

CASIO®

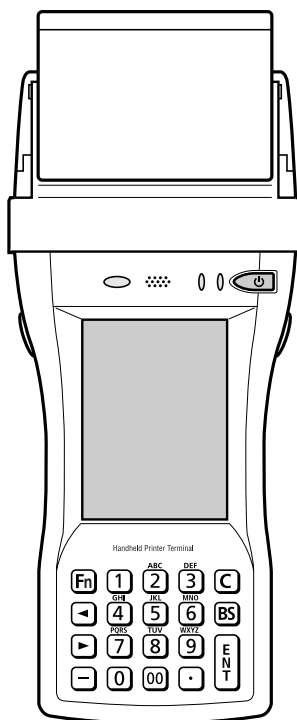
Handheld Printer Terminal

IT-3100 Series

User's Guide

Be sure to read "Safety Precautions" inside this guide before trying to use your Handheld Terminal. After reading this guide, keep it in a safe place for future reference.

For product detail, refer also to http://world.casio.com/system/pa/UsersGuide/sup85_e.html



-
- This Product is equipped with the Brycen B-RAPPORE Stack and My Wirefree Network Bluetooth User Interface Application, the use of which is governed by a license granted by Brycen Co., Ltd.



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U.S. Patent Office 5,860,082

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Safety Precautions

Congratulations upon your selection of this CASIO product. Be sure to read the following Safety Precautions before trying to use it for the first time.

Your neglect or avoidance of the warning and caution statements in the subsequent pages causes the danger of fire, electric shock, malfunction and damage on the goods as well as personal injury.

Markings and Symbols

The following are the meanings of the markings and symbols used in these Safety Precautions.



Danger

This symbol indicates information that, if ignored or applied incorrectly, creates the danger of death or serious personal injury.



Warning

This symbol indicates information that, if ignored or applied incorrectly, creates the possibility of death or serious personal injury.



Caution

This symbol indicates information that, if ignored or applied incorrectly, creates the possibility of personal injury or property damage.



- A diagonal line indicates something you should not do. The symbol shown here indicates you should not try to take the unit apart.



- A black circle indicates something you should do. The symbol shown here indicates you should unplug the unit from the wall outlet.



Warning

Disassembly and Modification



- Never try to disassemble or modify the Handheld Printer Terminal and its options including battery pack and battery in any way.

Abnormal Conditions



- Should the Handheld Printer Terminal and/or its options including battery pack and battery become hot or start to emit smoke or a strange odor, immediately turn off the power and contact your dealer or distributor whom you purchased the product from, or an authorized CASIO service provider.

 **Warning**

Dust and Moisture



- Though the Handheld Printer Terminal is dust and water splash resistant, its options including the battery pack are not. Keep loose metal objects and containers filled with liquid away from your Handheld Printer Terminal and the options. Also, never handle the Handheld Printer Terminal and the options while your hands are wet.

Laser Light



- This product with the integrated laser scanning module scans bar codes using laser light. Never look directly into the laser light or shine the laser light into the eyes.

 **Warning**

**Interference with the Operation of Other Equipment
(Using Wireless Data Communication Function)**



- Keep your Handheld Printer Terminal at least 22 centimeters (8⁵/₈"") away from anyone wearing a pacemaker. Radio waves emitted by the Handheld Printer Terminal can affect the operation of a pacemaker.
- Before the use in aircraft, be sure to consult with cabin crew for interference the Handheld Printer Terminal emits.
- Before the use in medical facility, be sure to consult with the facility management or the manufacture of a specific medical equipment that the Handheld Printer Terminal may interfere with.

 **Caution**

Foreign Objects



- Take care to ensure that metals or combustible objects are not inserted into the openings of the Handheld Printer Terminal or its options, and not to allow moisture to get inside of them.

Location



- Install the cradle properly on a flat and stable surface so that it cannot fall down onto floor.

LCD Screen



- Never apply strong pressure to the screen or subject it to strong impact. Doing so can crack the screen or LCD panel glass.

 **Caution**



Printer





- Do not touch the areas around the printer motor or head since they can become very hot. Doing so can cause burns.
- Touching any of the gears while they are turning with unprotected hands can cause personal injury. Be careful not to come in contact with turning gears.
- Contact with the blade installed in the paper outlet can cause personal injury. Be careful not to touch the blade.

Lithium-ion Battery Pack


Danger

-  • Never use the Handheld Printer Terminal and its option including the battery pack and battery next to open flame, near a stove, or any other area exposed to high heat, or leave them for a long period of time in a vehicle parked in direct sunlight.
- Never use the battery pack with any device other than the Handheld Printer Terminal.
- Never dispose of the battery pack by incinerating it or otherwise expose it to heat.
- Never transport or store the battery pack together with metal objects that may result in shorting positive (+) and negative (-) terminals of the battery pack. Be sure to place the battery pack in its case whenever transporting or storing it.
- Never throw the battery pack or otherwise subject it to strong impact.
- Never pierce the battery pack with nails, hit it with a hammer, or step on it.
-  • Use only the specified battery charger to charge the battery pack.

Warning



-  • Never place the battery pack in a microwave oven or any other high-voltage device.
-  • If the amount of time period the battery pack can serve becomes considerably short even after it has been fully charged for the specified time period, stop using it.
- Should the battery pack start to leak or emit a strange odor, immediately move it away from any nearby flame. Leaking battery fluid is combustible.
- Should fluid from the battery pack accidentally get into your eyes or on the skin, do not rub it. Immediately rinse it off with clean tap water and then consult a physician.

Caution





-  • Replace only with the same type of battery pack recommended by CASIO. Dispose of used battery packs according to the local regulation.
- Keep the battery pack out of the reach of small children.

Power Supply / AC Adaptor

Warning

-  Do not use the Handheld Printer Terminal at a voltage other than the specified voltage. Also, do not connect the Handheld Printer Terminal to a multi-plug power strip.
- Never modify, sharply bend, twist, or pull on the power cord.
- Never use a detergent to clean AC adaptor and its power cable, especially on the plug and the jack.
-  When using the battery charger and Bridge Satellite Cradle, be sure to use the respective AC adaptors.

Caution

-  Never pull on the power cord when unplugging it. Always hold the plug when unplugging it from the wall outlet.
- Never touch the plug while your hands are wet.
-  Be sure to unplug the power cord from the wall outlet before cleaning the battery charger and Bridge Satellite Cradle.
- Unplug the power cord from the wall outlet whenever leaving the battery chargers and the cradles unattended for a long period.
-  The housing of the AC adaptor can become warm during normal use.
-  At least once a year, unplug the AC adaptor from the wall outlet and clean any dust that builds up between the prongs of the plug.
Dust built up between the prongs can lead to the danger of fire.

Backup Copies of All Important Data

Caution



- Note that CASIO Computer Co., Ltd. shall not be held liable to you or any third party for any damages or loss caused by deletion or corruption of data due to use of the Handheld Printer Terminal, malfunction or repair of the Handheld Printer Terminal or its peripherals, or due to the batteries going dead.
- The Handheld Printer Terminal employs electronic memory to store data, which means that memory contents can be corrupted or deleted if power is interrupted due to the batteries going dead or incorrect battery replacement procedures. Data cannot be recovered once it is lost or corrupted. Be sure to make backup copies of all important data.

Operating Precautions

Your Handheld Printer Terminal and its options are precision digital instruments. Improper operation or rough handling can cause problems with data storage and other problems. Note and observe the following precautions to ensure proper operation.

- **Do not leave dead batteries in the Handheld Printer Terminal for a long period.**
Dead batteries can leak, leading to malfunction and damage to the Handheld Printer Terminal.
- **Stop or avoid using the Handheld Printer Terminal and its options in areas and conditions subject to the following.**
 - Large amounts of static electricity
 - Extreme heat or cold or humidity
 - Sudden temperature change
 - Large amount of dust
 - After large amount of rain or water falls on the Handheld Printer Terminal
 - Pressing the screen or keys with excessive force when using in the rain
- **Use only the dedicated stylus that comes with the Handheld Printer Terminal to operate its touch screen and reset switch.**

■ Important

- This guide does not include any information about programming and download procedures. See the applicable separate documentation for information about the procedures.

After Service

- Should this product ever malfunction, contact your original retailer providing information about the product name, the date you purchased it, and details about the problem.



This mark applies to EU countries and Turkey only.

Regulatory Information

The USA and Canada

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THIS UNIT IN THE U.S.A. (not applicable to other areas).

NOTICE

This equipment has been tested and found to comply with the limits for 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:

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

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Proper connectors must be used for connection to host computer and/or peripherals in order to meet FCC emission limits.

Caution Exposure to radio frequency radiation (below is for portable device)

To comply with FCC RF exposure compliance requirements, this device must not be co-located or operating in conjunction with any other antenna or transmitter.

Declaration of Conformity

Model Numbers: IT-3100M53E, IT-3100M54E, HA-B6110,
Trade Name: CASIO
Responsible party: Casio America, Inc. Industrial Handheld Division
Address: 10710 Baxter Avenue, Los Altos, California 94024 USA
Telephone number: 408-738-8220



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.

For Users in Canada

These Class B digital apparatuses comply with Canadian ICES-003.

Cet appareil numérique de la classes B est conforme à la norme NMB-003 du Canada.

These devices comply with RSS 210 of Industry Canada (IC).

Operation is subject to the following two conditions:

- (1) These devices may not cause interference, and
- (2) These devices must accept any interference, including interference that may cause undesired operation of this device.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes :

- (1) il ne doit pas produire de brouillage et
- (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

Exposure to radio frequency radiation

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website at http://www.hc-sc.gc.ca/ewh-smmt/pubs/radiation/99ehd-dhm237/index_e.html

Europe

DECLARATION OF CONFORMITY

We, the under signed, CASIO Europe GmbH, hereby declare that the following equipment:

Product: Handheld Printer Terminal

Models: IT-3100M53E, IT-3100M54E, IT-3100M55E,
IT-3100M56E, IT-3100M75E

Brand: CASIO

are in conformity with all the provisions of the following EC directive with meeting the related test standards:

Council Directive: 1999/5/EC (R&TTE Directive):

Standards for all models:

EN60950-1:2001+A11:2004

EN 301 489-17 v1.2.1 (2002-08)

EN 300 328 v1.7.1 (2006-10)

Hereunder, that this declaration is based on the above standards have been complied fully, constructing into a Technical File.

Manufacturer:

CASIO COMPUTER CO., LTD.

6-2, Hon-machi 1-chome, Shibuya-ku, Tokyo 151-8543, Japan

Representative within the European Union:

CASIO Europe GmbH

Bornbarch 10, 22848 Norderstedt, Germany

Optional models HA-B61IO and HA-B30CHG, are in conformity with the Council Directives 89/336/EEC,92/31/EEC,93/68/EEC.



Manufacturer:

CASIO COMPUTER CO., LTD.

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Before Getting Started

Be sure to perform the following steps before trying to use the Handheld Printer Terminal for the first time.

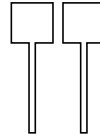
1. When unpacking, make sure that everything is included.

Open the box and make sure that all the items shown here are included.

Handheld Printer Terminal



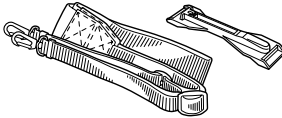
PC Card Remover (2 pcs)



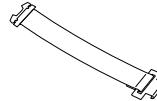
Stylus



Neck strap and stylus holder



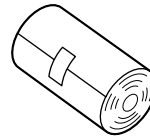
Hand strap



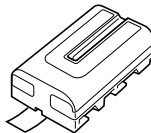
Neck strap rings



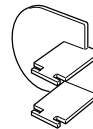
Roll paper*



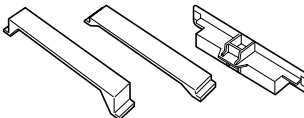
Battery pack



58mm Paper Width Adjuster*



PC card fixers



User's Guide (this manual)

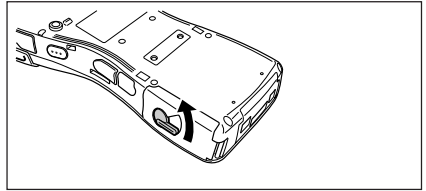
2. Charge the battery pack.

To charge the battery pack, use either the AC Adaptor (AD-S10095AE/AU) for direct charging, or Cradle-type Battery Charger or Bridge Satellite Cradle. Before charging the battery pack with one of these options, first install the battery pack in the Handheld Printer Terminal. For information how to charge, see page 35.

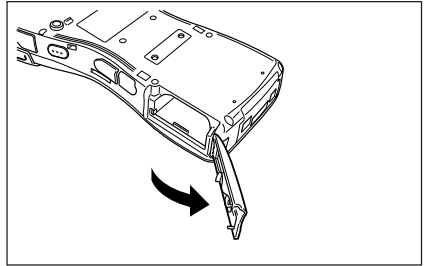
* Not included with IT-3100M75E.

3. Load the battery pack into the Handheld Printer Terminal.

- ① Turn the battery pack cover lock switch on the side of the Handheld Printer Terminal to the “FREE” position.

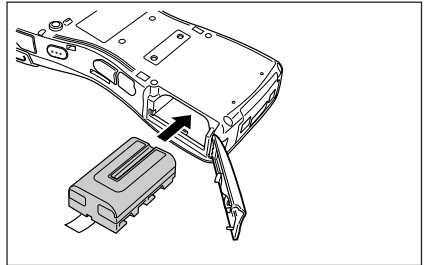


- ② Open the battery pack cover.

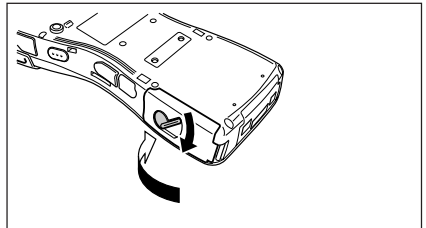


- ③ Install the battery pack(DT-9723LIC). Push it all way to the end inside the compartment until the eject button at the front of the battery compartment comes up (and sounds).

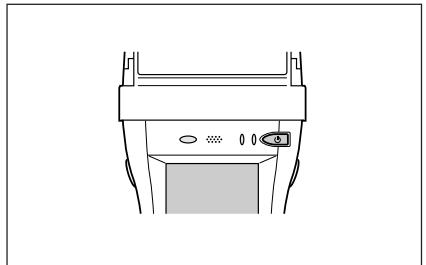
Make sure the battery pack is aligned correctly when you install it.



- ④ Return the battery pack cover to its original position as shown in the illustration, and then turn the battery pack cover lock switch to the “LOCK” position.

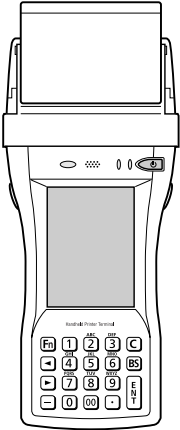


4. Hold down the power key for about one second to turn on the power. Start up the application you want to run.



Handheld Printer Terminal System Configuration

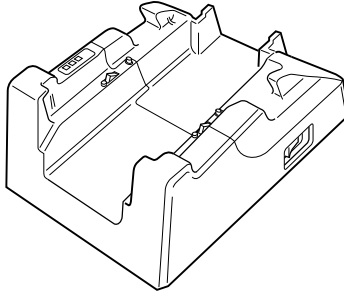
IT-3100 Series



Options

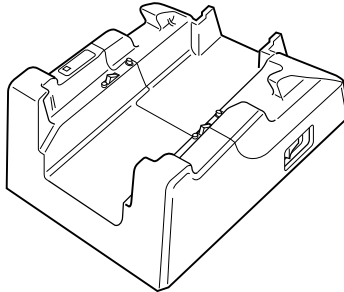
Bridge Satellite Cradle

HA-B61IO



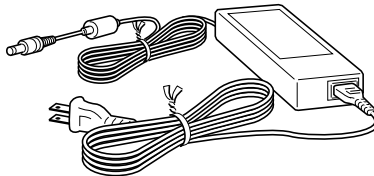
Cradle-type Battery Charger

HA-B30CHG

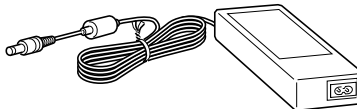


Required AC Adaptor for Bridge Satellite Cradle / Cradle-type Battery Charger

AD-S42120BE



AD-S42120B-N



AC Cord for Europe

AC-CORD-EU

AC Cord for North America

AC-CORD-US

AC Code for Taiwan

AC-CORD-TW

AC Code for Korea

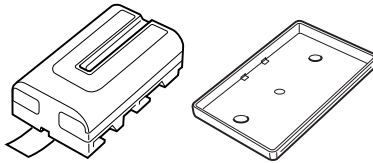
AC-CORD-KR

AC Code for Australia

AC-CORD-AU

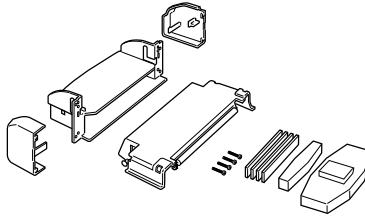
Battery Pack

DT-9723LIC



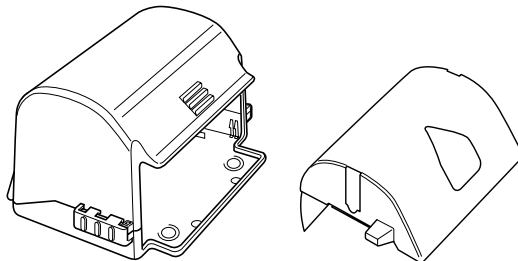
Paper Holder*

HA-B93PH



Splash Protect Cover*

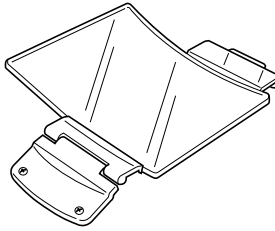
HA-B92PCV



* Not available for IT-3100M75E.

Screen Protect Cover*

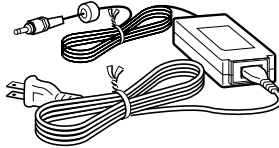
HA-B90DCV



AC Adaptor

AD-S10095AE

AD-S10095AU



Cables

DT-887AXA

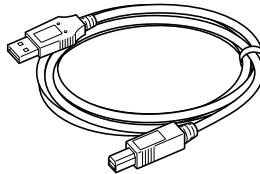
Dsub 9-Pin (Female) RS-232C Cross Cable for Bridge Satellite Cradle

DT-888RSC

RS-422 Modular Cable for connecting Bridge Satellite Cradle

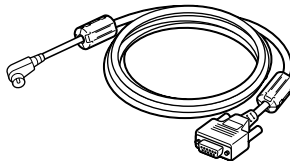
DT-380USB

USB Cable for connecting Bridge Satellite Cradle and PC



HA-B80AX

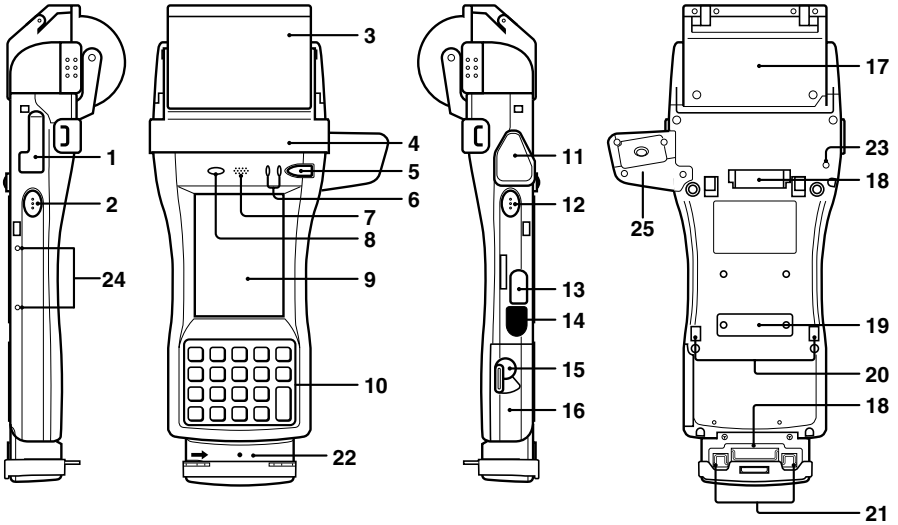
RS-232C Cross Cable for connecting Handheld Printer Terminal and PC



* Not available for IT-3100M75E.

General Guide

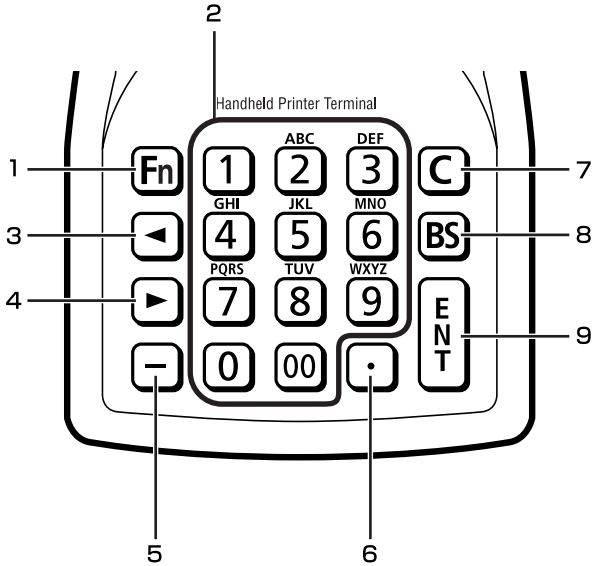
IT-3100



* The above illustrations show a model with C-MOS Imager and Magnetic Card Reader installed.

1	SD Memory Card Slot
2	Program Key (L)
3	Roll Paper Holder
4	Splash Protect Cover and Paper Cutter
5	Power Key
6	Indicator 1 (Left Side)
	Indicator 2 (Right Side)
7	Speaker
8	Brightness Sensor
9	LCD Panel/Touch Screen
10	Stroke Keys
11	RS-232C Interface Connector (IT-3100M53E/M54E)
12	Program Key (R)
13	Power Jack
14	IR Port
15	Battery Pack Cover Lock Switch
16	Battery Pack Cover
17	PC Card Slot
18	Hand Strap Hook
19	14-pin Serial Interface Connector
20	Power Terminals
21	Neck Strap Hooks
22	Magnetic Card Reader (IT-3100M54E/M55E/M55U/M75E)
23	Reset Switch
24	Screen Protect Cover Mounting
25	C-MOS Imager (IT-3100M55E/M55U/M56E/M56U/M75E)

Key Functions



1	Fn Key	This key is used to switch the character input mode or make various settings in combination with other keys, or start up a pre-registered application.
2	Numeric Keys	These keys are used to input numbers and letters.
3	◀ (Cursor Key)	Moves the cursor to the left.
4	▶ (Cursor Key)	Moves the cursor to the right. This is also used to feed paper when pressed after pressing the Fn key when printing paper is loaded.
5	-	This key is pressed when inputting a hyphen or bar.
6	.	This key is pressed when inputting a decimal point.
7	C	This key is pressed when canceling an operation and input.
8	BS	This key is pressed when deleting the character to the left of the cursor.
9	ENT	This key is pressed when entering an input.

* Each numeral and symbol on the key buttons in the table above is backlit.

Replacing the Battery

Your Handheld Printer Terminal uses two types of battery: a battery pack and a memory backup battery.

A battery pack (DT-9723LIC) is used for the main battery. A backup battery is housed inside the Handheld Printer Terminal.

This guide uses the following terms to refer to the batteries.

Battery Pack: Rechargeable battery pack for normal operations and data storage

Backup Battery: Built-in battery for memory backup

When the battery pack power goes low, immediately charge it or replace it with a charged battery pack.

For information how to charge battery pack, see page 35.

Replacing the Battery Pack

Important!

Always keep backup copies of all important data!

- The main battery powers normal operation and also provides power required to maintain memory contents, while the backup battery provides backup power to maintain memory contents. Because of this, you should not remove the main battery while the backup battery is dead. Removing the battery pack while the backup battery is dead causes data in the memory to be corrupted or lost. Note that once data is lost it cannot be recovered. Always keep separate backup copies of all important data.
- The charge of a battery pack when you purchase it may be depleted due to testing at the factory or natural discharge during shipment and storage. Be sure to charge the battery pack before you use it.
- The life of a battery pack is limited, and charging a battery pack causes it to gradually lose its ability to maintain the charge. If your battery pack seems to require charging very frequently, it probably means it is time to purchase a new one.
- A fully charged backup battery can maintain memory (RAM) contents for about 10 minutes, even when the main battery is removed.
- The backup battery achieves a full charge in about four days when the battery pack is loaded.

Important!

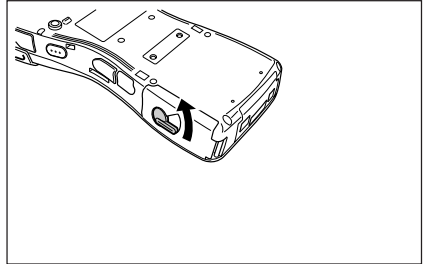
- Make sure to attach the contact cover provided when removing the Battery Pack from the Handheld Printer Terminal and storing.
- If the battery pack has been left over unused for a long period of time, the capacity remained decreases due to spontaneous discharge or chemical decomposition by the battery pack itself. If the battery pack fails to hold its operating duration after it has been fully charged, replace it with a new one. The battery pack may reach the end of its service life.

To replace the battery pack

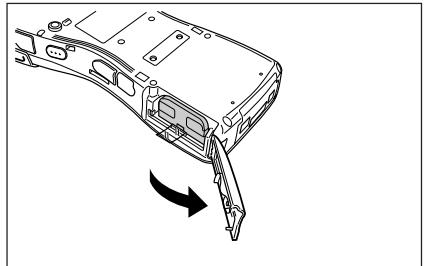
1. Make sure that the Handheld Printer Terminal is turned off.

If the power is on, press the power key to turn it off.

2. Turn the battery pack cover lock switch on the side of the Handheld Printer Terminal to the “FREE” position.



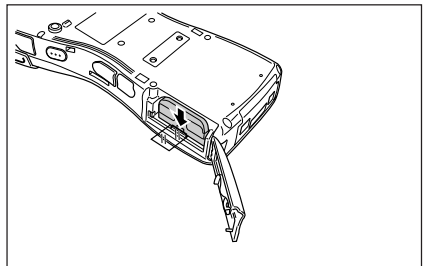
3. Open the battery pack cover.



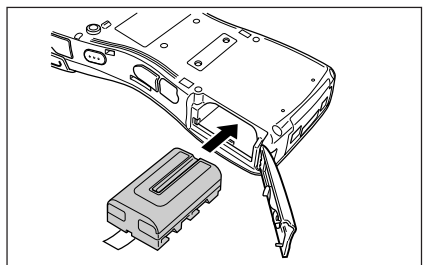
4. Remove the battery pack.

Press down the battery pack eject button (see the arrow).

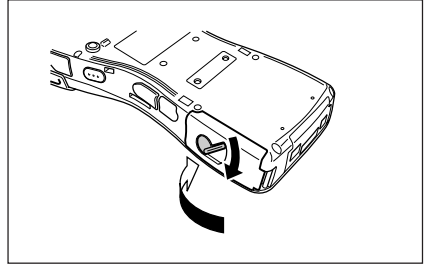
Remove the battery pack by pulling on the tape.



5. Install a charged battery pack in the Handheld Printer Terminal. Make sure the battery pack is aligned correctly when you install it.



- Return the battery pack cover to its original position as shown in the illustration, and then turn the battery pack cover lock switch to the “LOCK” position.

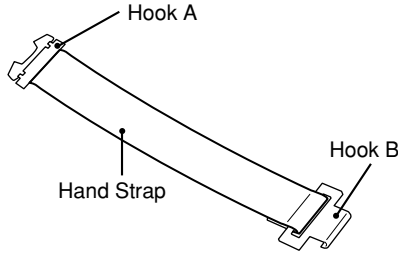


Important!

- **When replacing the battery pack, make sure you do not leave the Handheld Printer Terminal without a battery pack for more than about 10 minutes. Doing so can cause data in the memory to be deleted.**
- **Never try to use other type of battery than the one that is specified for this product.**

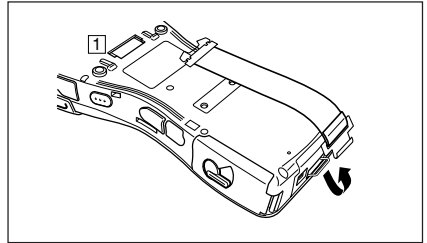
■ Attaching the Hand Strap

A flexible hand strap can be attached to the Handheld Printer Terminal.

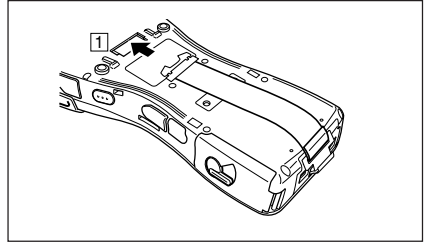


Attach the hand strap following the procedure described below.

1. Attach Hook B of the hand strap to the hand strap hook located on the bottom of the Handheld Printer Terminal.

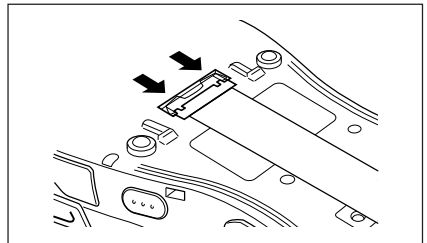


2. Pull on the hand strap in the direction shown in the illustration, and then fasten Hook A onto hook (1) on the back of the Handheld Printer Terminal.



3. Fasten the wire of Hook A by inserting into the indentation in the Handheld Printer Terminal.

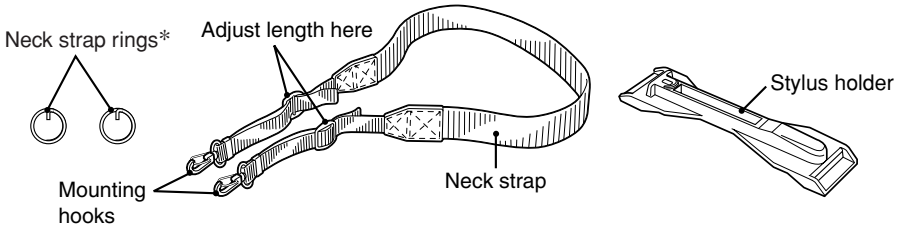
- Pull up on the center of the wire when unfastening.



* The illustration shows the IT-3100M53E.

■ Attaching the Neck Strap

A neck strap can be attached to the Handheld Printer Terminal to keep it from being dropped while being carried. The stylus holder provided can also be attached.



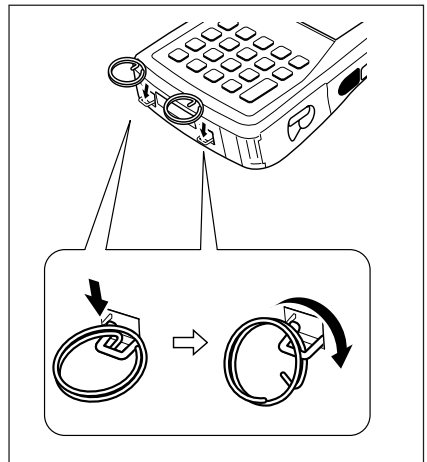
Attach the neck strap following the procedure described below.

Attachment Procedure

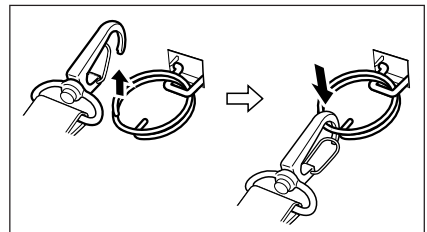
1. Pull out the neck strap mounting hooks out of each silo on the bottom of the Handheld Printer Terminal using the tip of stylus. Hook the protrusive part (**) of the ring on the neck strap mounting hook as shown in the illustration. While slightly pushing the ring, turn the ring until all part of it is fully hooked.

** The ring is very stiff for the first time. A small flat screw driver is helpful by inserting it into overlapped part of the ring to make a room when hooking the protrusive part.

2. Pull back the locking bar of the neck strap mounting hook and then hook the mounting hook onto the ring as shown in the illustration.



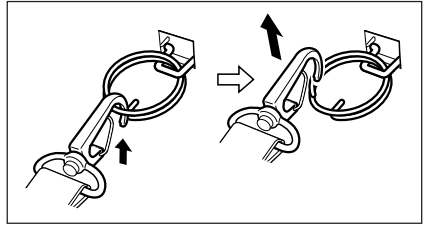
The illustration shows the IT-3100M53E.



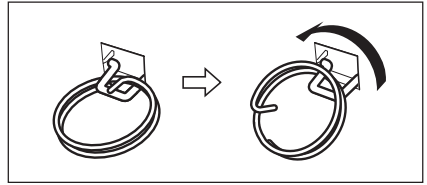
* ; The rings give an extra mechanical strength for the Neck Strap. The metallic hooks of the Neck Strap can, in rare case, be worn by abrasion induced by swinging the IT-3100 terminal specifically when it is hung from the operator's neck with the Neck Strap. For those who often use the IT-3100 terminal in a hanging position, it is recommended to use the rings to secure the Neck Strap.

Removal Procedure

1. Pull back the locking bar of the neck strap mounting hook and then release the hook from each ring as shown in the illustration.

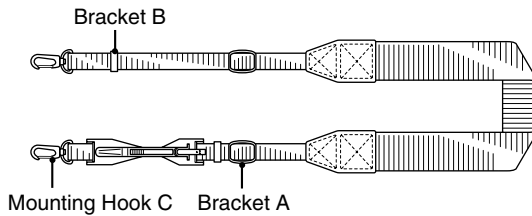


2. Following the attachment procedure in reverse way, remove the neck strap rings from each neck strap mounting hook on the Handheld Printer Terminal and then push back the neck strap mounting hooks into each silo.



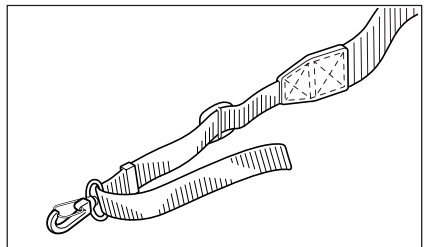
Attaching the Stylus Holder

The stylus holder provided can be attached to the neck strap as necessary. When attaching the stylus holder, first remove the neck strap from the Handheld Printer Terminal. In addition, remove the stylus from the stylus holder.

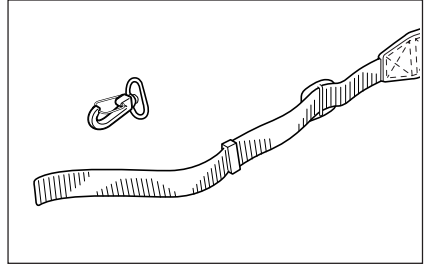


Attach the stylus holder following the procedure described below.

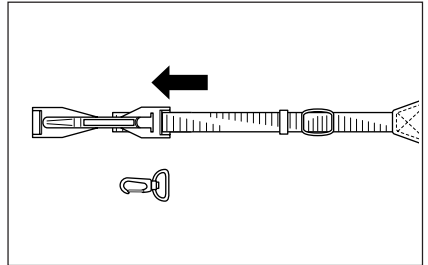
1. Remove the end of the strap from Bracket A and Bracket B.



2. Remove Mounting Hook C.

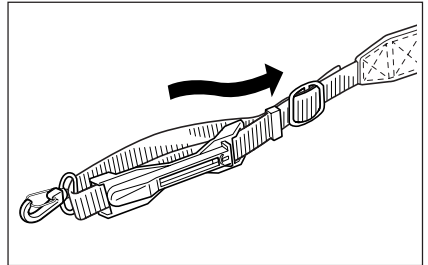


3. Pass the stylus holder through the strap as shown in the illustration.

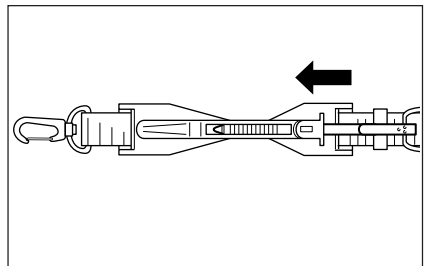


4. Fold back the strap after passing through Bracket C, and then fasten in the same way it was originally fastened with Bracket A and Bracket B.

- Do not pass the strap through the stylus holder when folding it back.



- Place the stylus in the stylus holder after first re-attaching the neck strap to the Handheld Printer Terminal.



Important!

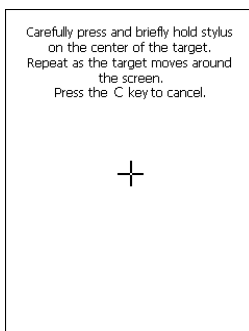
- Do not swing the Handheld Printer Terminal with the neck strap.

Configuring Handheld Printer Terminal Settings

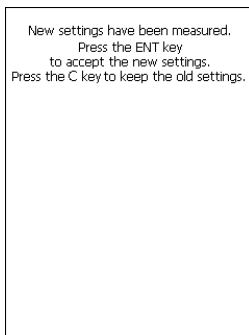
Calibrating Touch Screen Alignment

Whenever you feel that touch screen response is poor or that the operations being executed do not match the location you are tapping on the touch screen, perform the following operations to calibrate the alignment of the touch screen.

- Press the “Fn” key and then make sure that “F” appears in the lower right corner of the screen. If the “F” appears, press the “4” key.
- * The following screen can also be displayed by navigating to Start → Settings → Stylus and Calibration tab.



- Press the stylus against the center of each target mark (total of five marks) as indicated on the screen. The screen shown below appears after you press stylus against the target at five different locations.



- Press the ENTER key or tap anywhere on the touch screen.





Using the Printer

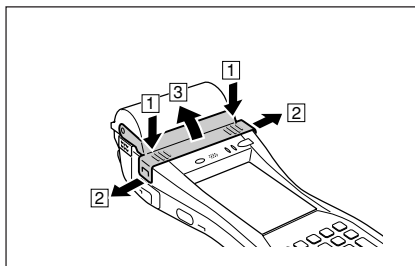
The printer can print on roll paper (80 mm or 58 mm wide)* or 80 mm wide formed sheet paper. When printing on formed sheet paper, use the paper holder (HA-B93PH) sold separately.




When Using Roll Paper

Installing the Roll Paper

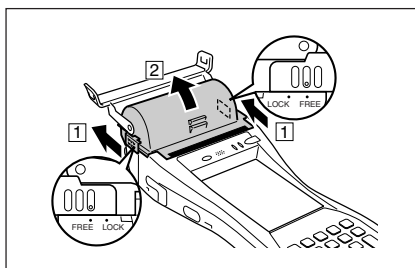
1. Check that the power is off. If the power is on, always make sure to turn it off by pressing the power key.

2. Press the ridged () portions () of the splash protect cover while spreading apart the locks on the left and right sides () to disengage them as shown in the illustration followed by opening the splash protect cover ().

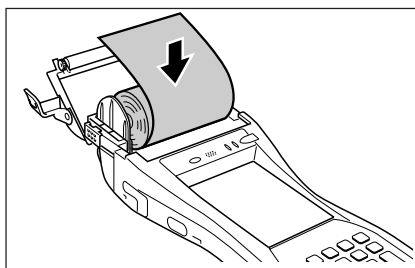


3. Slide the lock knobs on the left and right sides of the roll paper holder as shown in the illustration to align at the FREE position (), and then push up the ridged () portion () to open.

- Please note that the positions of the lock knobs on the left and right sides are different.



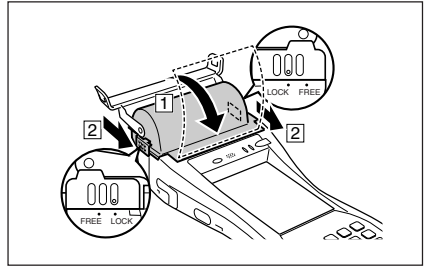
4. Peel off the seal from the roll paper and install as shown in the illustration.



* IT-3100M75E prints on 82.55mm width roll paper only.

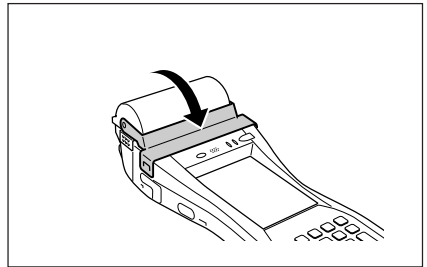
5. Close the roll paper holder, slide the lock knobs on the left and right sides as shown in the illustration to align at the “LOCK” position to lock the roll paper holder in position, and then tear off the protruding roll paper.

- Please note that the positions of the lock knobs on the left and right sides are different.



6. Close the splash protect cover as necessary.

- Open the splash protect cover when printing with the printer.
- Close the splash protect cover when using outdoors in the rain and so forth.



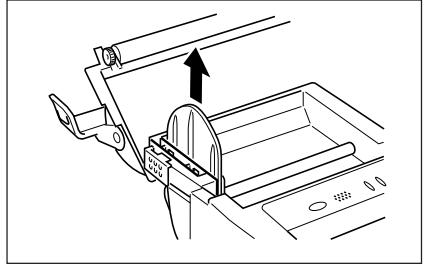
Important!

- **Always print with the roll paper properly installed. Printing without properly installing roll paper can damage the printer.**
- **If the roll paper should happen to become jammed in the printer, open the roll paper holder by following the procedure described in steps 1 and 3 of the procedure for “Installing the Roll Paper”, and then remove the jammed paper. Be careful not to touch the printer at this time since it may have become hot during the course of printing.**
- **The printer is not protected against splashing water when the splash protect cover is closed with roll paper present outside the roll paper holder.**
- **The drip-proof of the splash protect cover is not sufficient if the cover is not installed.**
- **If the end of the roll paper has become curled making it difficult to install the paper, first flatten out the paper by bending it back in the opposite direction before installing.**

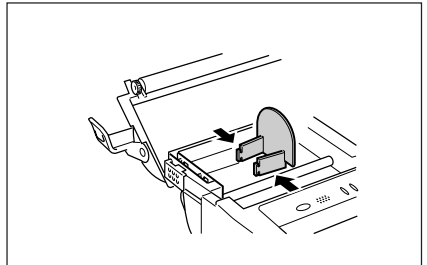
Attaching the 58 mm Paper Width Adjuster

Attach the 58 mm Paper Width Adjuster* inside the roll paper holder when using 58 mm wide roll paper. Refer to the procedure described in “Installing the Roll Paper” for information on opening and closing the roll paper holder.

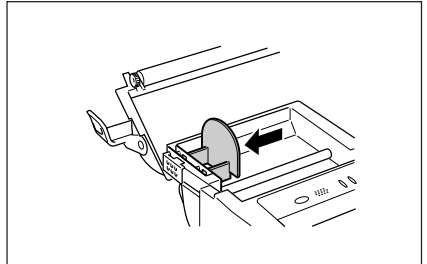
1. Remove the 80 mm Paper Width Adjuster as shown in the illustration.
 - Store the 80 mm Paper Width Adjuster in a safe place after it has been removed.



2. Press the attachments of the 58 mm Paper Width Adjuster from the left and right sides as shown in the illustration.



3. Insert the attachment of the 58 mm Paper Width Adjuster into the mounting holes inside the left side of the roll paper holder to lock in position.



Important!

- Always make sure to attach the 58 mm Paper Width Adjuster when using 58 mm wide roll paper. Failure to attach the 58 mm Paper Width Adjuster may cause the paper to jam or the printer to malfunction.
- 58 mm wide roll paper can only be used when the installed application is for use with 58 mm wide paper only.

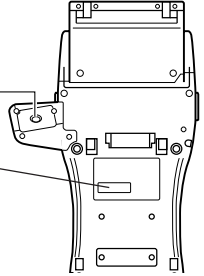
* Not available for IT-3100M75E.

Warning Label

IT-3100M55U/M56U/
M55E/M56E



Laser light is emitted
from this port



- This label is a warning label for Class 2 laser products that comply with IEC60825-1+A2:2001

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The laser light emitted by the C-MOS Imager has a maximum output of less than 1 mW and a wavelength of 650 nm.

Warning!

■ Never look directly into the laser light.

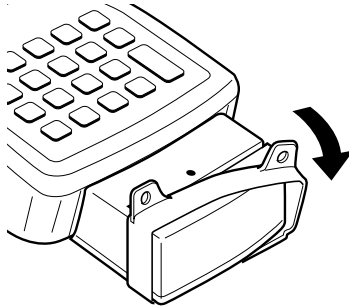


- This product with the integrated laser scanning module scans bar codes using laser light. Never look directly into the laser light or shine the laser light into the eyes.

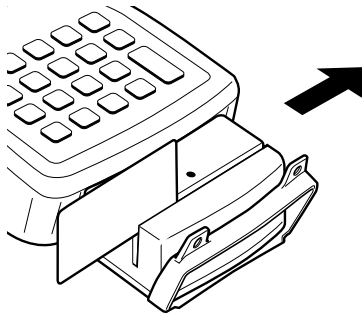
Magnetic Card Reader

The Magnetic Card Reader comes as standard with IT-3100M54E/M55E/M55U/M75E. Only use cards that are compatible with the ISO standards. The procedure for reading cards is described below.

1. Remove the cover as shown in the illustration.



2. Insert the card all the way into the reader as shown in the illustration, and steadily pass the card through the reader in the direction of the arrow.



Precautions During Use

- Cards may not be able to be read if they are passed through the reader rapidly.
- A reading error may occur if the speed at which the card is passed through the reader changes suddenly.
- Do not allow magnets to come in close proximity to the magnetic card since this can prevent data on the card from being read. In addition, do not stack magnetic cards on top of each other.
- Cards that have been excessively misshaped or bent may not be able to be read.
- Soiling of the magnetic strip may make it difficult to read the card. If a card has become soiled, wipe with a clean and soft cloth.
- Regularly clean the magnetic card reader by passing a cleaning card through the reader to prevent excessive friction with cards. When using in a location where there are low levels of dust, clean once a week or about once every 500 passes through the card reader.
- Install the cover when not using the magnetic card reader. The drip-proof of the magnetic card reader is not sufficient if the cover is not installed.

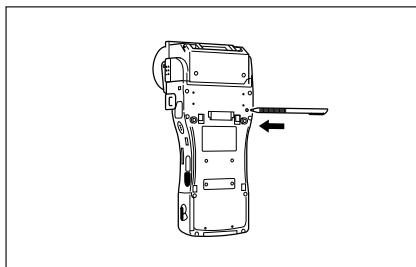
Resetting the Handheld Printer Terminal

Resetting the Handheld Printer Terminal is the same as restarting a computer. Performing a reset causes all unsaved inputs and edits to be lost, but data that is already stored in the memory as well as all settings should be unaffected.

Use reset to restore normal operation whenever the Handheld Printer Terminal operates abnormally due to misoperation or some other reason.

Use the stylus to press the reset switch on the back of the Handheld Printer Terminal.

This starts the reset operation.



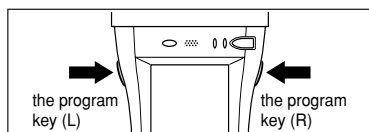
If reset does not find a memory problem

The Handheld Printer Terminal restarts, and normal operation is restored.

If reset finds a memory problem

A message like the one shown below appears on the display when the reset operation discovers a memory problem.

*Memory Corruption Warning
A problem with memory contents has been found. Press [R program key] to continue with the reset procedure, which restores normal system operation.
Note that if the system determines that user memory cannot be repaired, it will delete all user data current in memory.
See the User's Guide for details about initializing memory.*



When this message appears, press the program key (R) to continue with the reset operation. Note, however, that reset may not be successful depending on the condition of the memory. In this case, perform the full reset operation described on the next page.

Performing a Full Reset (Initialization)

Performing a full reset initializes memory. This means that all data stored in the memory (RAM) is deleted and all the settings are returned to their initial factory settings.

Perform a full reset whenever any one of the following conditions exists.

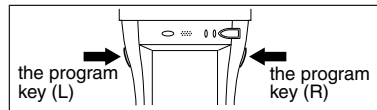
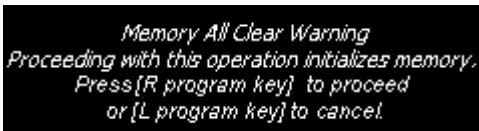
- When you want to delete all memory contents and return the settings to their initial factory settings.
- When you are no longer able to use the Handheld Printer Terminal because you forgot your password.
- When the Handheld Printer Terminal does not operate normally due to a memory problem.
- When the message “A problem with memory contents has been found. ...” appears.

To perform a full reset

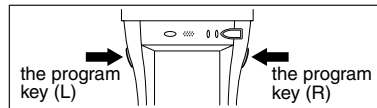
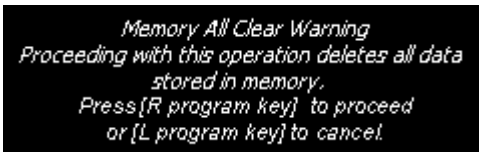
Important!

Performing a full reset deletes all data currently stored in the memory (RAM). If possible, backup data of the Handheld Printer Terminal to a computer, Flash Memory, a memory card, or some other medium before performing a full reset.

1. The message shown below appears on the display when the reset switch is pressed for about 1 second with the stylus while simultaneously pressing the power key and cancel key.



- To cancel the full reset operation, press the program key (L) instead of the program key (R).
2. Press the program key (R). This causes the message shown below to appear.

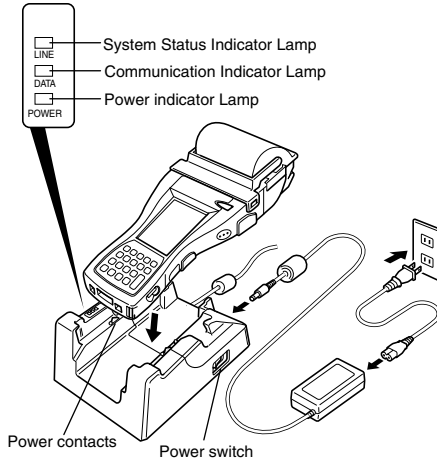


- To cancel the full reset operation, press the program key (L) instead of the program key (R).
3. Press the program key (R) again.
- Full reset is performed, all data in the memory (RAM) are erased and the start-up screen is displayed.

Charging the Battery Pack

The following two methods, “Using the Cradle” and “Using the AC Adaptor (AD-S10095AE/AU)”, show how to charge the battery pack. Before starting, the battery pack must be in the Handheld Printer Terminal.

Using the Cradle



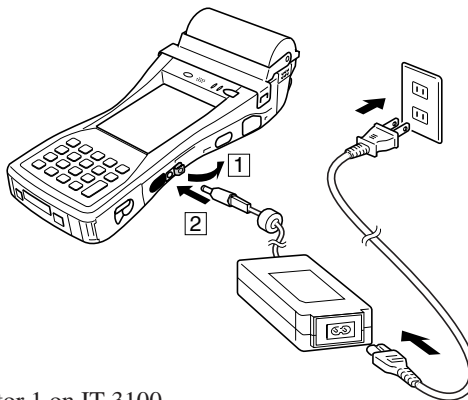
Status of Indicator 1 on IT-3100

Red: Charging

Green: Charging complete

Charge Period: Approximately 8 hours

Using the AC Adaptor (AD-S10095AE/AU)



Status of Indicator 1 on IT-3100

Red: Charging

Green: Charging complete

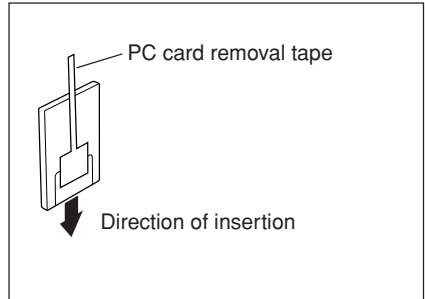
Charge Period: Approximately 8 hours

Using PC Cards

PC card compatible with the PCMCIA(Type I/II) standard can be installed in the PC Card slot on the Handheld Printer Terminal. Insert a PC card according to the procedure described below.

Attaching the PC Card Removal Tape to a PC Card

There are some PC cards that may be difficult to remove from the PC card slot once they have been inserted. In the case of such PC cards, attach the PC card removal tape provided before inserting the PC card.

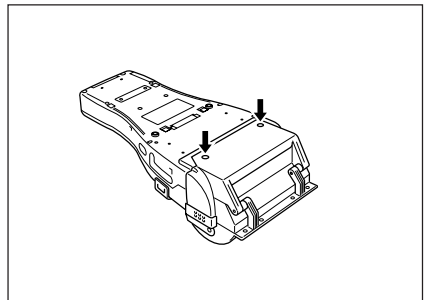


Important!

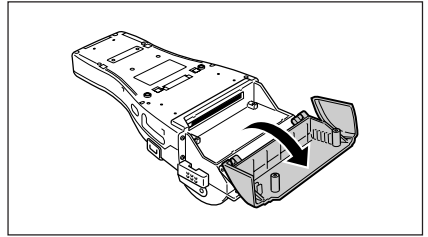
When inserting a CF card and so forth using the PC Card Adapter, always make sure to attach the PC card removal tape to the PC Card Adapter. If the PC card removal tape is mistakenly attached to the CF card and so forth, only the CF card will come out when the PC Card Adapter is attempted to be removed, preventing the PC Card Adapter from being able to be removed.

Inserting a PC Card (When Using the Roll Paper Holder)

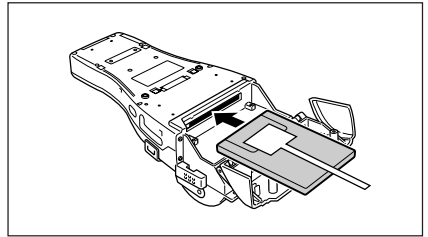
1. Check that the power is off. If the power is on, always make sure to turn it off by pressing the power key.
2. Turn over the Handheld Printer Terminal.
3. Loosen the two screws shown in the illustration (the screws cannot be removed off).



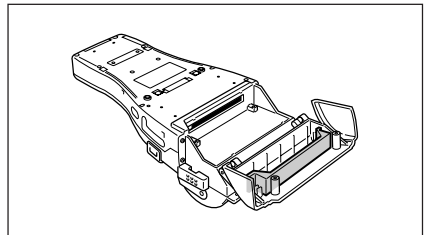
4. Open the cover (PC card slot cover) as shown in the illustration.



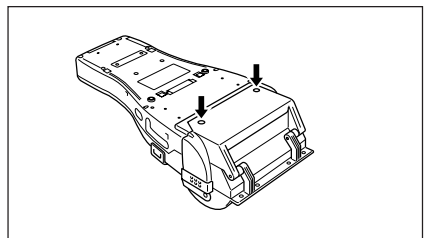
5. Insert a PC card having PC card removal tape attached. Insert the PC card all the way in with the top of the card facing towards the top of the Handheld Printer Terminal.
Fold up the end of the PC card removal tape so that it does not get caught in the way when closing the cover.



6. Attach the PC Card Holder to lock the end of the PC card and prevent it from coming out due to impacts and so forth. Decide on the type of PC Card Holder Fixer (three types are available) and the orientation and attachment position of the holder according to the location of the end of the PC card.

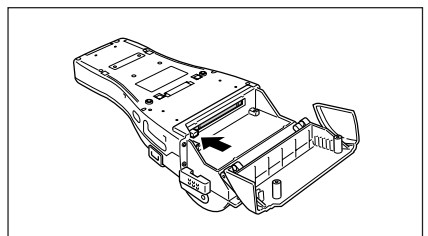


7. Close the cover (PC card slot cover) and fasten with the two screws.



Removing a PC Card

Press the eject button on the left side of PC card slot with the stylus as shown by the arrow, and pull out the PC card while holding onto the end of the PC card removal tape.

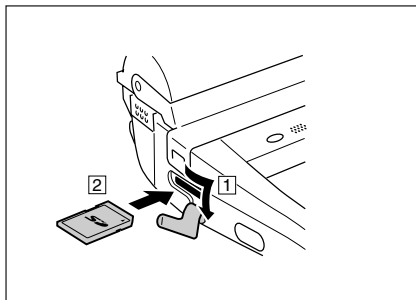


Using SD Memory Cards—

SD memory card can be installed in the SD Memory Card slot on the Handheld Printer Terminal. Insert (or remove) an SD memory card according to the procedure described below.

Inserting an SD Memory Card

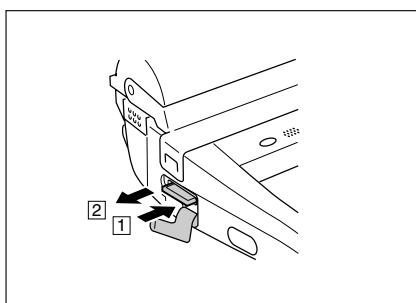
1. Check that the power is off. If the power is on, always make sure to turn it off by pressing the power key.
2. Open the cover of the SD memory card slot (1) and insert an SD memory card all the way in until the top of the SD memory card aligns with the entrance of the slot of the Handheld Printer Terminal (2).



3. Close the cover of the SD memory card slot.

Removing an SD Memory Card

1. Check that the power is off. If the power is on, always make sure to turn it off by pressing the power key.
2. Open the cover of the SD memory card slot and press on the SD memory card (1). The SD memory card is pushed out (2).



3. Pull out the SD memory card and close the cover of the SD memory card slot.

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