty does not cover failures or defects that are caused by fire, intentional acts, loss, theft, improper maintenance, modification or service by anyone other than a Panasonic Authorized Service Provider, or damage that is attributable to acts of God.

Cosmetic damage that does not affect functionality is not covered. Cosmetic damage on Products with hardware failures will be repaired in accordance with the warranty terms. This warranty is extended solely to the original purchaser on the Product's serial number for which it was purchased.

Complete Product replacement fulfills the full obligation and is at the discretion of Panasonic and is limited to once during the coverage term.

Refer to the Panasonic website for full terms and conditions on the above programs.

- Additional exclusions apply – please refer to limited warranty exclusions section below.

Optional: Panasonic "Ultimate Care" Warranty

Any Product for which the Panasonic "Ultimate Care" warranty program has been purchased will receive additional coverage as specified in that program, for any failure that occurs due to accidental damage.

All other terms and conditions of the standard warranty will apply and this additional warranty coverage will exist for the duration of the standard warranty period of the applicable Product. If an extended warranty

is purchased for the Product together with the Ultimate Care warranty program coverage, the warranty term will be extended to the end of the last year of the purchased extended warranty coverage. The Ultimate Care warranty will cover any hardware failures occurring due to accidental damage of the Product with an exclusion only of customer intentional acts and damage caused by events beyond human control, for up to a maximum of 1 % of the total of Products deployed for a specific customer. This includes unlimited replacement of major sub-assemblies and components of the Product during the standard warranty term and any extended warranty term plan that has been purchased by the customer. This also includes cosmetic damages that may result from exposure of the internal components of the Product to the environmental conditions.

- Additional exclusions apply – please refer to limited warranty exclusions section below.

Wireless Module Warranty

Panasonic approved wireless modems installed in Panasonic brand computers and integrated by Panasonic or an Authorized Panasonic Wireless Integrator are covered under the warranty for the remaining warranty period of the device in which the modem is installed. For devices with less than three (3) months remaining on the unit warranty, the wireless modem will be covered for a period of three (3) months from the date of installation of the modem, covering only modem replacement or modem installation related issues.

All modems must be approved by the wireless carrier prior to use. Any use or attempted use of a wireless modem not approved and activated by the carrier for use on their network is strictly prohibited and is not sanctioned or warranted by Panasonic and may result in legal action. In addition, all modems must be approved by Panasonic as compatible with the device hardware before installation or use.

Panasonic's sole responsibility for the warranty or technical support of the software required to install or operate the modem is defined in Section 2 (Limited Software Warranty). Any attempted software installation by anyone other than a Panasonic Authorized Wireless Integrator is not covered under warranty and may result in service charges.

Installation or attempted installation by any party other than Panasonic or an Authorized Panasonic Wireless Integrator is strictly not covered under the warranty and may void the computer warranty if damage results.

Options and Accessories Warranties

The below listed Panasonic brand or supplied options and accessories are covered under this limited warranty for the period specified from the date of purchase or as specifically stated:

- AC adaptor / Power Cord – 3 Years
- Memory Expansion Card (Panasonic Brand) – 3 Years
- Car Mount - Docking Station PCB or Vehicle Docking Station – 3 Years
- Desktop Port Replicator, I-O Box, Docking Cradle (like CF-U1) – 3 Years
- Antenna Pass-through Cable – 3 Years
- Backlit or Full-sized keyboard – 3 Years or assumes warranty of the unit in which it is installed
- Integrated Panasonic supplied options and kits including, but not limited to Wireless Modems, Media Bay Drives (Floppy, CD, DVD, Combo), Camera, GPS, Bluetooth, Smartcard Reader, Magnetic Card Reader, Barcode Scanner, and Fingerprint Reader – 3 Years or assumes warranty period of the unit in which it is installed provided the integration was performed by Panasonic or an Authorized Integrator.
- Hard Drive / Solid State Drive (Internal) - 3 Years
- Separately purchased 2nd Hard Drive – 1 Year
- External USB Drives (CD / DVD / Floppy / Hard Drive) – 1 Year
- Optional Battery – 1 Year
- Battery Charger / Multi-Bay Battery Charger – 1 Year
- Stylus Pens, Digitizer & Standard – 90 Days (physical damage excluded)

Section 2: Limited Warranty - Software

Panasonic warrants to you only that the disk(s) or other media on which the Programs are furnished will be free from defects in material and workmanship under normal use for a period of sixty (60) days from the date of delivery thereof to you, as evidenced by your purchase receipt.

This is the only warranty Panasonic makes to you.

Panasonic does not warrant that the functions contained in the Programs will meet your requirements or that the operation of the Programs will be uninterrupted or error free.

Panasonic shall have no obligation for any defects in the disk(s) or other media on which the Programs are furnished resulting from your storage thereof, or for defects that have been caused by operation of the disk(s) or other media.

Panasonic's entire liability and your exclusive remedy under this warranty shall be limited to the replacement, in the United States or other Panasonic designated location, of any defective disk or other media which is returned to Panasonic's Authorized Service Center, together with a copy of the purchase receipt, within the aforesaid warranty period.

Section 3: Limited Warranty Exclusions - Specifically excluded from the warranty are:

- All consumable items; such as screen protection films, logo badges, labels, cleaning cloths, carry cases, manuals, cables, straps, belts, holsters, tethers, and harnesses and any other options and accessories not listed above or covered under a separate warranty
- The Warranty excludes 3 or less faulty pixels on the LCD screen
- Failures related to the product operating system, hard drive or solid state drive image, software setup, software program, virus, other program(s) or file(s) on any drive or in any computer memory location
- Failures due to BIOS settings or changes, as well as any cosmetic or physical damage to the unit
- Any unit or device with a missing or altered model number or serial number label
- Cosmetic damage or any damage which occurs in shipment
- Failures which are caused by products not supplied by Panasonic
- Failures which result from alteration, accident, misuse, introduction of liquid or other foreign matter into the unit, abuse, neglect, installation, maladjustment of consumer controls, improper maintenance or modification, use not in accordance with product use instructions
- Failures due to service by anyone other than a Panasonic Authorized Service Provider
- Failures caused by improper installation of options or accessories or due to integration by any company other than Panasonic or a Panasonic Authorized Service Center
- Damage, failure, or loss due to the unit being stolen, lost, misplaced, or used by anyone other than the original purchaser
- Damage that is attributable to acts of God
- * Protection Plus and Ultimate Care warranty programs provide protection against accidental damage. Neither program is intended to provide product refurbishment due to normal wear and tear through normal use.
- * Customers who have twenty (20) or more units requiring service are required to contact Panasonic at 800-527-8675 and request Field Engineering assistance to coordinate higher volume repairs.

This limited warranty only covers failures due to defects in materials or workmanship which occur during normal use. If a unit is sent to a Panasonic Authorized Service Center and no hardware failure is found, the customer will be billed for labor to correct a software issue or reimage the applicable Hard Disk, or Solid State Drive plus shipping and applicable administrative fees at the current rates set by the service provider.

THIS PRODUCT IS NOT INTENDED FOR USE AS OR PART OF NUCLEAR EQUIPMENT/SYSTEMS, AIR TRAFFIC CONTROL EQUIPMENT/SYSTEMS, OR AIRCRAFT COCKPIT EQUIPMENT/SYSTEMS^{*1}. PANASONIC WILL NOT BE RESPONSIBLE FOR ANY LIABILITY RESULTING FROM THE USE OF THIS PRODUCT ARISING OUT OF THE FOREGOING USES.

^{*1} AIRCRAFT COCKPIT EQUIPMENT/SYSTEMS include class 2 Electronic Flight Bag (EFB) Systems and Class 1 EFB Systems when used during critical phases of flight (e.g., during take-off and landing) and/or mounted onto the aircraft. Class 1 EFB Systems and 2 EFB Systems are defined by FAA: AC (Advisory Circular) 120-76A or JAA: JAA TGL (Temporary Guidance Leaflets) No. 36.

Other Limits and Exclusions: There are no other express warranties except as listed above.

PANASONIC SHALL NOT BE LIABLE FOR LOSS OF DATA OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For technical support or to arrange for service on your Panasonic computer product, call our toll-free hotline at 1-800-LAPTOP5 [option 1] (800-527-8675).

WARRANTY for Canada

For Canada

PANASONIC COMPUTER AND PERIPHERALS LIMITED WARRANTY

Coverage – Panasonic Canada Inc. ("PCI") warrants to you, the first end user customer, this computer product (excluding software media), when purchased from PCI or from a PCI authorized reseller, to be free from defects in materials and workmanship under normal use, subject to the terms set forth below, during the period of warranty coverage specified.

Scope of Coverage	Period of Coverage	Type of Failure Coverage
- Laptop Computers (except Battery) and AC Adaptor - Factory/PCI installed options including Wireless WAN, GPS, Bluetooth, Finger print reader, Backlit keyboard, Memory Card, Optical Drives, Cameras, Smart card Readers, Magnetic Card Readers and Barcode Scanners - Ultra-Mobile PC - Tablet PC - PDRC – LCD and Keyboard Assemblies - Port Replicator - Cradle - Charging Cup	Three (3) Years from Date of Original End User Customer Purchase	Defective Materials or Workmanship
- Battery - Battery charger - AC Adaptor and Power Cord - Car Adaptor and Power Cord - External USB Drives	One (1) Year from Date of Original End User Customer Purchase	Defective Materials or Workmanship
Standard or Digitizer Stylus Pen	Ninety (90) Days from Date of Original End User Customer Purchase	Defective Materials or Workmanship
All consumable items including protection film, cleaning cloth, carry case, tether and harness	No Coverage	

Remedy – In the event of a warranty claim, contact PCI's representatives within the applicable warranty period, identifying the nature of the defect claimed, at 1-800-668-8386 between 9:00 A.M. and 5:00 P.M., Eastern Time Zone, Mon. – Fri. (excluding holidays) for instructions on how to obtain service. A purchase receipt or other proof of date of original purchase is required before warranty service is performed. Defective parts covered by this Limited Warranty will be repaired or replaced with new or comparable rebuilt parts on an exchange basis. Warranty replacement or repair is subject to the terms of this Limited Warranty for the balance of the original period of warranty coverage.

No Coverage – This Limited Warranty does not cover products purchased outside Canada. Neither does it cover damage to, failure of, or defects in a product or accessory through mishandling, improper installation, abnormal use, misuse, neglect, accident, introduction of liquid or other foreign matter into the product, alteration or servicing by anyone not authorized by PCI, or act of God.

THIS PRODUCT IS NOT INTENDED FOR USE AS, OR AS PART OF, NUCLEAR EQUIPMENT/ SYSTEMS, AIR TRAFFIC CONTROL EQUIPMENT/SYSTEMS, OR AIRCRAFT COCKPIT EQUIPMENT/

SYSTEMS¹. PANASONIC WILL NOT BE RESPONSIBLE FOR ANY LIABILITY RESULTING FROM THE USE OF THIS PRODUCT ARISING OUT OF THE FOREGOING USES.

¹ AIRCRAFT COCKPIT EQUIPMENT/SYSTEMS include Class2 Electrical Flight Bag (EFB) Systems and Class1 EFB Systems when used during critical phases of flight (e.g., during take-off and landing) and/or mounted on to the aircraft. Class1 EFB Systems and 2 EFB Systems are defined by FAA: AC (Advisory Circular) 120-76A or JAA: JAA TGL (Temporary Guidance Leaflets) No.36

IF YOU SHIP THE PRODUCT FOR WARRANTY SERVICE

Carefully pack the product, preferably in the original carton. Include details of defect claimed and proof of date of original purchase. No liability is assumed for loss or damage to the product while in transit, if you chose your own transportation carrier.

SOFTWARE MEDIA LIMITED WARRANTY

Coverage – PCI warrants to you, the first end user customer, that the disk(s) or other media on which software program(s) is/are supplied will be free from defects in materials and workmanship under normal use in Canada for a period of sixty (60) days from date of receipt as evidenced by your purchase receipt for your Panasonic Computer product.

THIS IS THE ONLY WARRANTY THAT PCI MAKES RESPECTING THE SOFTWARE MEDIA. PCI does not warrant the software. Please refer to the software licensor's written warranty (accompanying the copy of the software) for any software warranty claim.

Claim Procedure – In the event of a defect in material or workmanship in the media during the sixty (60) day warranty period, and you return it, transportation costs prepaid, to Panasonic Canada Inc., Computer Products Marketing, 5770 Ambler Drive, Mississauga, Ontario L4W 2T3, within the warranty period, together with a copy of your purchase receipt, and an explanation of the suspected defect, PCI will replace in Canada the defective disk(s) or other media.

Remedy – PCI's entire liability, and your only remedy for any breach of this software media warranty is limited to replacement of the media only. It does not cover any other damages, including, but not limited to, loss of use or profit loss, or special, indirect or consequential damages, or other claims, whether or not of similar character.

No Coverage – This limited warranty does not apply if the disk(s) or other media has been used in other than a Panasonic product, or in environmental conditions other than those specified by PCI or the manufacturer, or if subjected to misuse, neglect, mishandling, modification or attempted modification of the program, or if damaged by accident or act of God. PCI is not responsible for damage to or loss of any program, data or removable storage media.

GENERAL

NO OTHER WARRANTIES – PCI DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE SOFTWARE, SOFTWARE MEDIA, COMPUTER PRODUCT, OPTIONS AND ACCESSORIES.

NO LIABILITY FOR CONSEQUENTIAL DAMAGES – IN NO EVENT SHALL PCI BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING FROM ANY BREACH OF THE LIMITED WARRANTIES SET OUT IN THIS DOCUMENT, OR FROM THE USE OF THE COMPUTER PRODUCT, INCLUDING, WITHOUT LIMITATION, LOSS OF DATA, BUSINESS, PROFIT OR GOODWILL.

IN ANY EVENT, PCI'S MAXIMUM LIABILITY FOR ANY BREACH SHALL NOT EXCEED THE AMOUNT ACTUALLY PAID BY YOU FOR THE COMPUTER PRODUCT.

NO ACTION, REGARDLESS OF ITS BASIS, MAY BE BEGUN AGAINST PCI MORE THAN TWO (2) YEARS AFTER THE CAUSE OF ACTION AROSE.

Statutory Warranties – Some jurisdictions do not allow these limitations or exclusions, so they may not apply to you.

Pour le Canada**GARANTIE LIMITÉE – ORDINATEURS ET PÉRIPHÉRIQUES PANASONIC**

Couverture – Panasonic Canada Inc. (« PCI ») garantit à l'acheteur original que ce produit informatique (à l'exclusion des supports des logiciels) est, au moment de sa vente par PCI ou d'un revendeur agréé par PCI, exempt de défauts de pièces et de fabrication dans les conditions normales d'utilisation, et ce, pendant la période de couverture de la garantie, sous réserve des modalités décrites ci-dessous.

Éléments couverts	Durée de couverture	Type de couverture
• Ordinateurs blocs-notes (sauf batteries) et adaptateur secteur • Options installées en usine/par PCI incluant : WAN sans fil, GPS, Bluetooth, lecteur d'empreintes digitales, clavier rétroéclairé, carte mémoire, lecteurs optiques, caméras, lecteurs de carte à puce, lecteurs de carte magnétique et scanners de code-barres • Ordinateurs personnels ultra-portables • Ordinateurs tablettes • Ensembles PDRC – ACL et clavier • Duplicateur de port • Station d'accueil • Coque de charge	Trois (3) ans à partir de la date d'achat original.	Défauts de pièces et de fabrication
• Batterie • Chargeur de batterie • Adaptateur secteur et cordon d'alimentation • Adaptateur automobile et cordon d'alimentation • Périphériques USB	Un (1) an à partir de la date d'achat original.	Défauts de pièces et de fabrication
• Stylo pointe standard ou pour numériseur graphique	Quatre-vingt-dix (90) jours à partir de la date d'achat original.	Défauts de pièces et de fabrication
• Tous les articles consommables incluant les pellicules protectrices, chiffons de nettoyage, étuis de transport, longes et sangles	Aucune couverture	

Recours – Pour obtenir des informations sur la marche à suivre dans le cas où une réclamation en vertu de la garantie deviendrait nécessaire, communiquez par téléphone avec un représentant de PCI au 1-800-668-8386, entre 9h00 et 17h00 (heure de l'Est) du lundi au vendredi (sauf les jours fériés), avant l'échéance de la garantie applicable, en prenant soin d'identifier la nature de la défaillance. Un reçu ou toute autre pièce justificative de la date d'achat original sera exigé avant toute réparation. Toute pièce défectueuse couverte par la présente garantie limitée sera réparée ou remplacée par une pièce neuve ou remise à neuf. Le remplacement ou la réparation sera fait conformément aux modalités de la présente garantie limitée pendant la durée restante de la période originale de la garantie.

Produits non couverts – La présente garantie limitée ne couvre pas les produits achetés à l'extérieur du Canada. Elle ne couvre pas non plus les dommages, la défaillance ou les défauts attribuables à une manutention inadéquate, une mauvaise installation, une utilisation anormale ou abusive, de la négligence, un accident, un déversement ou la pénétration d'un objet étranger, une modification, un cas fortuit ou une réparation effectuée par une personne non agréée par PCI.

CE PRODUIT N'EST PAS DESTINÉ À ÊTRE UTILISÉ, EN TOUT OU EN PARTIE, COMME SYSTÈME/ÉQUIPEMENT NUCLÉAIRE, SYSTÈME/ÉQUIPEMENT DE CONTRÔLE DU TRAFIC AÉRIEN OU SYSTÈME/ÉQUIPEMENT DE POSTE DE PILOTAGE D'AVION¹. PANASONIC DÉCLINE TOUTE

RESPONSABILITÉ CONCERNANT L'UTILISATION DE CE PRODUIT DANS LES CAS SUSMENTIONNÉS.

- *1 Les SYSTÈMES/ÉQUIPEMENTS DE POSTE DE PILOTAGE D'AVION sont dotés de systèmes OEPP (organiseur électronique de poste de pilotage) de classe 2 et de classe 1 utilisés pendant des phases critiques de vol (par exemple, pendant le décollage et l'atterrissage) et/ou montés sur l'avion. Les systèmes OEPP de classe 1 et de classe 2 sont définis par le circulaire d'information FAA : AC (Advisory Circular) 120-76A ou le feuillet JAA : JAA TGL (Temporary Guidance Leaflets) No 36.

EXPÉDITION DU PRODUIT POUR SERVICE SOUS GARANTIE

Emballer soigneusement le produit, de préférence dans son emballage d'origine. Joignez une description de la défaillance de même qu'une pièce justificative de la date d'achat. Panasonic Canada Inc. ne peut être tenue responsable pour tout dommage ou perte subi pendant le transport si vous avez choisi le transporteur.

GARANTIE LIMITÉE – SUPPORTS DES LOGICIELS

Couverture – Panasonic Canada Inc. (« PCI ») garantit à l'acheteur original que le ou les disques ou tout autre support sur lequel le ou les programmes sont fournis sont exempts de défauts de pièces et de fabrication dans des conditions normales d'utilisation au Canada, et ce, pour une période de soixante (60) jours suivant la date de réception indiquée sur la preuve d'achat.

LA PRÉSENTE GARANTIE EST LA SEULE OFFERTE PAR PCI COUVRANT LES SUPPORTS DE LOGICIELS. PCI ne garantit pas les logiciels. Reportez-vous à la garantie écrite du concédant de licence d'utilisation du logiciel (qui accompagne la copie du logiciel) pour toute réclamation en vertu de la garantie.

Réclamation – marche à suivre – Panasonic Canada Inc. remplacera tout disque ou support défectueux si l'article en question est retourné, port payé, à son service de Marketing – produits informatiques, 5770 Ambler Drive, Mississauga (Ontario) L4W 2T3, dans les soixante (60) jours suivant la date d'achat original. Joignez à votre envoi une pièce justificative de votre achat et une description du problème.

Recours – La responsabilité de PCI - et votre seul recours - dans le cas de toute défaillance couverte par la garantie sur ce support de logiciel est limitée au seul remplacement du support. Elle ne couvre aucun autre dommage, y compris, mais non exclusivement, la perte d'usage ou de profits, ni aucun dommage spécial, indirect ou consécutif, ni aucune autre réclamation de nature similaire ou autre.

Produits non couverts – La présente garantie limitée ne s'applique pas si le ou les disques ou autre support ont été utilisés dans un produit d'une marque autre que Panasonic ou dans des conditions environnementales autres que celles spécifiées par PCI ou le fabricant, ou soumis à une mauvaise utilisation, à la négligence, à une manutention inadéquate ou encore si le programme a été modifié ou subi une tentative de modification ou des dommages attribuables à un accident ou à un cas fortuit. De plus, PCI n'assume aucune responsabilité pour toute perte de, ou tout dommage à, un programme, des données ou un support de sauvegarde amovible.

GÉNÉRALITÉS

PCI NE RECONNAÎT AUCUNE AUTRE GARANTIE, EXPLICITE OU IMPLICITE, Y COMPRIS, MAIS NON EXCLUSIVEMENT, LES GARANTIES IMPLICITES DE VALEUR COMMERCIALE ET D'UTILITÉ À UNE FIN QUELCONQUE, À L'ÉGARD DU LOGICIEL, SUPPORTS DE LOGICIELS, PRODUITS INFORMATIQUES, PÉRIPHÉRIQUES ET ACCESSOIRES.

SOUS AUCUNE CIRCONSTANCE PCI NE POURRA ÊTRE TENUE RESPONSABLE DES DOMMAGES SPÉCIAUX, INDIRECTS OU CONSÉCUTIFS ATTRIBUABLES À UN MANQUEMENT AUX GARANTIES LIMITÉES DÉCRITES DANS LE PRÉSENT DOCUMENT OU À L'UTILISATION DU PRODUIT INFORMATIQUE, Y COMPRIS, SANS RESTRICTION, LA PERTE DE DONNÉES, D'AFFAIRES, D'ACHALANDAGE OU DE PROFIT.

DANS TOUS LES CAS, LA RESPONSABILITÉ MAXIMALE DE PCI POUR TOUT MANQUEMENT NE POURRA EXCÉDER LE PRIX DE VENTE DU PRODUIT INFORMATIQUE.

AUCUNE RÉCLAMATION, SANS ÉGARD À SES MOTIFS, NE POURRA ÊTRE FAITE AUPRÈS DE PCI PLUS DE DEUX (2) ANS APRÈS LES FAITS INVOQUÉS À LA BASE D'UNE TELLE RÉCLAMATION.

Garantie statutaires – Certaines juridictions interdisent de telles limitations ou exclusions ; aussi, pourraient-elles ne pas s'appliquer.

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