ECTr

Handheld Printer Terminal
手持打印机终端
Portatif Yazıcı Terminali

CASIO®

IT-9000

Series
系列
Serisi

User's Guide
用户说明书
Kullanım Kılavuzu

Be sure to read "Safety Precautions" inside this guide before trying to use your Handheld Printer 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

在使用手持打印机终端之前，请务必阅读本说明书中的"安全注意事项"。阅读完毕之后，请将本说明书妥善保存，以备今后参考。

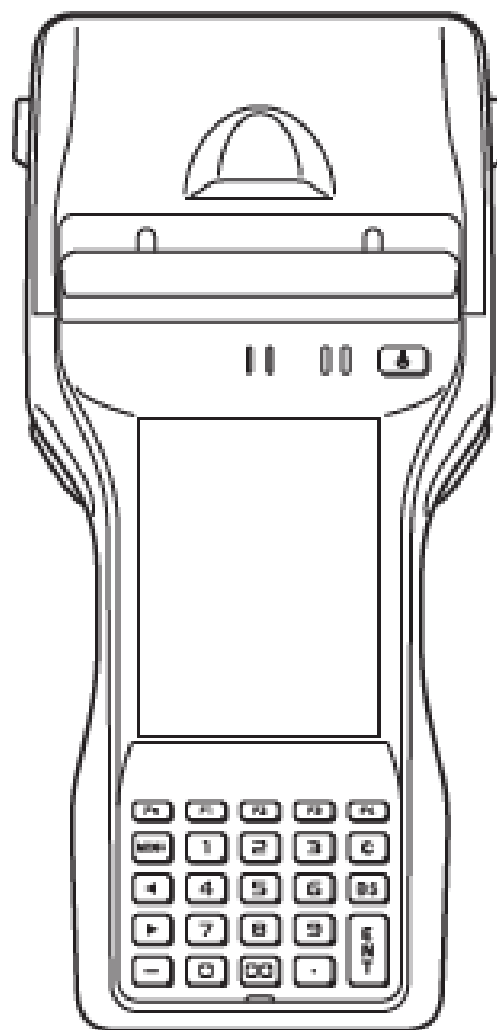有关产品的详细信息，请另外参阅：http://world.casio.com/system/pa/UsersGuide/sup85_e.html

Portatif Yazıcı Terminali kullanmadan önce kılavuzun içindeki "Güvenlik Önlemlerini" okuyunuz.
Kılavuzu okuduktan sonra ileride başvurmak için güvenli bir yere kaldırınız.
Ürün detayları için ayrıca şuraya başvurun
http://world.casio.com/system/pa/UsersGuide/sup85_e.html

English

中国語

Türkçe

Bluetooth

- BLUETOOTH is a registered trademark owned by Bluetooth SIG, Inc. and licensed to CASIO COMPUTER CO., LTD.

- Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Bluetooth

- BLUETOOTH是注册商标，为Bluetooth SIG，Inc.所拥有，并授权卡西欧计算机株式会社使用该商标。

- Microsoft和Windows是微软公司在美国和/或其他国家的注册商标或商标。

Bluetooth

- BLUETOOTH, Bluetooth SIG, Inc. şirketinin sahip olduğu ve lisansı CASIO COMPUTER CO., LTD'ye verilen tescilli bir ticari markadır.

- Microsoft ve Windows ABD'de ve/veya başka ülkelerde bulunan Microsoft Corporation'ın tescilli ticari ya da ticari markalarıdır.

Contents

English

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

⚠ • The Handheld Printer Terminal emits laser light.
Never look directly into the laser light or shine the laser light into anyone's eyes.

⚠ Warning

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

❗ • Keep your Handheld Printer Terminal at least 22 centimeters (8^{11}/$_{16}$") 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.

•Do not use the Handheld Printer Terminal nearby gas pump or chemical tank or any other places flammable or explosive.
•This terminal must not be co-located or operating in conjunction with other transmitter.

⚠ 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 LCD Screen.

Do Not Touch Internal Components

- Never touch any high-voltage components. This can cause an electric shock.

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.

⚠ Warning

Avoiding Traffic Accidents

- Never use your Car Mounted-type Battery Charger while operating a motor vehicle. Park your vehicle in a safe place before performing any operation.
- Never locate the Car Mounted-type Battery Charger where it might interfere with proper operation of the vehicle.
- Locate connecting cables as instructed by the manual, avoiding locations that can interfere with driving operations.

Car Battery Power

- Should the Car Power Cable become damaged, replace it immediately with a new Car Power Cable when using the Car Mounted-type Battery Charger.

⚠ Caution

Installing in Vehicle

- To save your vehicle's battery from running down, be sure that the Car Power Cable should be unplugged from the cigarette lighter socket when you do not use the Car Mounted-type Battery Charger and that the use of the battery charger should be avoid while the vehicle's engine is turned off.
- Do not handle the Car Power Cable with wet hands.

- Install the Car Mounted-type Battery Charger at location in a vehicle where strong vibration, unstable, excessive of humidity and dust, and under direct sunlight can be avoid. Also, avoid the area where the air bag inflates or any other area where your safe driving is blocked.
- Do not leave the Handheld Printer Terminal in vehicle for a long period of time.

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 flame nearby. 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 chargers and the cradles, 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 chargers and the cradles.
- 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 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 of all important data. One way to do this is to use the separately sold cradles to transfer data to a computer.

Operating Precautions

Your Handheld Printer Terminal and its options are precision. 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 battery pack in the Handheld Printer Terminal for a long period.**

  Dead battery pack 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

- **Dead Pixels**

  The LCD panel employed in this product uses high precision and substantial number of components which commonly cause a small number of the pixels not to light or to remain lit all the time. This is due to the characteristics of LCD panel yield in accuracy over 99.99% and permissible.

- **Water or other liquids on the power supply/data communication terminals can lead to an electric shock or fire. Note also that soiling on the terminals will impair the connection, leading to reduced charging functionality. As a safety precaution, disconnect the AC adaptor before cleaning the power supply/data communication terminals with a dry cloth or cotton bud.**

- **Lithium-ion Battery Pack**

  Each lithium-ion battery pack has its life. The life span heavily depends on how the battery pack is charged or stored which may cause deterioration of the battery pack to shorten the life span if it is handled improperly. Note the tips below to make the battery pack last long.

  — Be sure to charge the battery pack before using it if the battery pack is used for the first time or if it has not been used for a long period of time.

  — If the battery pack is repeatedly charged, the life span becomes short. To avoid the repetition of charging the battery pack, be sure that the remaining capacity is low before you start charging.

  — Be sure to charge the battery pack in recommended temperature range. The temperature range is dependant on device you use to charge including battery chargers and Handheld Printer Terminals. Refer to the respective user guides. Charging the battery pack in a temperature outside of the recommended range causes deterioration.

  — When used at low temperatures, the battery pack has a reduced capacity and will supply power for shorter time.
  The life span of the battery pack is also shortened.

  — Charging the battery pack while the battery pack itself is freeze including inside causes deterioration. Be sure to resume an ordinary room temperature on the battery pack and then leave it unattended for approximately one hour before charging.

  — After charging the battery pack, if the performance of the battery pack does not show any recovery, it is a sign of ending the life. Replace it with a new battery pack.

  — Avoid the battery pack with a full of the capacity to store for a long period of time. If you need to store it for a long period, be sure that the remaining capacity is 30 to 50 percent and to store in a moderate low temperature. This can reduce deterioration.

  — The battery pack gradually deteriorates over time. In particular, storing (or using) the fully charged battery pack at high temperatures tends to accelerate battery pack deterioration.

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

FC

Model Number: HA-L60IO, HA-L62IO
Trade Name: CASIO
Responsible party: Industrial Handheld Division
                     Casio America, Inc.
Address: 570 Mt. Pleasant Avenue, Dover, New Jersey 07801, USA
Telephone number: 973-361-5400

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 conformé 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 étre 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-semt/pubs/radiation/99ehd-dhm237/index_e.html

Europe

Products are for distribution within all member states of the EU.

CE 0984 ①

France limited to 2446.5-2483.5 MHz Indoor use.

Belgium limited to 2400-2483.5 MHz Indoor, 2460-2483.5 MHz Outdoor use.

Optional models HA-L60IO, HA-L62IO, HA-L30CHG, HA-L35CHG, HA-G32DCHG and HA-G20BAT are in conformity with the Council Directive 2004/108/EC.

CE

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
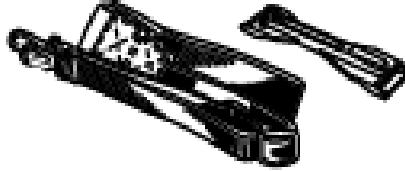Casio-Platz 1, 22848 Norderstedt, Germany

Handheld Printer Terminal System Configuration

Bundled Items

Please check the items in the box before using the Handheld Printer Terminal for the first time.
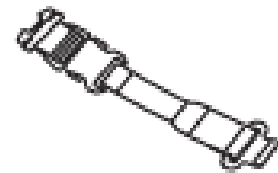
Handheld Printer Terminal
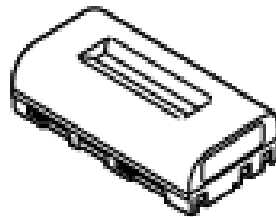
Neck Strap and Stylus Holder

Stylus

IT-9000 Series

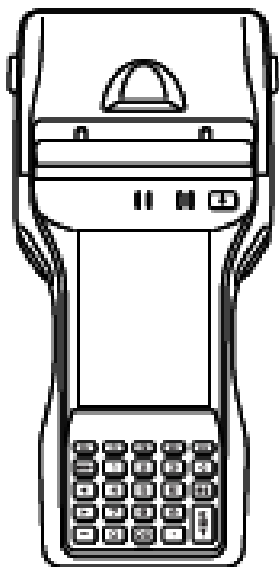**Hand Strap**

Neck Strap Rings

Roll Paper (80 mm)*

Battery Pack

User's Guide (this manual)

56 mm Paper Width Adjuster*

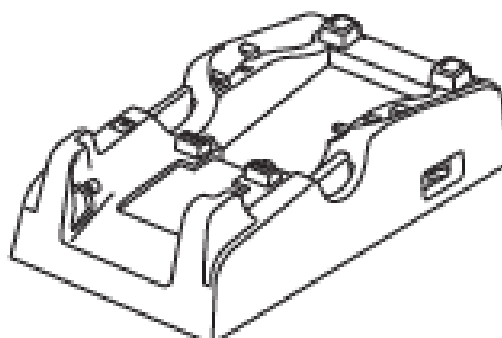*Not included with IT-9000GM30E/GMC30E/GM35E.

USB Cradle
HA-L60IO

Ethernet Cradle
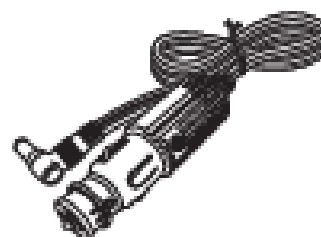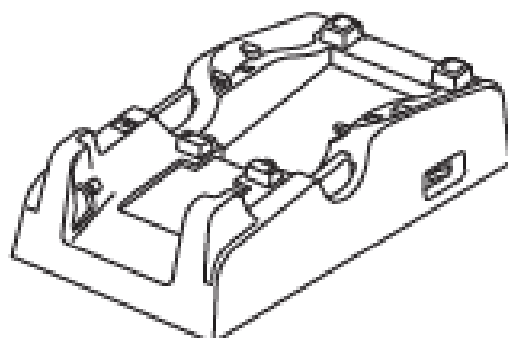HA-L62IO

Cradle-type Battery Charger
HA-L30CHG

The illustration shows the
USB Cradle (HA-L60IO).

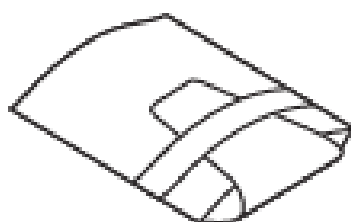### Car Mounted-type Battery Charger
HA-L35CHG

The car power cable accompanies
to HA-L35CHG.

Battery Pack
HA-G20BAT
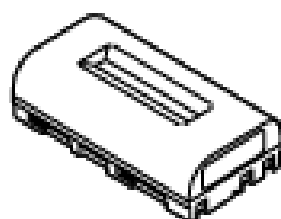
Dual Battery Charger
HA-G32DCHG
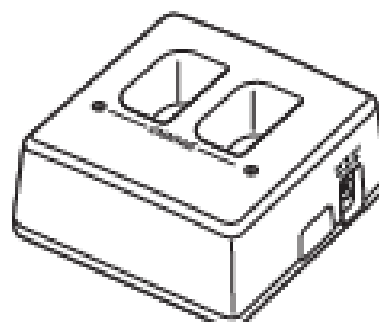
For the latest options list, refer to the ON-LINE manual available at
http://world.casio.com/system/pa/UsersGuide/sup85_e.html

AC Adaptor
AD-S42120C-N5
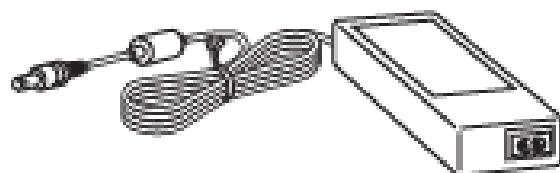
Screen Protect Sheet
HA-C90PS5B
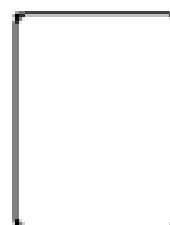
Power Cord for Europe AC-CORD-EU
Power Cord for North America AC-CORD-US
Power Cord for Taiwan AC-CORD-TW
Power Cord for Korea AC-CORD-KR
Power Cord for Australia AC-CORD-AU

USB Cable (for host)
HA-J60USBH
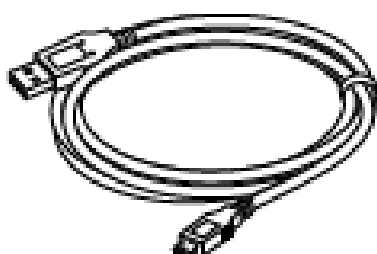
USB Cable (for client)
HA-J81USBC
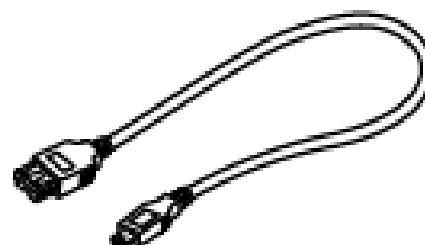
USB Cable (to connect cradle to PC)
DT-380USB-A

General Guide

Shapes vary according to model.

Top

17

16
17

Left

10
29
12
13

Front

1
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4
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Right

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Back

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Bottom

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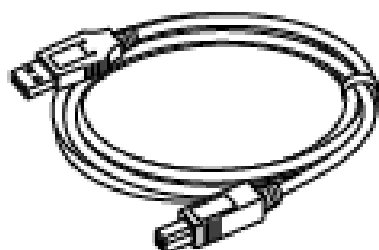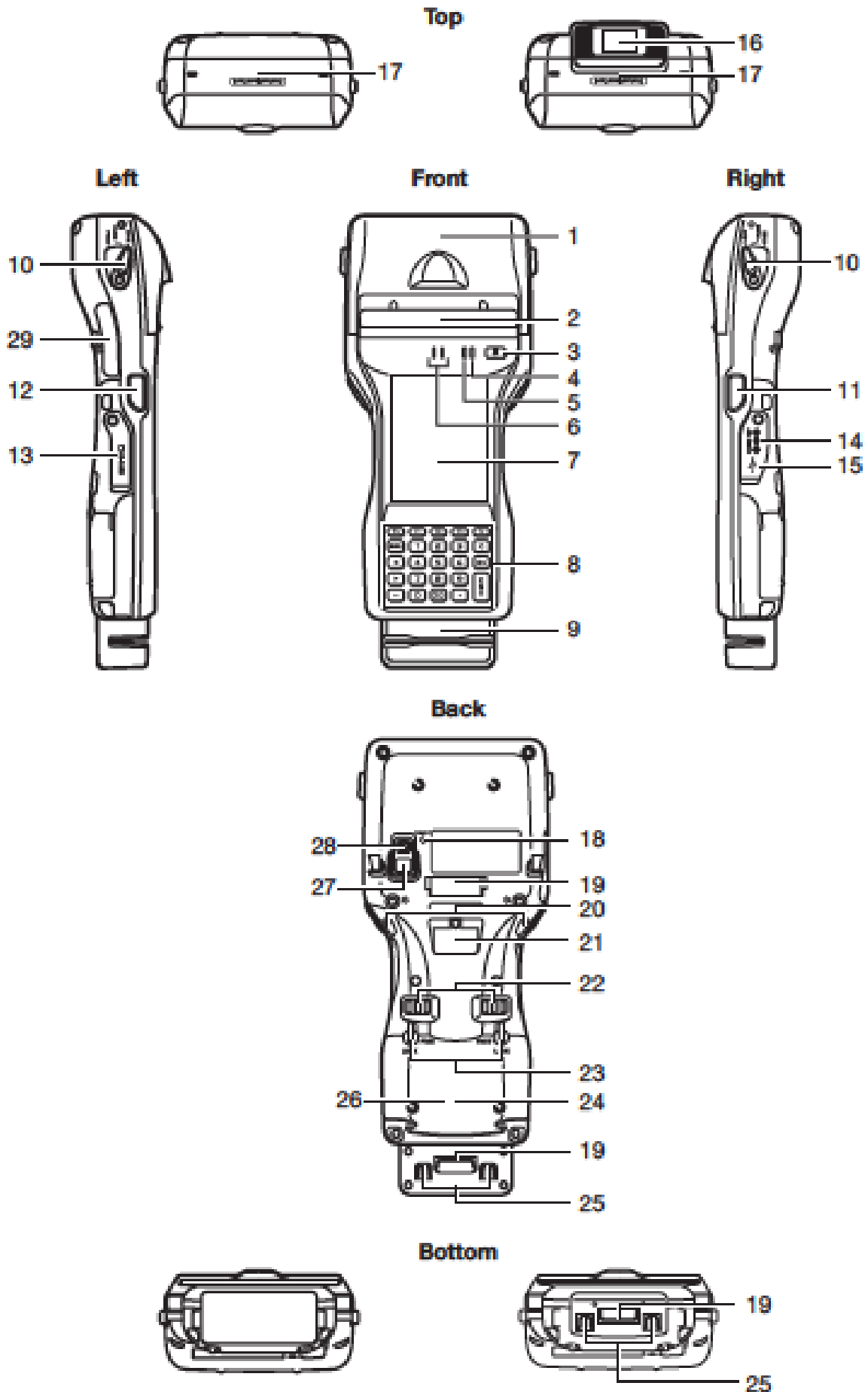|					
1	Printer	12	L Program Key** (for IT-9000-E/GE/ 05E/05E-CN/G05E)	22	Power Supply/Data Communication Terminals
2	Splash Protect Cover				
3	Power Key				
4	Indicator 2	13	SD Memory Card Slot	23	Battery Pack Cover Lock Switches
5	Indicator 1	14	DC Jack		
6	Speaker	15	USB Port	24	Battery Pack Cover
7	Screen	16	Barcode Reader (IT-9000-20E/25E/ G20E/G25E/GC25E/ GMC25E/GM30E/ GMC30E/GM35E/TT-9000E-C25E/MC25E only)	25	Neck Strap Hooks***
8	Keys*			26	SIM/SAM Card Slot****
9	Magnetic Card Reader (IT-9000-GM30E/ GM35E/GMC25E/ GMC30E/TT-9000E-MC25E only)			27	LED (IT-9000-GC25E/GMC25E/ GMC30E/TT-9000E-C25E/MC25E only)
10	Printer Cover Lock Switches	17	NFC Reader	28	Camera Lens (IT-9000-GC25E/GMC25E/ GMC30E/TT-9000E-C25E/MC25E only)
		18	Reset Switch		
11	R Program Key** (for IT-9000-E/GE/ 05E/05E-CN/G05E)	19	Hand Strap Hook***		
		20	Cradle Mount Holes		
		21	Extension Port	29	SD Card Slot (IT-9000E-C25E/MC25E only)

*Refer to "Keys" on the next page.

** The IT-9000-20E/25E/G20E/G25E/GC25E/GMC25E/GM30E/GMC30E/GM35E/TT-9000E-C25E/MC25E models are equipped with a trigger key.

***Located on the bottom in the IT-9000-E/GE/05E/05E-CN/G05E/20E/25E/G20E/ G25E/GC25E/TT-9000E-C25E models.

****The IT-9000-E/05E/05E-CN/20E/25E/TT-9000E-C25E/MC25E models do not feature a SIM card slot.

Keys
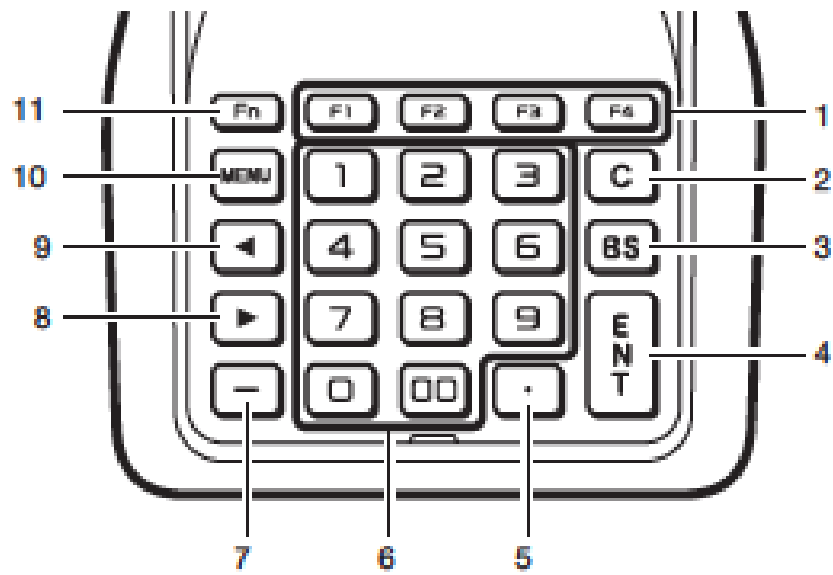
1	Function Keys	5	.	9	◀ (Cursor Key)
2	C (Clear) Key	6	Numeric Keys	10	MENU Key
3	BS (Backspace) Key	7	–	11	Fn Key
4	ENT (Enter) Key	8	▶ (Cursor Key)		

Loading and Removing the Battery Pack

Your Handheld Printer Terminal uses two types of battery: a battery pack and a memory backup battery.
The battery pack is used to power normal operations and to store data, while the memory backup battery provides the power required to maintain memory contents when the battery pack power is unable to supply power for some reason.

Use the battery pack (HA-G20BAT) as the main power source.
The backup battery is installed inside of the Handheld Printer Terminal.

This guide uses the following terms to refer to the batteries.
Battery Pack: Rechargeable battery pack (HA-G20BAT) 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.
You can use the Dual Battery Charger, the Cradle-type Battery Charger, the USB Cradle, the Ethernet Cradle, the Car Mounted-type Battery Charger, or the AC adaptor to charge a battery pack installed in the terminal. See the relevant sections in this guide for the respective options about how to use.

Important!
Always keep backup of all important data!

- The battery pack 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 battery pack if 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 backup 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.

- If a battery pack is used past the end of its service life, it may swell up in size. In such a case, replace the battery pack with a new one.

- If the backup battery is fully charged, it will maintain the contents of the terminal's memory (RAM) for approximately 10 minutes when the main battery pack is removed.

- It takes 4 days with the main battery pack installed in the terminal for the backup battery to be charged fully.
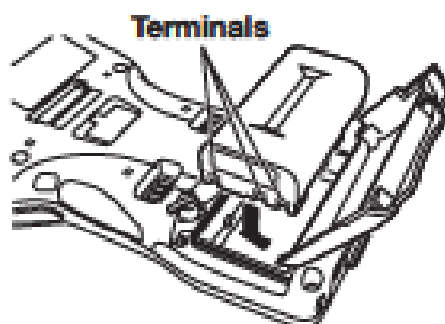
Loading

1. Turn the terminal upside down. If the hand strap is fitted to the terminal, remove it.

2. Turn the left and right lock switches for the battery pack cover to the "FREE" position, and then open the battery pack cover.
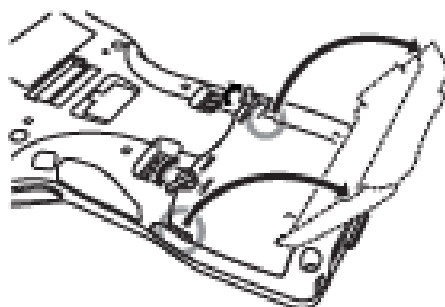
3. Hold the battery pack level so that the side with the terminals faces left and load it from directly above, first sliding it to the right.

4. Slide the battery pack to the left (so that the catches in the battery pack compartment slot into the notches in the side of the battery pack).

5. Close the battery pack cover, and then return the battery pack cover lock switches to the "LOCK" position.

Removing

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

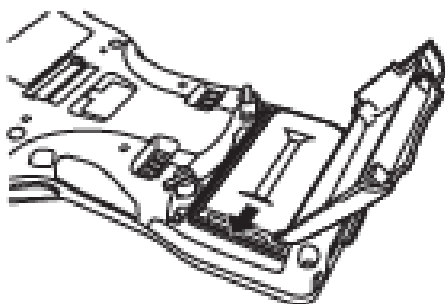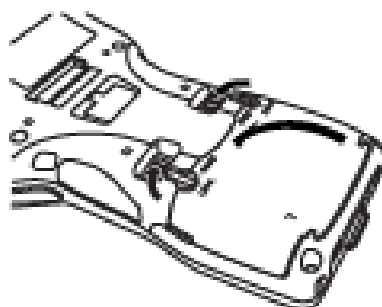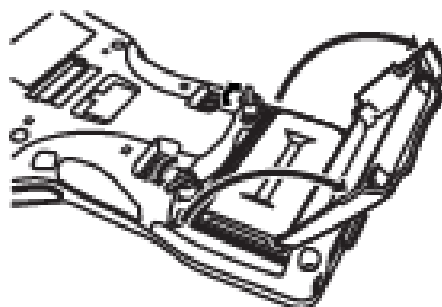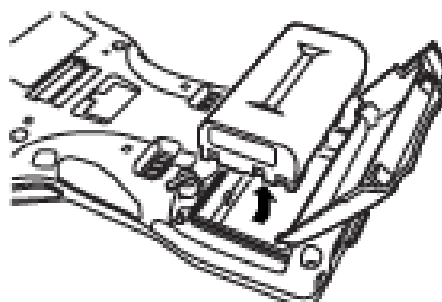   If the power is on, press the power key to turn it off.

2. Turn the terminal upside down. If the hand strap is fitted to the terminal, remove it.

3. Turn the left and right lock switches for the battery pack cover to the "FREE" position, and then open the battery pack cover.

4. Slide the battery to the right and lift it directly upwards out of the compartment.

Important!

- When removing 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 ones that are specified for this product.

- When closing the cover after loading the battery pack, check that the battery pack is loaded correctly. Closing the cover when the battery pack is not loaded correctly can result in damage.

- When removing the battery pack, note that you cannot lift it out of the compartment while it is pushed to the left. Be sure to slide the battery to the right and then lift it directly upwards.

Charging the Battery Pack

Battery pack installed in the terminal can be charged using either cradle, battery charger or AC adaptor (AD-S42120C-N5). Battery charge condition can be monitored with Indicator 1 on the terminal. Multiple battery packs can also be charged simultaneously using Dual Battery Charger.

USB Cradle/Ethernet Cradle/Cradle-type Battery Charger

When inserting the IT-9000 into the cradle, push it in so that the mount hooks engage the mount holes in the IT-9000. To remove the IT-9000, press the removal button.
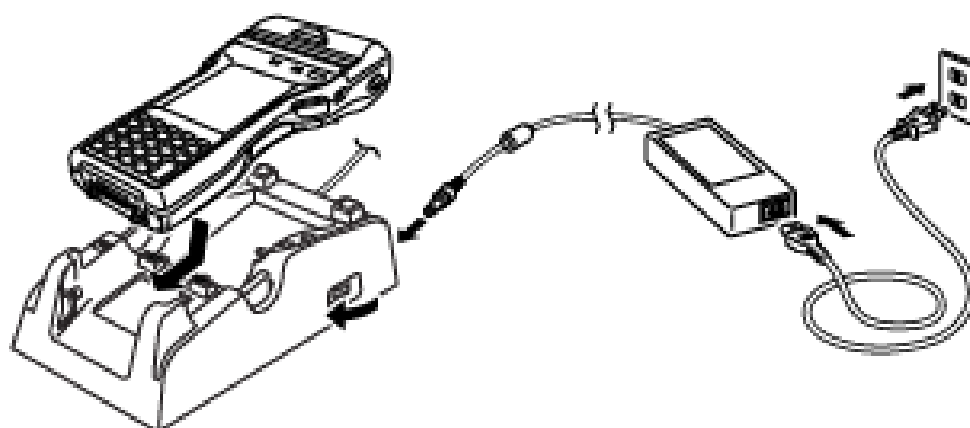
Status of Indicator 1 on IT-9000:

Orange: Charging
Red: Standby due to battery pack error or the surrounding temperature is out of the charging temperature range
(charging begins when the temperature is within the charging temperature range)
Green: Charging complete

Car Mounted-type Battery Charger

Plug in the Car Power Cable accompanied in the box to the Car Mounted-type Battery Charger as illustrated below and the other end to the cigarette lighter socket in vehicle.
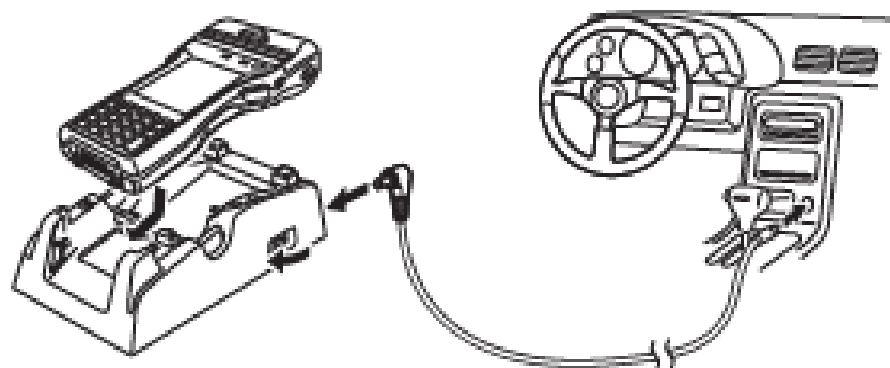
Status of Indicator 1 on IT-9000:

Refer to "USB Cradle/Ethernet Cradle/Cradle-type Battery Charger" above.

Dual Battery Charger

Taking care that the battery pack is oriented correctly, insert it into the Dual Battery Charger.

This causes the Charge Indicator LED to light in red, indicating that charging has started.
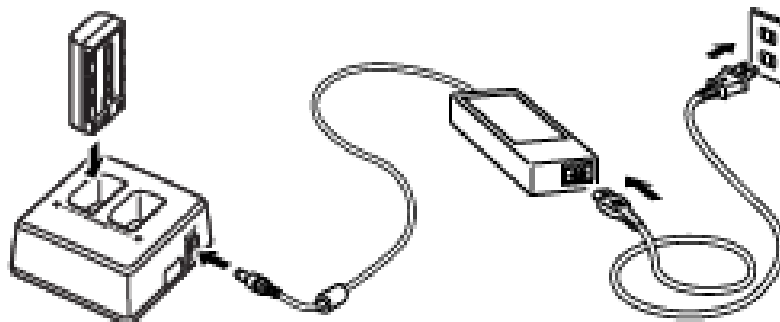

You can connect up to three Dual Battery Chargers.

Status of Charge Indicator LED

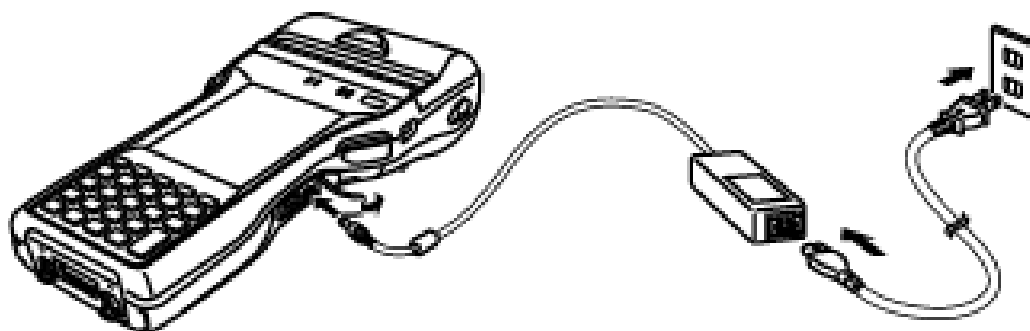|	
Off:	Not charging
Red:	Charging
Red Flashing:	Battery pack problem
Green:	Charging complete
Green Flashing:	Standby due to the surrounding temperature being beyond the specified temperature range (Approximately 0°- 40°C) (charging resumes when the temperature reaches the range.)

AC Adaptor

Status of Indicator 1 on IT-9000:

Refer to "USB Cradle/Ethernet Cradle/Cradle-type Battery Charger" on the previous page.

Handling the Hand Strap

A hand strap can be attached to the Handheld Printer Terminal.
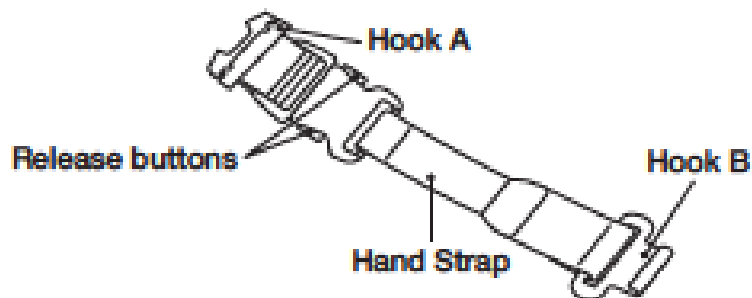
Attach the hand strap following the procedure described below.

1. Attach Hook B of the hand strap to the hand strap hook located on the bottom of the Handheld Printer Terminal. (On models with a magnetic card reader, the hook is located at the bottom of the terminal on the back of the reader.)
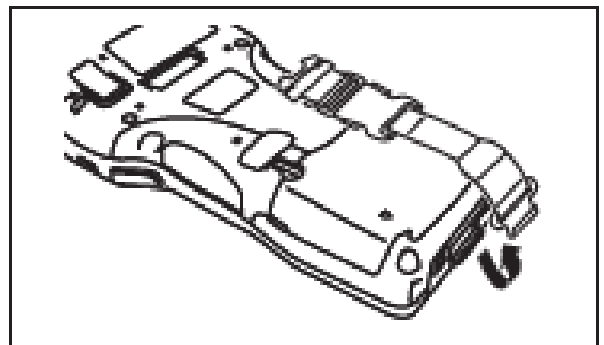
2. Pull on the hand strap in the direction shown in the illustration, and then fasten Hook A onto hook ([1]) on the back of the Handheld Printer Terminal.
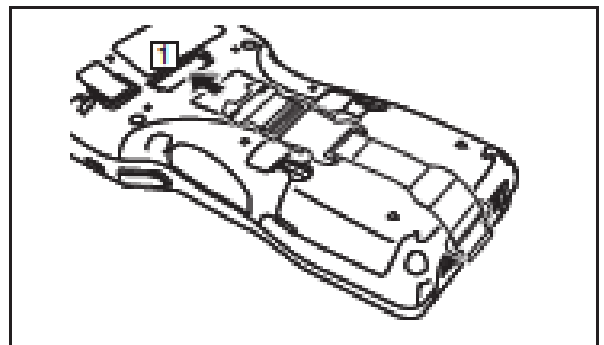
3. Fasten the wire of Hook A by inserting into the indentation in the Handheld Printer Terminal.

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

- Press the left and right release buttons to separate the strap.
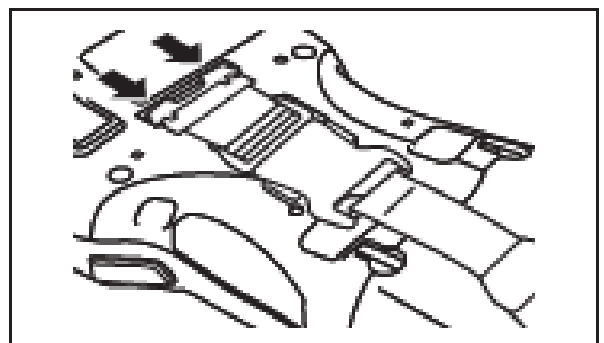
* The illustration shows the IT-9000-20E.

Important!

- When installing or removing the battery pack, always remove the hand strap first. Pulling on the hand strap with excessive force could cause damage.

Handling 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.
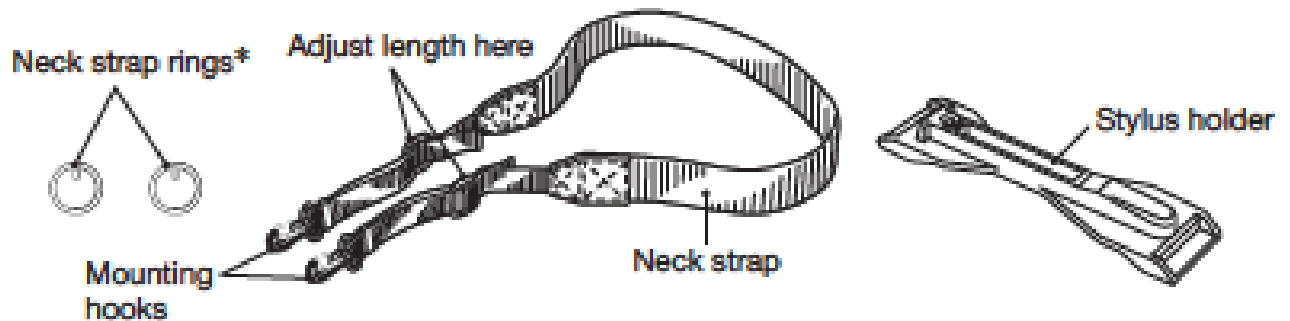

Attach the neck strap following the procedure described below.

Attaching

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. (On models with a magnetic card reader, the hooks are located at the bottom of the terminal on the back of the reader.) 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.
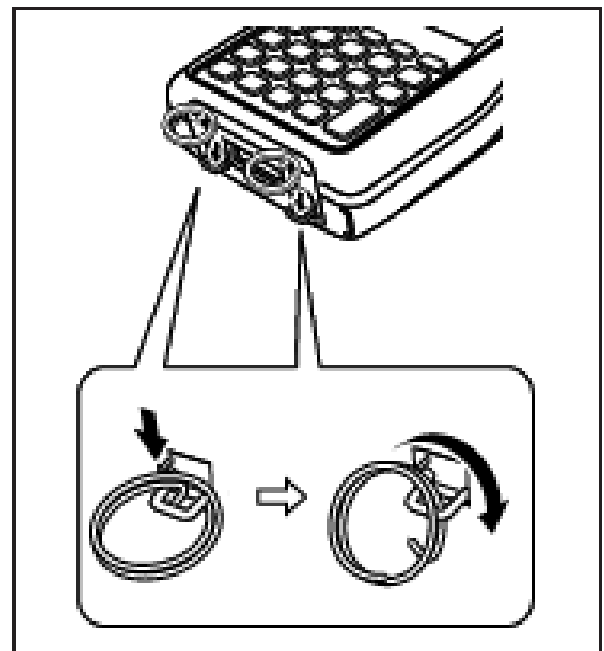
The illustration shows the IT-9000-20E.
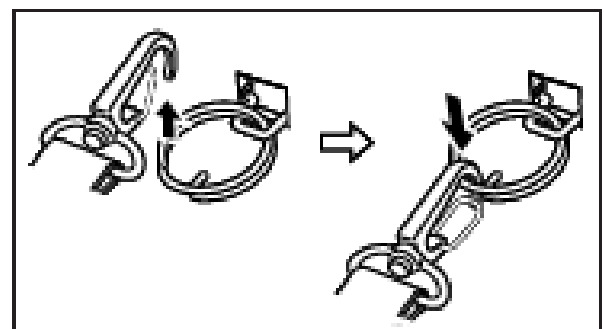
- *; The rings give an extra mechanical strength for the Neck Strap. The metallic hooks of the Neck Strap can, in rare case, be worn by abrasion induced by swinging the IT-9000 terminal specifically when it is hung from the operator's neck with the Neck Strap. For those who often use the IT-9000 terminal in a hanging position, it is recommended to use the rings to secure the Neck Strap.

Removing

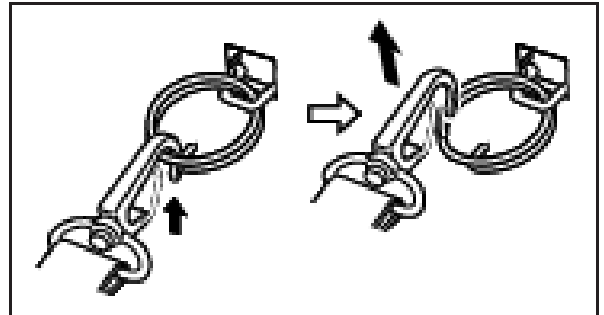1. Pull back the locking bar of the neck strap mounting hook and then release the hook from each ring as shown in the illustration.

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.
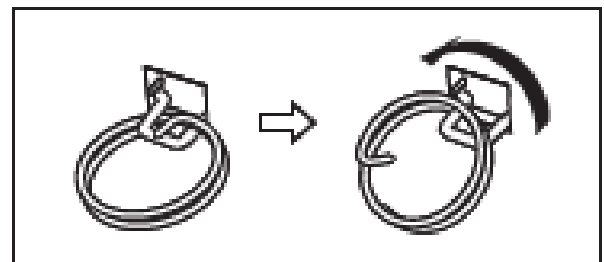
Attaching the Stylus Holder

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.

Bracket B

Mounting Hook C   Bracket A
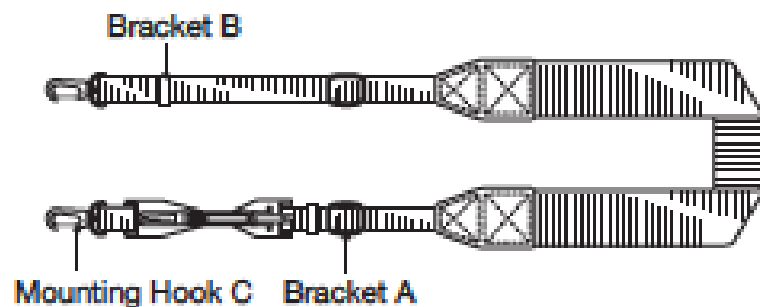
Attach the stylus holder following the procedure described below.

1. Remove the end of the strap from Bracket A and Bracket B.
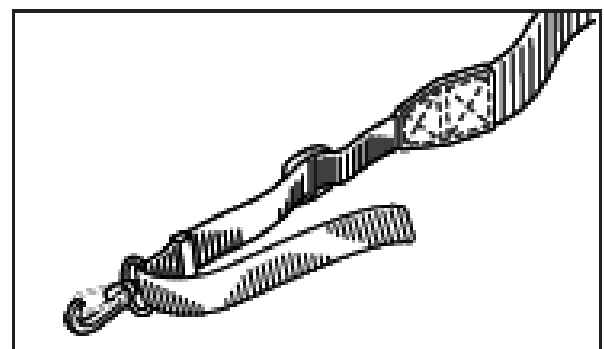
2. Remove Mounting Hook C.
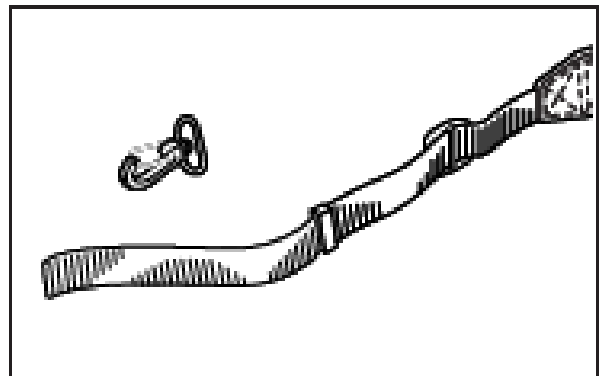
3. Pass the stylus holder through the strap as shown in the illustration.
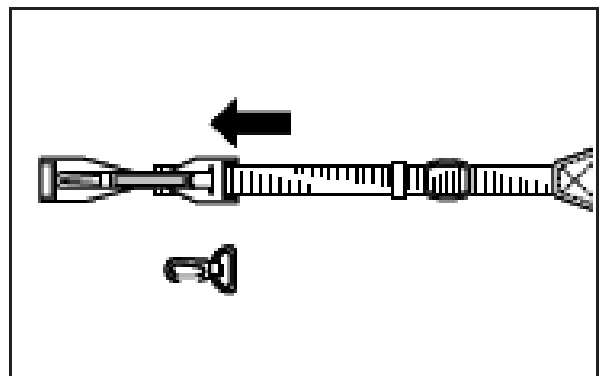
4. Fold back the strap after passing through Bracket C, and then fasten in the same way it was originally fastened with Bracket A and Bracket B.
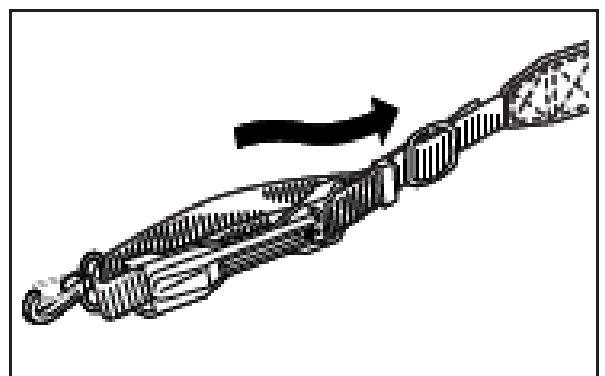
- Do not pass the strap through the stylus holder when folding it back.

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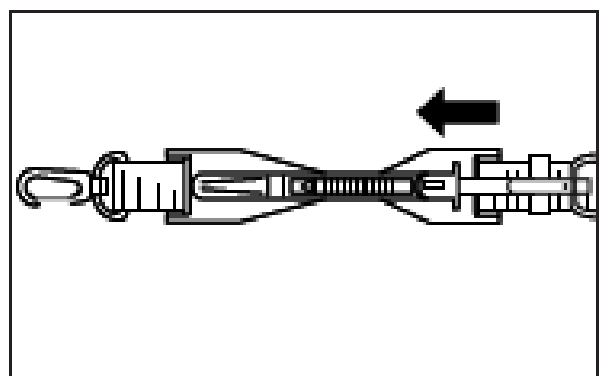
Important!

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

Configuring Handheld Printer Terminal Settings

Calibrating Touch Screen Alignment

Whenever the response of the touch screen is poor, or operation being executed does not match with the location you are tapping on the touch screen, please recalibrate the alignment of the touch screen using the following method.

- Press the Fn key and then press the "4" key after confirming that "F" is displayed in the lower right corner of the screen. The following screen is displayed.

* You can also display this screen by navigating as follows:

  Windows CE models: Start → Settings → Stylus → Screen → Align Screen

  Windows mobile models: Start → Settings → System → Screen → Align Screen

Windows CE models
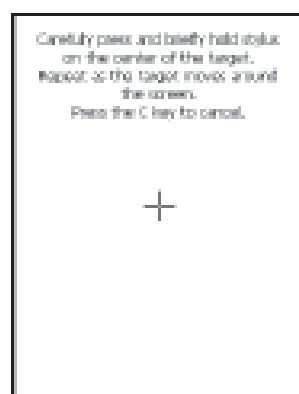
Windows mobile models

- Press the stylus against the center of the target mark (+ mark) as indicated on the screen.

Windows CE models:
Press the stylus against the target mark on the screen 5 times to display the next screen. Then press the ENT key or tap anywhere on the screen.

Windows mobile models:
After the calibration is complete, the terminal resumes a screen automatically according to the method carried out to initiate the calibration.

If you start the calibration by pressing Fn and "4" keys, the terminal resumes Start screen, or General tab screen of Settings mode which is the screen one before align screen of Settings mode if you initiate by navigating to the icons.

Using the Printer

The printer can print on roll paper (80 mm or 58 mm wide).*

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. Turn the left and right printer cover lock switches to the "FREE" position to unlock the printer cover.
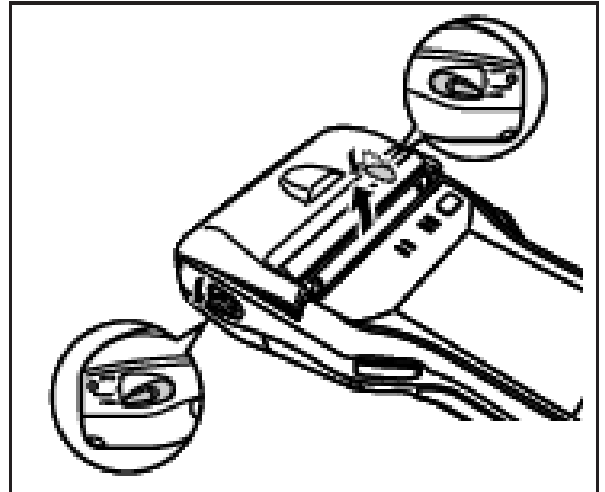
3. Open the printer cover.
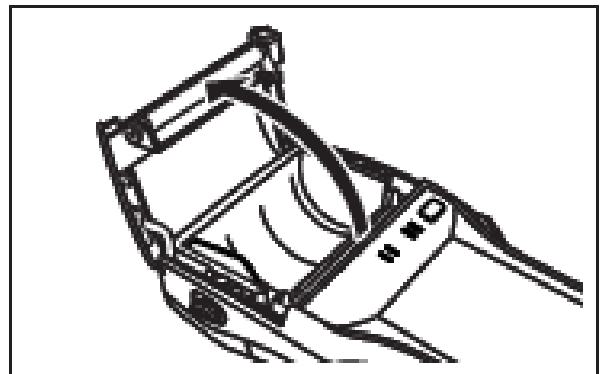
4. Peel off the seal from the roll paper and install as shown in the illustration.
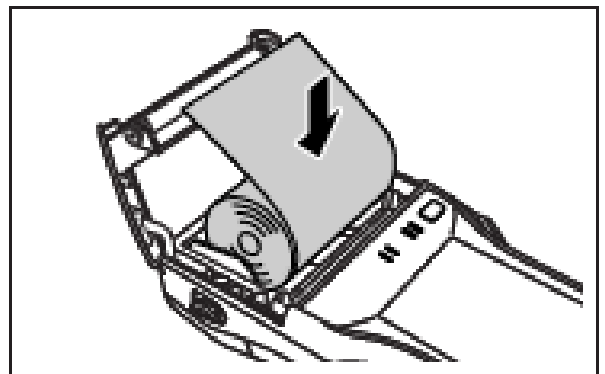
*IT-9000GM30E/GMC30E/GM35E prints on 82.55 mm width roll paper only.

5. Close the printer cover.
   Turn the left and right lock switches from the "UNLOCK" position to the "LOCK" position to lock the printer cover.
   Tear off the protruding roll paper.
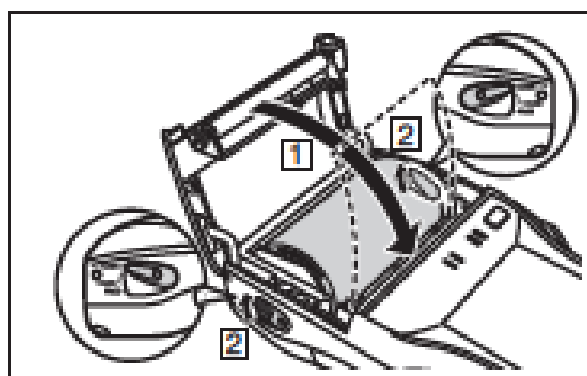
Important!

- If necessary, slide the splash protect cover closed.
- When printing, slide the splash protect cover back fully to open it.
- When you are using the IT-9000 outdoors in the rain or in similar situations, slide the splash protect cover fully closed.

- The splash-proofing function is not guaranteed to work when the splash protect cover is closed with roll paper present outside the printer cover.

- The splash-proofing function is not guaranteed to work when the splash protect cover has been opened.

- 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 printer cover 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.

- 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.

- The splash-proofing and impact protection functions are not guaranteed to work while the printer cover is unlocked. Always turn the lock switch to the "LOCK" position to lock the cover.

- Open the splash protect cover before opening or closing the printer cover. Opening or closing the printer cover without first opening the splash protect cover will damage the splash protect cover such that it is no longer splash-proof.
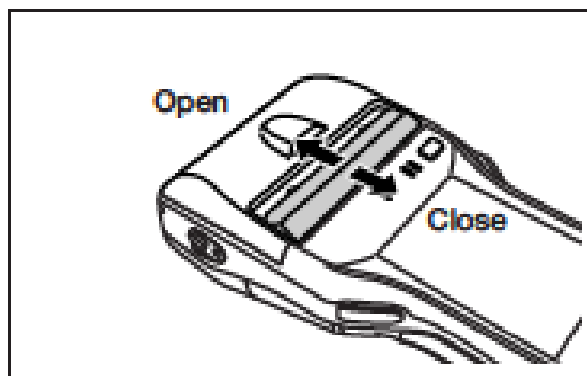
Attaching the 58 mm Paper Width Adjuster

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

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.
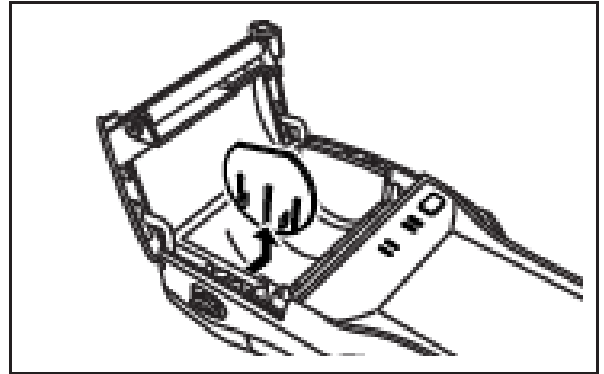
2. Press the attachments of the 58 mm Paper Width Adjuster from the left and right sides as shown in the illustration.
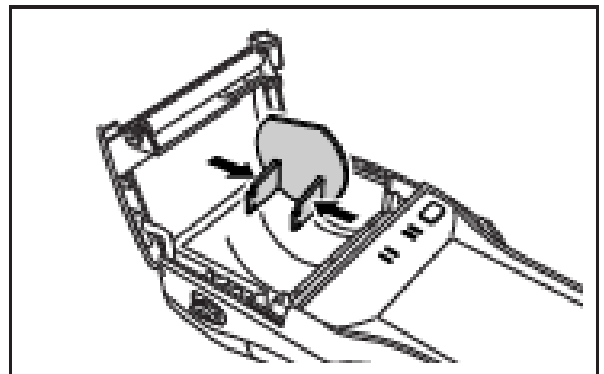
3. Insert the attachment of the 58 mm Paper Width Adjuster into the mounting holes inside the left side of the printer cover to lock in position.
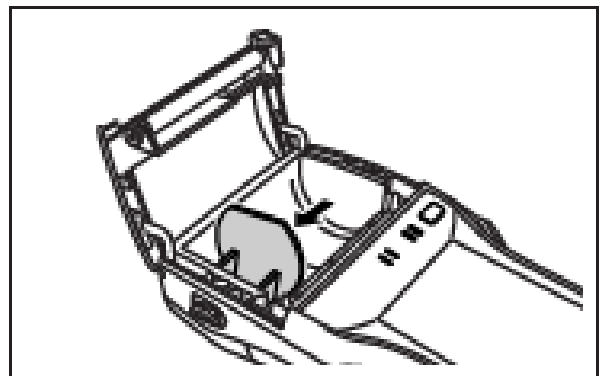
Important!

• 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-9000GM30E/GMC30E/GM35E.

Precautions When Using Printer

Printing Accuracy

1. During high-duty printing such as printing horizontal lines or printing while the battery remaining capacity is low, the printing speed may slow down to prevent excess current consumption that may cause unaligned printing for one dot or more.
2. Line change errors may occur if the printing interval between lines is about one second or more. In the case of using formed sheet paper, either use a large frame with free spaces available or set the printer to continuously print to prevent the line change errors.
3. Because printing may pause if the battery remaining capacity is low, line alignment error or printing with uneven space between characters may occur when printing resumes later.
4. Printing may be illegible right after the printer cover has been opened for reloading roll paper. This can be prevented by feeding the roll paper before starting printing again.
5. The printer will not print unless the paper is loaded properly. Always make sure to properly load the paper before starting printing.
6. Only use the recommended printer paper. Use of paper other than the recommended printer paper can reduce printing quality, shorten printer service life or cause other detrimental effects that have the risk of impairing printer characteristics.
7. Observe the following when storing printer paper.

   - Do not store paper in locations subject to high temperature and high humidity since spontaneous coloring of the paper occurs at temperatures of 60°C (140°F) and above.

   - Store paper in a cool, dark location while avoiding excessive exposure to direct sunlight.

   - Plastic films containing plasticizers, ester-based erasers, tape and glue can cause discoloration, while contact with organic solvents, diazo copy paper or scratching with the fingernail, etc. can cause the paper to become colored.

Others

1. The temperature range for printing with label paper is 5 to 35°C.
2. Once the end mark of the paper appears, promptly replace with new paper.
3. Recommended paper: Use only specified papers by CASIO.
4. Paper scraps may accumulate and printing quality may decrease when the printer has been used for a long period of time. The thermal head must be cleaned when this happens. Contact your nearest CASIO distributor or an authorized CASIO service provider to have cleaning performed.
5. Printing quality may decrease when the surrounding temperature becomes excessively low.
6. If once the printer is set for 58 mm width paper, it cannot be changed again for 80 mm width paper.
7. Load paper in the printer when not using for a long period of time to prevent damage to printer components.

Important!

• Do not touch the thermal head during or immediately after printing.

Handling SD Memory Cards

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

Installing

1. 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).
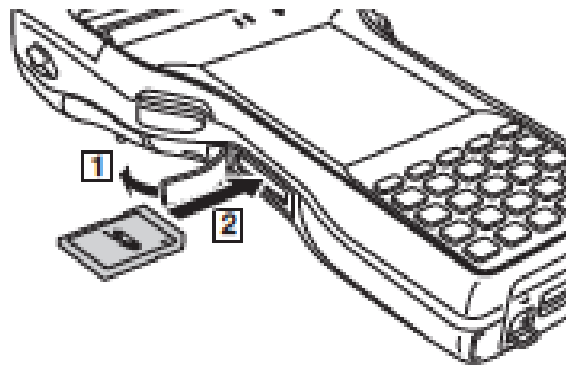
2. Close the cover of the SD memory card slot.

Important!

- An SD memory card must be inserted with the top and bottom properly aligned and in the proper direction. Attempt in inserting it with an excessive force in incorrect orientation can risk damage to the connectors and slot.

- Never turn off the power or remove an SD memory card from the slot while the card is being accessed. Doing so can damage the SD memory card or data in the card.

- Do not drop the card or lose it.

Removing

1. 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).
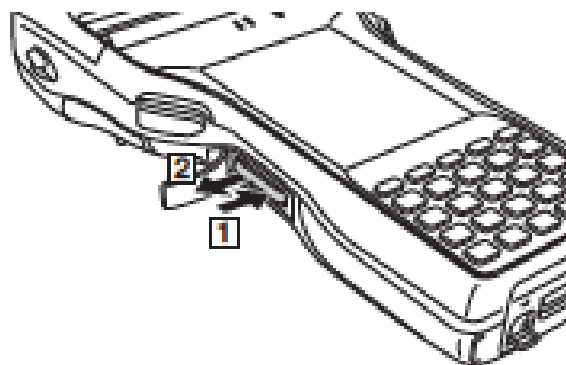
2. Pull out the SD memory card and close the cover of the SD memory card slot.

Handling SIM/SAM Cards

The Handheld Printer Terminal supports SIM cards and SAM cards. (The IT-9000-E/05E/05E-CN/20E/25E/IT-9000E-C25E/MC25E models only support SAM cards.) Since the SIM/SAM card slot is located inside the battery pack compartment, first remove the battery pack when installing or removing a SIM/SAM card.
Refer to pages 19 to 21 for information on "Loading and Removing the Battery Pack".
Install (or remove) a SIM/SAM card according to the procedure described below.
The type and number of cards varies depending on model.

Installing

1. Make sure that the power on the terminal has been switched off. If the power is still on, press the power key to switch off the power.

2. Remove the battery pack.

3. Using the tip of a screwdriver or similar tool, lift up the tab on the slot cover and remove the slot cover as shown in the illustration.
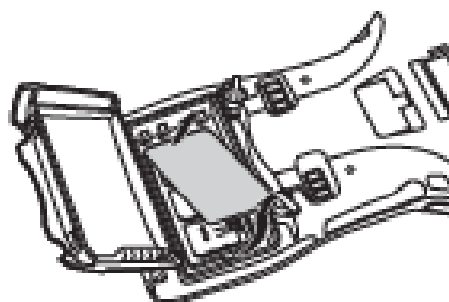
4. Slide the SIM/SAM card cover in the "Unlock" direction and lift up the end of the cover to open it.
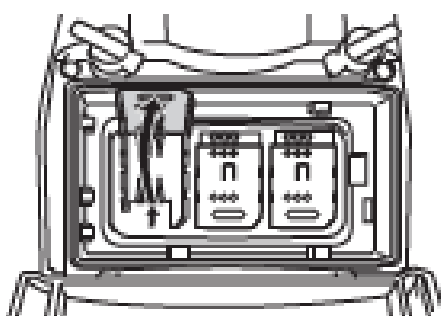
5. Insert the SIM/SAM card.

6. Lay the SIM/SAM card cover down to close it and then slide it in the "Lock" direction.

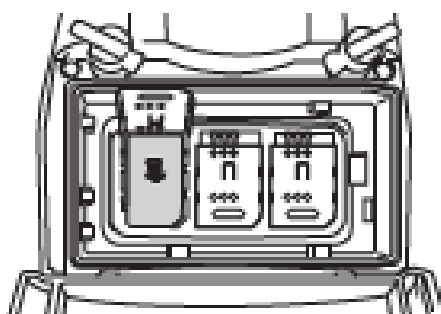

7. Fit the slot cover.

8. Load the battery pack.

Removing

1. Make sure that the power on the terminal has been switched off. If the power is still on, press the power key to switch off.

2. Remove the battery pack.

3. Using the tip of a screwdriver or similar tool, lift up the tab on the slot cover and remove the slot cover as shown in the illustration.
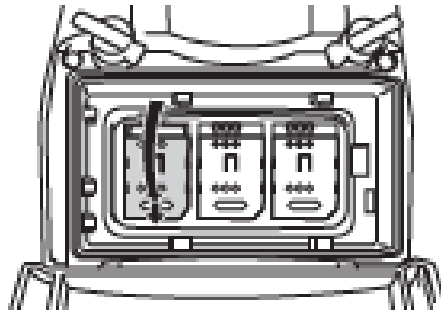

4. Slide the SIM/SAM card cover in the "Unlock" direction and lift up the end of the cover to open it.
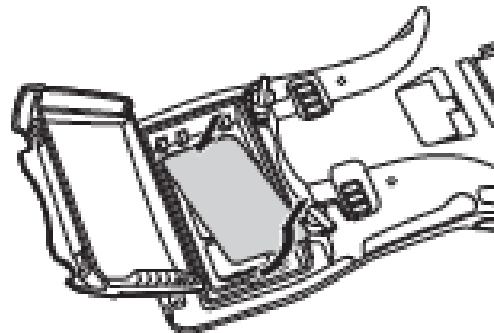
5. Remove the SIM/SAM card.
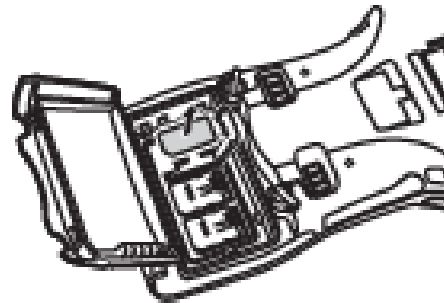
6. Lay the SIM/SAM card cover down to close it and then slide it in the "Lock" direction.
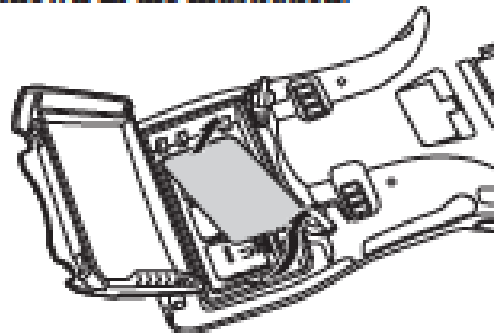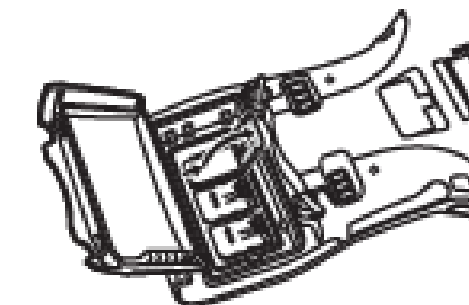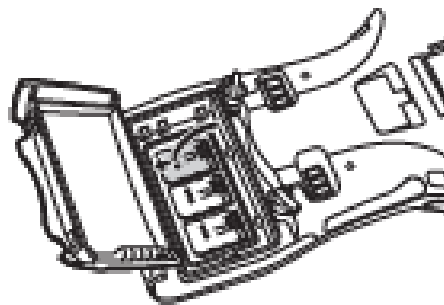
7. Fit the slot cover.
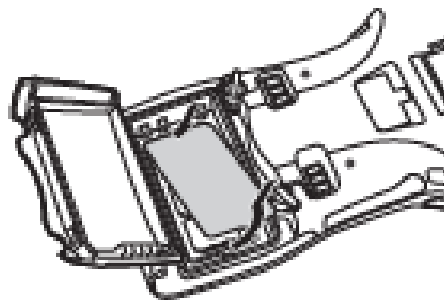
8. Load the battery pack.

Important!

- **The type and number of cards inserted varies depending on model.**
- **Insert the cards in the correctly marked slots.**
- **A SIM/SAM card must be inserted with the top and bottom properly aligned and in the proper direction. Attempting to insert the card with excessive force in an incorrect orientation can risk damage to the connectors and slot.**
- **The battery pack will not be able to be properly installed if the SIM/SAM card is not properly installed. Reinstall the SIM/SAM card properly if this happens.**
- **Since data recorded in the Handheld Printer Terminal may be lost if the battery pack is removed for more than 10 minutes, complete the installation (or removing) of SIM card within 10 minutes.**
- **Touching the IC area when installing the card could result in damage to the card through soiling or an electrostatic charge.**

Handling Magnetic Card Reader

The Handheld Printer Terminal supports magnetic card reading.
This function is not available on some models. See P.17 for information on models that support this function.
Use the procedure below for magnetic card reading.

1. Insert the card at the end of the reader slot as shown in the illustration and then steadily slide the card along the slot.

   - Cards can also be slid in the opposite direction for reading.

Magnetic stripe
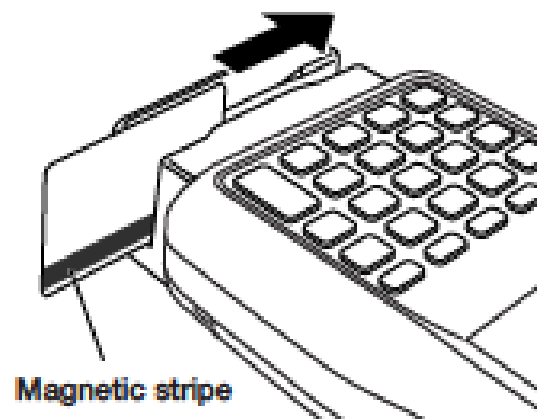
Important!

- Only use cards that are compatible with the ISO standards.

- 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 to prevent excessive friction with cards.
  Any foreign material, oil or grease on the magnetic heads could result in card reading errors.
  Use the magnetic head cleaning card to clean the heads roughly once a month or once every 1,000 passes.

Resetting the Handheld Printer Terminal

Resetting the terminal is the same as resetting a PC. Performing a reset causes all unsaved RAM data to be lost that are in mid-course of inputting and editing, but data and settings that are already stored in the FlashROM should be unaffected.
Perform a reset to restore normal operation whenever the Handheld Printer Terminal operates abnormally due to misoperation or some other reason.

Use a stylus to press the reset switch on the back of the IT-9000.
This starts the reset operation.
* Do not use a toothpick or pencil or other sharp
   object whose tip may break off the reset switch.
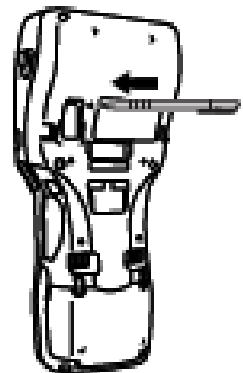
Performing a Full Reset (Initialization)

Performing a full reset deletes all data and resets various settings to their defaults.
*Data stored in the Flashdisk folder remain unaffected.

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

- When you want to delete installed programs and settings, and resume the terminal to the initial condition.
- 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.

Important!

Performing a full reset resets all data to their defaults except stored in the Flashdisk folder. If possible, backup data of the terminal to a PC or to the Flashdisk folder. The reset procedure and display message appeared on performing the reset is according to the model you operate.

1. Hold down power key and C key while pushing down the reset switch for about 3 seconds with the tip of a stylus until the message shown below appears on the display.

• To cancel the full reset operation, press L Program key.

Root Disk Clear Warning
Proceeding with this operation
initializes Root disk.
Press [R program key] to proceed
or [L program key] to cancel.

R Program key

2. Press R Program key. This causes the message shown below to appear.

• To cancel the full reset operation, press L Program key.

Root Disk Clear Warning
Proceeding with this operation deletes all data
stored in Root disk.
Press [R program key] to proceed
or [L program key] to cancel.

R Program key

3. Press R Program key again to perform the full reset.

• The full reset starts and all data in the memory are erased, and the start-up screen appears.
Data stored in the Flashdisk folder remain unaffected.

Warning Label

⚠ Warning! (IT-9000-20E/25E/G20E/G25E/GC25E/GMC-25E/IT-9000-C25E/MC25E)

■ Never look directly into the laser light.

- These products scan using laser light. Never look directly into the laser light or shine the laser light into the eyes.

- This label is a warning and caution label for Class 2 laser products that comply with IEC60825-1:2007.
- Although Class 2 laser light is only emitted momentarily, never look directly into the beam light.
- The laser light emitted by this laser scanner has a maximum output of less than 1 mW and a wavelength of 650 nm.
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

⚠ Warning! (IT-9000-GM30E/GM35E/GMC30E)

■ Never look directly into the LED light.

- This product scans using LED light. Never look directly into the LED light or shine the LED light into the eyes.

About the Class 1 LED Label

CLASS 1 LED PRODUCT

- This label identifies the Handheld Printer Terminal as a Class 1 LED product under IEC60825-1 (ed.1.2)

USB Cradle (HA-L60IO), Ethernet Cradle (HA-L62IO)

General Guide

Left   Top   Right

Back (HA-L60IO)   Back (HA-L62IO)
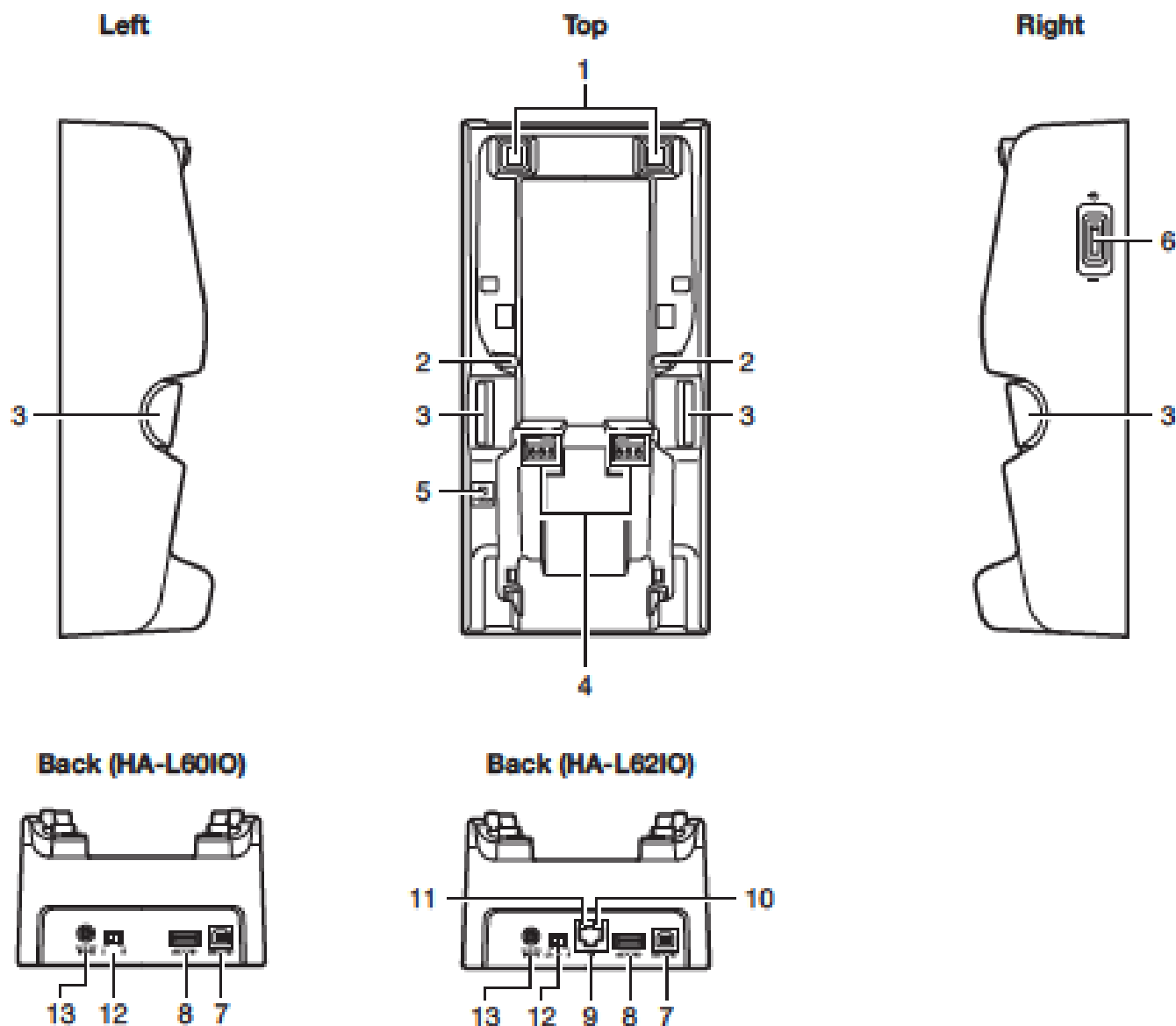
1	Terminal Detect Switch	6	Power Switch	11	LAN Communication Status LED
2	Mount Hooks	7	USB Client Port	12	Selector Switch
3	Removal Buttons	8	USB Host Port	13	AC Adaptor Jack
4	Power Supply/Data Communication Terminals	9	LAN Port		
5	Power Indicator LED	10	LAN Connection Status LED		

Cradle-type Battery Charger (HA-L30CHG), Car Mounted-type Battery Charger (HA-L35CHG)

General Guide

Left

Top

Right

Back (HA-L30CHG)

Back (HA-L35CHG)
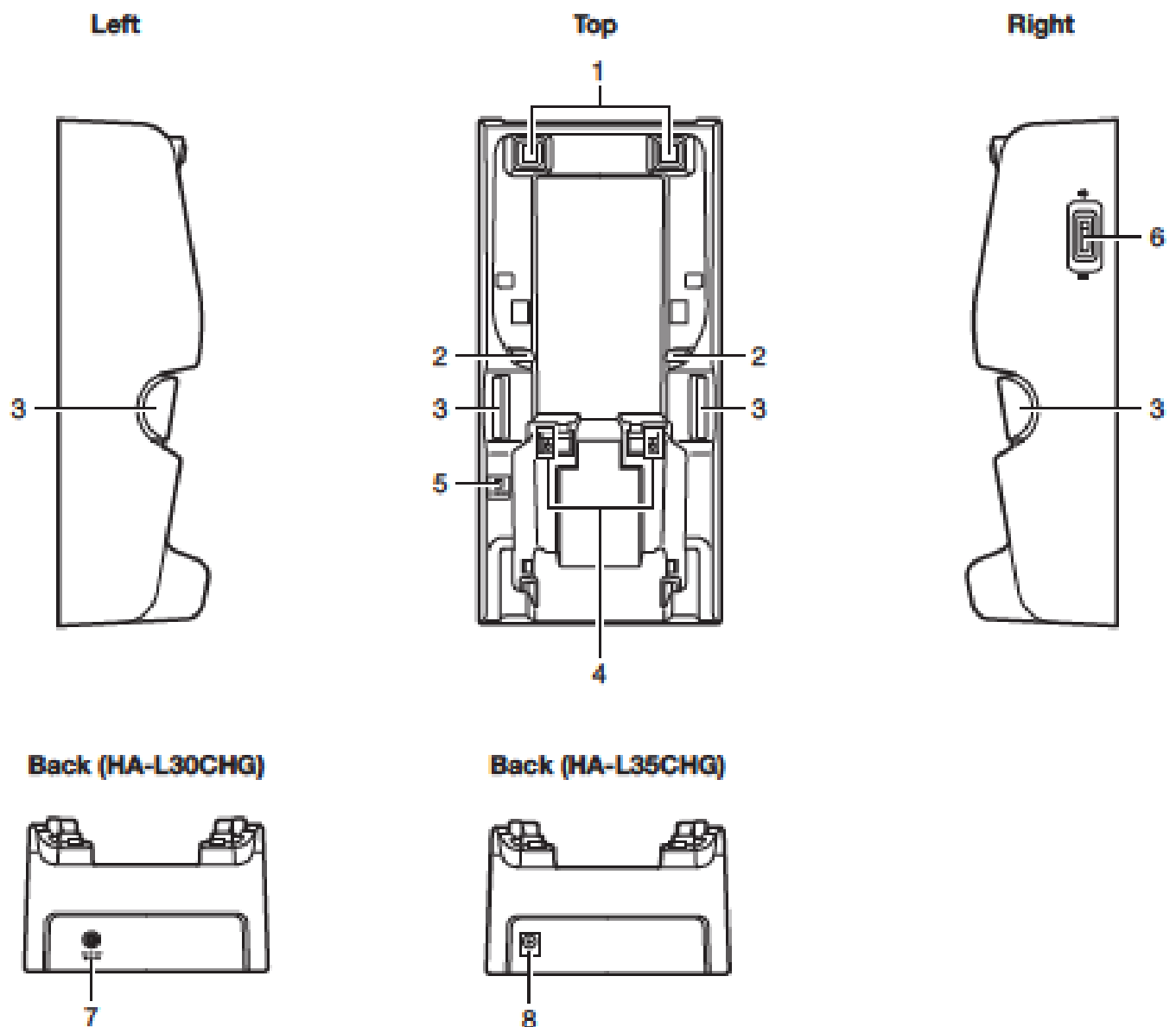
1	Terminal Detect Switch	4	Power Supply Terminals	7	AC Adaptor Jack
2	Mount Hooks	5	Power Indicator LED	8	Car Adaptor Jack
3	Removal Buttons	6	Power Switch		

Dual Battery Charger (HA-G32DCHG)

General Guide

Left

Top

Right

Bottom
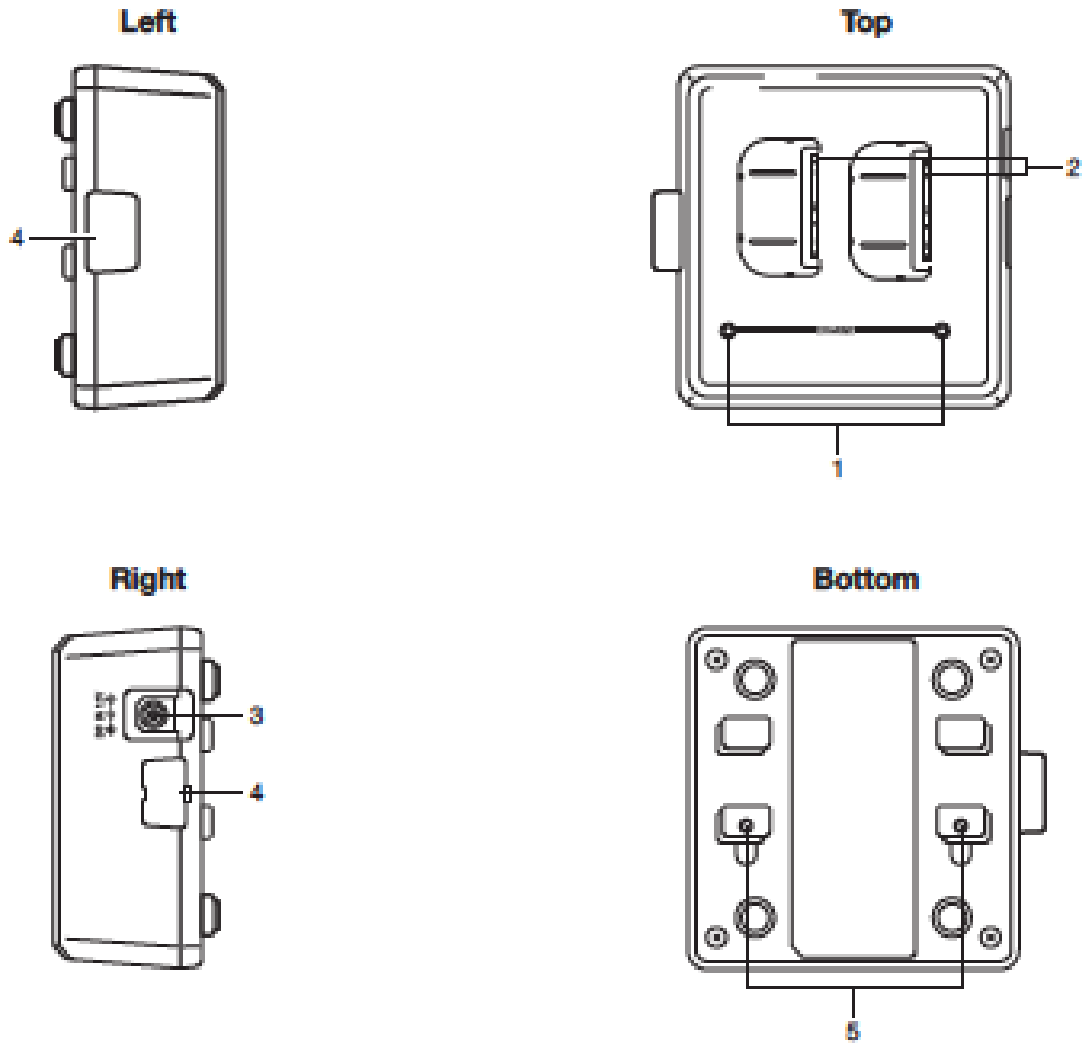
1	Charge Indicator LED
2	Power Supply Terminals
3	AC Adaptor Jack
4	Dual Battery Charger Connection Port
5	Connection Bracket Attachment Holes

Connecting Multiple Dual Battery Chargers

1. As shown in the illustrations below, remove the connector covers of the Dual Battery Chargers you want to connect to each other.
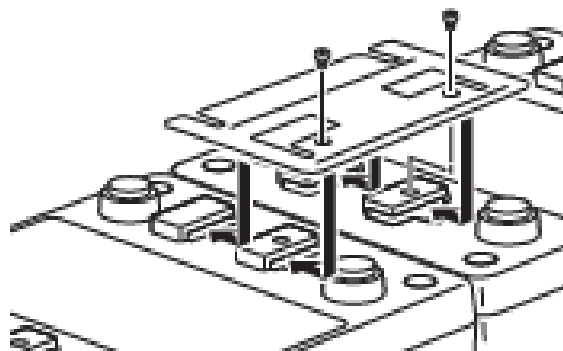
Connector cover
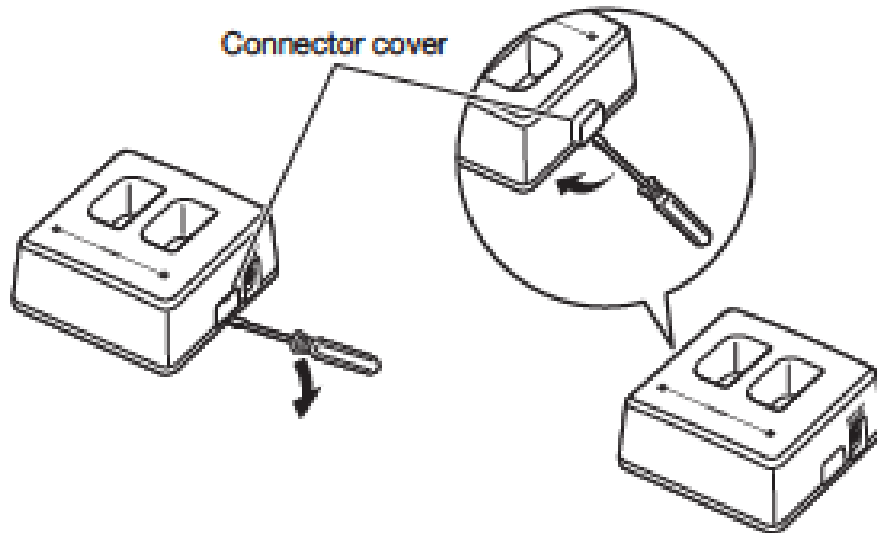
2. Connect the two Dual Battery Chargers as shown below.
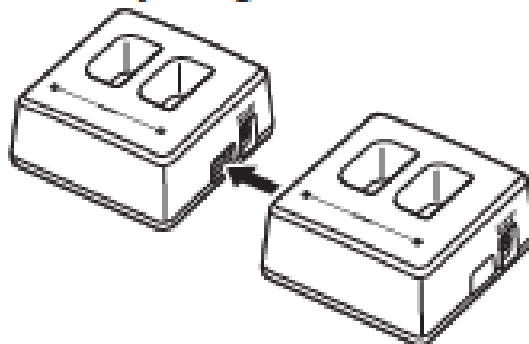
3. Turn over the connected Dual Battery Chargers and attach a connection bracket, securing it in place with screws.

   You can repeat the above steps to connect up to 3 Dual Battery Chargers.

IT-8000E-MC26E

	CPU		Marvell PXA320 624MHz
	Memory		256MB RAM, 256MB Flash ROM
	OS		Microsoft Windows Mobile 6.5 operating system
	Display		3.7-inch, 480x 640 – Blanview LCD
2D Imager	Readable symbologies		UPCA/UPC-E/EAN8/JAN8/EAN13/JAN13)/Codabar(NW-7)/Code39/Interleaved2of5(ITF)/MSI/Code93/Code128/GS1-128(EAN128))/Code11/IATA/GS1 DataBarOmnidirectional(RSS-14)/GS1 DataBarLimited(RSS Limited)/GS1 DataBar Expanded(RSS Expanded)/Code93/GS1 DataBar Truncated/Code32.
			PDF417/Micro PDF/CODE49/Composite/Codablock F/TLC39/GS1 DataBar Stacked Omnidirectional(RSS-14 Stacked)/GS1 DataBar Expanded Stacked(RSS Expanded Stacked)/GS1 DataBar Stacked(RSS-14 Stacked)/GS1 DataBar Truncated
			Aztec/DataMatrix/Maxicode/QR Code/Micro QR/HanXin Code
	Scanning distance		Within approximately 45–410 mm(1D code) Within approximately 65–860 mm(2D Stacked code) Within approximately 65–195 mm(2D Matrix code)
Bluetooth	Protocol		Bluetooth Ver2.0+EDR
	Range		Approximately 3m
Camera			Approx. 2,000,000 pixels Autofocus function
MCR (Magnetic Card Reader)			ISO 7811 Tracks. 1, 2, and 3
Thermal Printer	Type		Drop-in thermal line dot printer
	Effective Printing Width		80mm
	Printing Speed		28 lines/second
SAM (Secure Application Module)			ISO 7816
NFC	Standards		ISO14443 Type A ISO14443 Type B Felica(JIS X 6319) ISO15693
	Range		Contact with the case

IT-9000E-C25E

	CPU	Marvell PXA320 624MHz
	Memory	256MB RAM, 256MB Flash ROM
	OS	Microsoft Windows Mobile 6.5 operating system
	Display	3.7-inch, 480x 640 – Blanview LCD
2D Imager	Readable symbologies	UPCA/UPC-E/EAN8/JAN8/EAN13/JAN13/Codabar(NW-7)/Code39/Interleaved 2of5(ITF)/MSI/Code93/Code128/GS1-128(EAN128)/Code11/IATA/GS1 DataBarOmnidirectional(RSS-14)/GS1 DataBarLimited(RSS Limited)/GS1 DataBar Expanded(RSS Expanded)/Code93/GS1 DataBar Truncated/Code32, PDF417/Micro PDF/CODE49/Composite/Codablock F/TLC39/GS1 DataBar Stacked Omnidirectional(RSS-14 Stacked)/GS1 DataBar Expanded Stacked(RSS Expanded Stacked)/GS1 DataBar Stacked(RSS-14 Stacked)/GS1 DataBar Truncated Aztec/DataMatrix/Maxicode/QR Code/Micro QR/HanXin Code
	Scanning distance	Within approximately 45–410 mm(1D code) Within approximately 65–350 mm(2D Stacked code) Within approximately 55–195 mm(2D Matrix code)
Bluetooth	Protocol	Bluetooth Ver2.0+EDR
	Range	Approximately 3m
Camera		Approx. 2,000,000 pixels Autofocus function
Thermal Printer	Type	Drop-in thermal line dot printer
	Effective Printing Width	80mm
	Printing Speed	58 lines/second
SAM (Secure Application Module)		ISO 7816
NFC	Standards	ISO14443 Type A ISO14443 Type B Felica(JIS X 6319) ISO15693
	Range	Contact with the case

CASIO.

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