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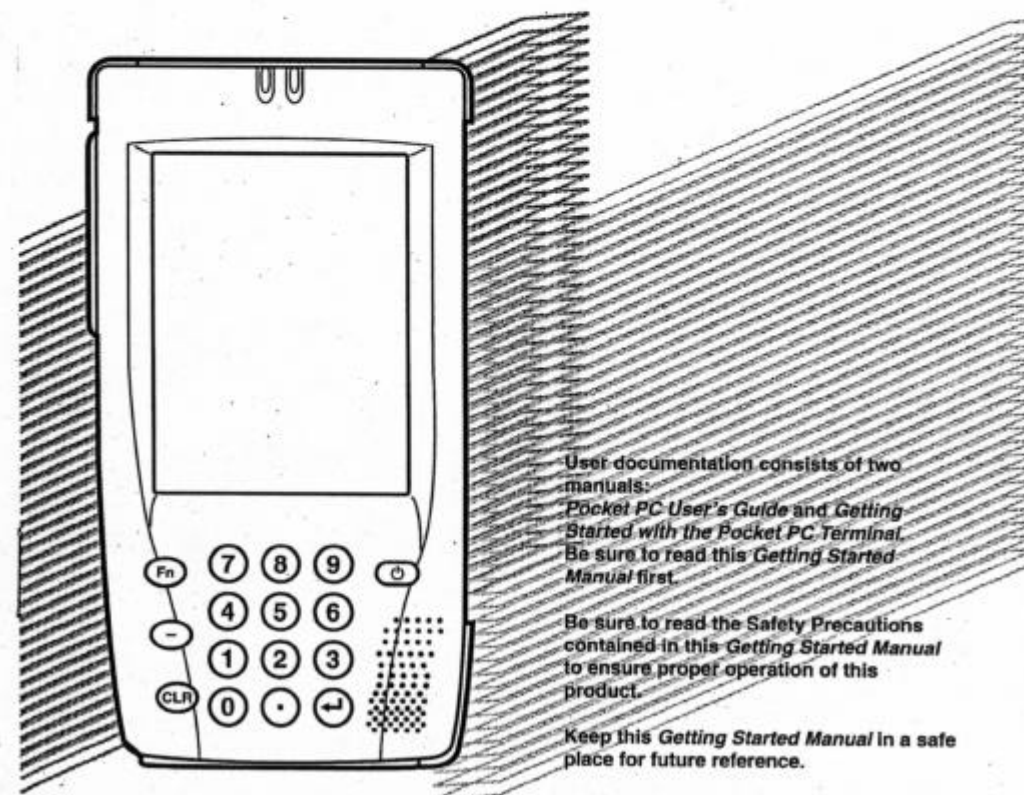
IT-7000/70

Getting Started with the Pocket PC Terminal (Hardware Manual)

CASIO.

CASIO COMPUTER CO., LTD.

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



User documentation consists of two manuals:

Pocket PC User's Guide and Getting Started with the Pocket PC Terminal. Be sure to read this *Getting Started Manual* first.

Be sure to read the *Safety Precautions* contained in this *Getting Started Manual* to ensure proper operation of this product.

Keep this *Getting Started Manual* in a safe place for future reference.

- Microsoft, Windows, and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Pentium is a registered trademark of Intel Corporation.
- CompactFlash is a registered trademark of SanDisk Corporation.
- Datalight is a registered trademark of Datalight, Inc.
- FlashFX™ is a trademark of Datalight, Inc.
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U.S. Patent Office 5,860,082
- All other product and company names mentioned herein may be the trademarks of their respective owners.

- CAUTION-Battery pack is suitable for use only with Pocket PC Terminal, Model IT-700/70.
- Dispose of used batteries according to the manufacturer's instructions.

- Information in this manual is subject to change without notice.
- CASIO shall have neither liability nor responsibility to any person or entity with respect to any loss or damages arising from the information contained in this book.
- This manual does not provide information about programming and downloading. See other manuals coming with IT-700/70 for information about these subjects.

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.

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.

Precautions During Use

 Warning	
Disassembly and Modification	 • Never try to disassemble or modify the Pocket PC Terminal in any way. High voltage inside creates the danger of electric shock. There are hot parts inside the printer. Do not touch these parts with your hands. Doing so can cause burns.
Abnormal Conditions	 • Should the Pocket PC Terminal become hot or start to emit smoke or a strange odor, immediately turn off the power and contact your original dealer or an authorized a CASIO service provider. Continued use creates the danger of fire and electric shock.

 Warning

Foreign Objects

- ❗ • Should any foreign matter get into the Pocket PC Terminal, immediately turn off the power and contact your original dealer or an authorized CASIO service provider. Continued use creates the danger of fire and electric shock.

Dropping and Damage

- ❗ • Should you drop the Pocket PC Terminal and damage it, immediately turn off the power and contact your original dealer or an authorized CASIO service provider. Continued use creates the danger of fire and electric shock.

Moisture

- ⊘ • Keep the Pocket PC Terminal away from vases, planters, cups, glasses and other containers of liquid. Also keep it away from metal. Water and metal getting into the Pocket PC Terminal creates the danger of fire and electric shock.

 Caution

Foreign Objects

- ⊘ • Take care to ensure that metal or combustible objects are not inserted into the openings of the Pocket PC Terminal. Such objects create the danger of fire and electric shock.

Location

- ⊘ • Do not locate the Pocket PC Terminal on a surface that is unstable or uneven. Doing so creates the danger of the Pocket PC Terminal falling, which can cause personal injury.
- Do not locate the Pocket PC Terminal in an area subject to large amounts of humidity or dust. Doing so creates the danger of fire and electric shock.
- Do not leave the Pocket PC Terminal for long periods in a car parked in direct sunlight.

Heavy Objects

- ⊘ • Never place heavy objects on top of the Pocket PC Terminal. Doing so creates the danger of loss of balance and the object falling, which can cause personal injury.

 Caution

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, which can cause the danger of personal injury.
- Should the LCD panel glass break, never touch the liquid inside. Doing so can cause skin inflammation.
 - Should liquid from the LCD panel accidentally get into your mouth, immediately wash your mouth with water and then consult a physician.
 - Should liquid from the LCD panel accidentally get into your eyes or onto your skin, immediately rinse for at least 15 minutes with clean tap water and then consult a physician.

Optional Lithium-ion Battery Pack

 Danger

- ⊘ • Never allow the battery pack to become wet with either fresh water or salt water. Water can create the danger of battery pack heat emission, explosion, and fire.
- Never use or leave the battery pack next to open flame, near a stove, or any other area exposed to high heat. Doing so creates the danger of battery pack heat emission, explosion, and fire.
- Never use the battery pack with any device other than the Pocket PC Terminal. Doing so can create the danger of battery pack heat emission, explosion, and fire.
- Note that the battery pack's positive (+) and negative (–) terminals must be oriented correctly when it is loaded into the charger unit or the Pocket PC Terminal. Connecting the battery pack with its terminals reversed creates the danger of battery pack fluid leakage, heat emission, explosion, and fire.
- Never dispose of the battery pack by incinerating it or otherwise expose it to heat. Doing so creates the danger of battery pack heat emission, explosion, and fire.
- Never allow the positive (+) and negative (–) terminals of the battery pack to become connected (shorted) by metal. Doing so creates the danger of battery pack heat emission, explosion, and fire.
- Never transport or store the battery pack together with a necklace, hair pins or other metal objects. Doing so can short battery pack terminals, creating the danger of battery pack heat emission, explosion, and fire. 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. Doing so creates the danger of battery pack heat emission, explosion, and fire.

Danger

-  • Never pierce the battery pack with nails, hit it with a hammer, or step on it. Doing so can create the danger of battery pack heat emission, explosion, and fire.
- Never try to take apart the battery pack or modify it in any way. Doing so creates the danger of battery pack heat emission, explosion, and fire.
-  • Use only the specified charger unit to charge the battery pack. Use of another type of charger unit creates the danger of battery pack heat emission, explosion, and fire.

Warning

-  • Never place the battery pack in a microwave oven or any other high-voltage device. Doing so creates the danger of battery pack heat emission, explosion, and fire.
- Should the battery pack emit a strange odor or heat, change color or shape, or exhibit any other abnormal behavior, immediately stop using it. Continued use creates the danger of battery pack heat emission, explosion, and fire.
-  • If the battery pack does not achieve full charge after the normal charging time has passed, stop charging. Continued charging creates the danger of battery pack heat emission, explosion, and fire.
- 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, and exposure to flame creates the danger of explosion and fire.
- Should fluid from the battery pack accidentally get into your eyes, do not rub them. Immediately rinse your eyes with clean tap water and then consult a physician immediately.

Caution

-  • Never use or leave the battery pack in an area exposed to direct sunlight, in a car parked in direct sunlight, or any other very hot area. Doing so creates the danger of heat emission and fire, as well as deterioration of battery pack performance and shortening of its service life.
- Do not use the battery pack in areas where static electricity is being generated. Doing so creates the danger of battery pack heat emission, explosion, and fire.

Caution

-  • Should fluid from the battery pack accidentally get onto clothing or your skin, immediately rinse it off with clean tap water. Prolonged contact with battery pack fluid can cause skin irritation.
- Keep the battery pack out of the reach of small children. Do not let small children remove the battery pack from the charger unit or the Pocket PC Terminal while it is powered on.

Backup Battery Handling

Warning

-  • Do not charge the battery. Doing so can create the danger of battery leakage, heat emission, rupture, and fire.
- Do not throw batteries into fire, or heat, take apart or modify them. Doing so can create the danger of battery leakage, heat emission, rupture, and fire.
- Do not use the battery with its positive(+) and negative(-) terminals reversed, or store the battery with a necklace, hair pins or other metal object. Doing so can short the battery and cause excessive current to flow, and can create the danger of battery leakage, heat emission, rupture, and fire.
-  • Keep batteries out of the reach of small children. Should small children swallow a battery, consult a physician immediately.
- If fluid from the battery accidentally get into your eyes, do not rub them. Immediately rinse your eyes with clean tap water and then consult a physician immediately.
- If you lick fluid from the battery, immediately rinse with clean tap water, and consult a physician immediately.
- If the battery starts to leak or emits a strange odor, immediately move it away from any nearby flame. Leaking battery fluid is combustible.
- When storing and disposing of backup batteries, insulate the terminals with insulating tape. Mixing batteries together or with other metallic objects shorts the battery terminal, and can create the danger of battery leakage, heat emission, rupture, and fire.

Caution

-  • Never throw the battery, subject it to strong impact. Do not allow the battery to get wet with water. Doing so can create the danger of battery leakage, heat emission, rupture, and fire.
- Do not leave the battery in locations subject to strong direct sunlight or in high temperature locations such as in a car. Doing so can create the danger of battery leakage, heat emission, rupture, and fire.
-  • Avoid storing the battery on the direct sunlight or in high temperature and humidity locations. Doing so can create the danger of battery leakage, heat emission, rupture, and fire, as well as deterioration of battery performance and shortening of its service life.
- Used batteries may be disposed off as general unburnable rubbish. However, dispose of used batteries in accordance with any local bylaws and regulations.

AC Power Supply

Warning

-  • Do not use the Pocket PC Terminal at a voltage other than the specified voltage. Also, do not connect the Pocket PC Terminal to a multi-plug power strip. Doing so creates the danger of fire and electric shock.
- Avoid conditions that can cause damage or breaks in the power cord. Do not place heavy objects on the power cord and keep it away from sources of heat. Any of these conditions can damage the power cord, creating the danger of fire and electric shock.
- Never modify, sharply bend, twist, or pull on the power cord. Doing so creates the danger of fire and electric shock.
-  • When using the Optical Communication Unit, be sure to use the AC adaptor (sold separately). Use of another AC adaptor model creates the danger of fire and electric shock.
- Should the power cord become severely damaged (to the point that wires are exposed or broken), contact your original dealer or a CASIO service provider about repair or replacement. Use of a damaged electrical cord creates the danger of fire and electric shock.

Caution

-  • Keep the power cord away from stoves and other sources of extreme heat. Heat can melt the covering of the power cord and create the danger of fire and electric shock.

Caution

-  • Never pull on the power cord when unplugging it. Doing so can damage the cord and create the danger of fire and electric shock. (Always hold onto the plug when unplugging it from the wall outlet.)
- Never touch the plug while your hands are wet. Doing so can create the danger of electric shock.
-  • Be sure to unplug the power cord from the wall outlet before moving the Pocket PC Terminal. Failure to do so can result in damage to the power cord caused by pulling it, which creates the danger of fire and electric shock.
- Be sure to unplug the power cord from the wall outlet before cleaning the Pocket PC Terminal.
- Be sure to turn the power OFF and unplug the power cord after use.
- Unplug the power cord from the wall outlet whenever leaving the Pocket PC Terminal unattended for long periods.

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 Pocket PC Terminal, malfunction or repair of the Pocket PC Terminal or its peripherals, or due to batteries going dead.
- The Pocket PC Terminal employs electronic memory to store data, which means that memory contents can be corrupted or deleted if power is interrupted due to 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. One way to do this is to use the separately sold Optical Communication Unit to transfer data to a computer.

Optional Laser Scanner Card

Warning

-  • Never look directly into the laser beam. Doing so can cause serious eye damage.

Operating Precautions

The Pocket PC Terminal is a precision digital instrument. Incorrect operation and rough handling can cause data storage problems and other malfunction. Be sure to read the following precautions to ensure proper operation.

- Charge the battery pack as soon as possible when they start to become weak. Continued use while power is low can lead to loss of memory data.
- Do not leave dead batteries in the Pocket PC Terminal for long periods. Doing so can result in battery leakage, which can damage the Pocket PC Terminal and cause malfunction.
- Use the Pocket PC Terminal under the conditions listed below.
 - Temperature: -5°C to 50°C (23°F to 122°F)
 - No condensationConditions other than those above can cause malfunction.
- Avoid using the Pocket PC Terminal in areas subjected to the following conditions.
 - Static electricity
 - Extreme heat or cold
 - High humidity
 - Sudden temperature changes
 - Large amounts of dust
- Use only the stylus that comes with the Pocket PC Terminal to press the Reset button.
- Never use a pen, pencil, or other sharp writing implement. Doing so can scratch the touch screen and cause malfunction.
- Never use thinner, benzene, cosmetics, or other volatile agents to clean the exterior of the Pocket PC Terminal. Use only a dry soft cloth or a soft cloth moistened with a weak solution of water and mild neutral detergent.
- Setting the display brightness too high or use of an optionally available CompactFlash card results in battery life shorter than that indicated in the specifications of this manual.



CASIO ELECTRONICS CO., LTD.
Unit 6, 1000 North Circular Road
London NW2 7JD, U.K.

Please keep all information for future reference.

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.

Peripherals and Connectors

Desktop computer
Optical Communication Unit (IT-760IOE)
Lithium ion Battery Pack (DT-5023BAT, DT-5024LBAT)
AC adaptor for Optical Communication Unit (DT-825ADP-U)
CompactFlash Card (CF-16SC-S, CF-64SC-S, CF-256SC-S)
Connectors (DT-883RSC, DT-882RSC, DT-887AX, DT-881RSC, JK-580CA)

Declaration of Conformity

Model Number: IT-700M30E, IT-760IOE, IT-70M30E
Trade Name: CASIO
Responsible party: CASIO, INC.
Address: 570 Mt. Pleasant Avenue, Dover, New Jersey 07801
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.

The following details are declared in the 15-country EU Union and 4-country EFTA Union.

Product description / Intended use	
EU/EFTA member states intended for use	EU: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom EFTA: Switzerland, Iceland, Lichtenstein, Norway
Member states with restrictive use	NONE
Manufacturer	CASIO COMPUTER CO., LTD.
Brand	CASIO
Type	IT-700M30RC, IT-70M30RC

is tested to and conforms with the essential requirements for protection of health and the safety of the user and any other person and Electromagnetic Compatibility, as included in following standards:

Standard
EN60950
ETS300 826

and is tested to and conforms with the essential radio test suites so that it effectively uses the frequency spectrum allocated to terrestrial/space radio communication and orbital resources so to as to avoid harmful interference, as included in following standards:

Standard
ETS300 328

and therefore complies with the essential requirements and provisions of the **Directive 1999/5/EC** of the European Parliament and of the council of March 9, 1999 on Radio equipment and Telecommunications Terminal Equipment and the mutual recognition of their conformity and with the provisions of Annex IV (Conformity Assessment procedure referred to in article 10).

The following Notified Bodies have been consulted in the Conformity Assessment procedure:

Notified Body number	Name and address
0122	NMi Certin B.V., PO Box 15, 9822 ZG Niekerk, The Netherlands

The technical documentation as required by the Conformity Assessment procedure is kept at the following address:

Company	CASIO ELECTRONICS CO. LTD.
Address, City	Unit6, 1000North Circular Road, London NW27JD
Country	United Kingdom
Phone number	0181-450-9131
Fax number	0181-452-6323

CE 0122 

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

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

AC adaptor with ferrite core must be used for RF interference suppression.

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Computer System Requirements

Following are the minimum computer system requirements for installing and using the applications contained on the bundled Microsoft® CD-ROM.

System Requirements

The minimum desktop PC system requirements for installing and running Microsoft ActiveSync 3.1 are as follows:

- Microsoft Windows 2000, Microsoft Windows NT Workstation 4.0 with Service Pack 3 or greater, or Microsoft Windows 95/98.
- Pentium processor for Windows NT or Windows 2000 (166MHz required for Windows 2000)
-or-
486/66 DX or higher processor (Pentium P90 recommended) for Windows 95/98.
- 16MB of memory for Windows 95/98 (more memory will improve performance) or Windows NT (32MB recommended) or Windows 2000 (64MB recommended).
- Hard disk drive with 10 to 50MB of available hard disk space (actual requirements will vary based on selection of features and your current system configuration).
- Available 9 pin communications port, infrared port.
- CD-ROM drive
- VGA graphics card or compatible video graphics adaptor at 256 colors or higher.
- Keyboard
- Microsoft Mouse or compatible pointing device.

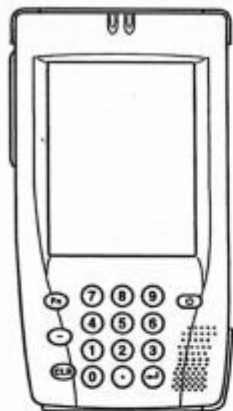
Optional components:

- Audio card/speakers for sound.
- Modem and/or Ethernet LAN connection for remote synchronization.
- Microsoft Internet Explorer 4.0 or higher for Mobile Channels or Mobile Favorites support.
- Additional 153MB of disk space for Microsoft Outlook 2000. 24MB system RAM recommended. (Microsoft Outlook 2000 is included on the Discovering Microsoft® Outlook® 2000 CD-ROM.)

Important

- Notebook computers equipped with an infrared port and modem may not be configured so the COM port is the default serial interface. In this case, you need to change the COM port configuration so the COM port is used as the default serial interface.
- Even if you are using a desktop PC, check its COM port numbers before installing Windows® CE Services. For details about how to do this, see the documentation that comes with your computer.

System Diagram



Pocket PC Terminal

IT-700M30E
IT-700M30RC
IT-70M30E
IT-70M30RC

Option List (Non-U.S. Market Models)

Optical Communication Unit

IT-760IOE



Optical Communication Unit AC Adaptor

DT-825ADP-G
DT-825ADP-U

Laser Scanner

DT-5057CBCR



CompactFlash Card

CF-16SC-S (Flash ROM 16MB)
CF-64SC-S (Flash ROM 64MB)
CF-256SC-S (Flash ROM 256MB)

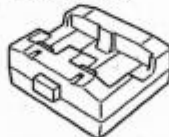
Battery Pack

DT-5023BAT (Standard Battery Pack) DT-5024LBAT (Large-capacity Battery Pack)



Dual Charger

DT-5022CHG



Dual Charger AC Adaptor

MPC-577ADP



Pocket PC Terminal Charger

IT-769CHGE



Cables

JK-580CA PC Connection Cable



DT-882RSC Satellite Optical Communication Unit-PC Cable
DT-883RSC Satellite Optical Communication Unit-PC Cable
DT-887AX Satellite Optical Communication Unit-PC Cable
DT-881RSC Satellite Optical Communication Unit-Modem Cable
DT-888RSC Satellite Optical Communication Unit Daisy Chain Cable

IT-700/70 Series Options (U.S. Market Models)

Optical Communication Unit

IT-760IOE



Battery Pack

DT-5023BAT (Standard Battery Pack)



DT-5024LBAT (Large-capacity Battery Pack)

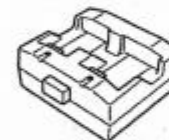


Optical Communication Unit AC Adaptor

DT-825ADP-U

Dual Charger

DT-5022CHG



Dual Charger AC Adaptor

MPC-577ADP



Pocket PC Terminal Charger

IT-769CHGE



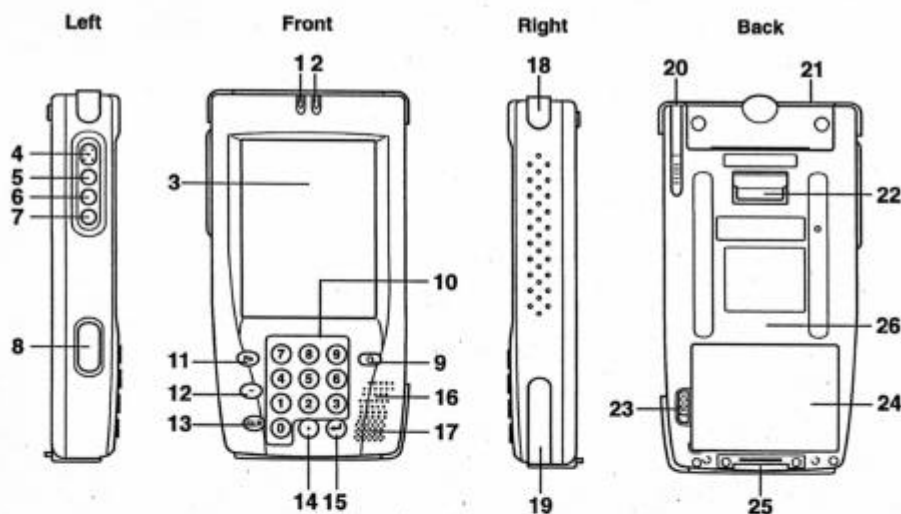
CompactFlash Card

CF-16SC-S (Flash ROM 16MB)
CF-64SC-S (Flash ROM 64MB)
CF-256SC-S (Flash ROM 256MB)

Cables

DT-882RSC Satellite Optical Communication Unit-PC Cable
DT-883RSC Satellite Optical Communication Unit-PC Cable
DT-887AX Satellite Optical Communication Unit-PC Cable
DT-881RSC Satellite Optical Communication Unit-Modem Cable
DT-888RSC Satellite Optical Communication Unit Daisy Chain Cable

General Guide



1	Indicator 1	Flashes in accordance with application software configuration.
2	Indicator 2	Flashes or lights to indicate arrival of the alarm time, data warning, etc.
3	LCD/Touch Screen	Shows characters, operation indicators, etc. Pocket PC Terminal operations and data input are performed by tapping the Touch Panel with the provided stylus.
4	Program Key	Turns on power and launches the application program assigned to the key (initially "Record"). Important ⚠ Carrying the Pocket PC Terminal in briefcase or bag creates the risk of power being turned on accidentally by this key bumping against other objects. To protect against this, you can change the program setup so power is not turned on when this key is pressed. See the <i>Pocket PC User's Guide</i> for more information.
5	Action Key	Executes operations, applies settings, and performs other operations similar to those of the ENTER key on a computer keyboard.
6	Up Key	Moves highlighting up, scrolls screen contents upwards, and performs other operations similar to those of the up arrow key on a computer keyboard.

7	Down Key	Moves highlighting down, scrolls screen contents downward, and performs other operations similar to those of the down arrow key on a computer keyboard.
8	IR Port	Used as then port for data communication between two Pocket PC Terminals, between the Pocket PC Terminal and Optical Communication Unit, etc.
9	Power Key	Turns power on and off*. * Keep depressed for about one second.
10	Numeric Keypad	Press to input numbers.
11	Fn Key	Used in combination with the 0 to 9 numeric keypad keys to specify functions assigned by a program.
12	Minus Key	Press to input a minus sign.
13	CLR Key	Cancels key input.
14	Decimal Point Key	Press to input a decimal point.
15	Execute Key	Press to register an input value or to execute the next step of a program.
16	Microphone	Used for input when using the voice recorder.
17	Speaker	Outputs alarms and other sounds.
18	Headphones Jack	For connection of commercially available earphone or headphones (ø 3.5mm)
19	Serial Interface	For connection of a serial cable when connecting to a digital mobile phone, etc.
20	Stylus	Used for Touch Panel input.
21	CompactFlash Card Slot 0	For insertion of an optional CompactFlash Card
22	Hand Strap Hook	For attachment of the hand strap
23	Battery Pack Cover Release	Slide to proper position when opening or securing the battery pack cover.
24	Battery Pack Cover	Covers the battery pack compartment.
25	Backup Battery Holder	Houses the memory backup lithium battery. You do not need to remove the hand strap to remove or insert the backup battery holder.
26	CompactFlash Card Slot 1	For insertion of an optional CompactFlash Card (IT-700M30E, IT-70M30E)

Setting Up the Pocket PC Terminal

Aligning the Touch Screen

You should align the Touch Screen whenever you feel its response is not what it should be, or when the wrong function is performed when you tap the Touch Screen.

1. Press the Fn key and then press "4" to display the Touch Screen alignment screen.
 - Alternatively, you could tap: [Start] – [Setting] – [System] – [Align Screen].
2. Follow the instructions on the display to align the screen.

Adjusting Screen Contrast

You can use either of the following procedures to adjust display contrast when the color of the images on the screen appear too light or too dark.

To adjust display contrast using the utilities screen

1. Tap the on-screen [Start].
2. Tap [Settings], [System] tab, [Brightness].
3. Tap the [Contrast] tab.
4. Follow the instructions that appear on the display to adjust contrast.

To adjust display contrast using the Fn and ten-keys

After pressing the Fn key, press "8" to decrease contrast or "9" to increase it.

Adjusting Screen Brightness (IT-700M30E/M30RC)

You can use either of the following procedures to adjust screen brightness for easier viewing under various lighting conditions.

To adjust display brightness using the utilities screen

1. Tap the on-screen [Start].
2. Tap [Settings], [System] tab, [Brightness].
3. Tap the [Brightness] tab.
4. Follow the instructions that appear on the display to adjust contrast.

To adjust display brightness using the Fn and ten-keys

After pressing the Fn key, press "5" to make the screen darker or "6" to make it lighter.

Configuring the Auto Dimmer (IT-700M30E/M30RC)

The auto dimmer helps to conserve battery power by dimming the screen whenever you do not perform any Pocket PC Terminal operation for a preset amount of time. Use the following procedure to configure auto dimmer settings.

1. Tap the on-screen [Start].
2. Tap [Settings], [System] tab, [Brightness].
3. Tap the [Auto Dim] tab.
4. Follow the instructions that appear on the display to configure auto dimmer.

Enabling and Disabling the Backlight (IT-700M30E/M30RC)

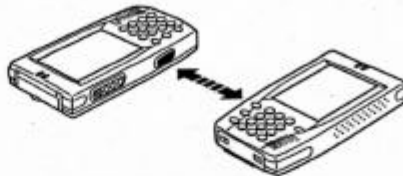
When the backlight is enabled, the screen of the Pocket PC Terminal illuminates for easy viewing when you perform an operation where lighting is dim.

- Press [Fn] and then [7] to toggle the backlight between enabled and disabled.

Using IR Data Communication

Infrared (IR) data communication can be used to pass data between two Pocket PC Terminals, etc.

When performing IR data communication, make sure the IR port of the Pocket PC Terminal and the other unit are directly in line with each other. The IR data communication range is 0 (direct contact) to 1 meter (25cm for 4Mbps).



Important

- Pocket PC Terminal IR data communication uses a high-sensitivity communication component.
- To help ensure proper data communication, avoid using cell phones and other devices that emit radio waves in the vicinity of the Pocket PC Terminal while data communication is taking place. The cell phone or other device should be at least 30cm from the Pocket PC Terminal.
- When performing FIR (4Mbps) data communication between units, the units should be 0 to 10 cm or 15 to 25 cm from each other.

Power Requirements

The Pocket PC Terminal has a dual power supply, with a main battery to provide power for normal Pocket PC Terminal operations, and a memory backup battery to provide the power to retain memory contents.

The main battery is a rechargeable battery pack, which is available in one of two different types; a Standard Rechargeable Battery Pack (DT-5023BAT) or a Large-capacity Rechargeable Battery Pack (DT-5024LBAT).

The backup battery is a CR2032 lithium battery.

Battery Terms Used in this Manual

- main battery: main battery that provides power for normal Pocket PC Terminal operations
- backup battery: CR2032 lithium battery
- standard battery pack: Standard Rechargeable Battery Pack (DT-5023BAT)
- large-capacity battery pack: Large-capacity Rechargeable Battery Pack (DT-5024LBAT)

Replace the main battery with a fully charged battery pack at the first sign of lower power. A battery pack can be charged using the Dual Charger, the Pocket PC Terminal Charger, or the Optical Communication Unit.

For details the charging procedure, see the documentation that comes with each type of charger.

Also be sure to replace the backup battery with a new one at the first sign of lower battery power.

Replacing the Main Battery

Important

- **Be sure to keep separate backup copies of all important data!**

Removing both the main battery and the backup battery at the same time can cause data in memory to become corrupted or lost entirely. Data cannot be recovered once it is corrupted or lost. Make sure you keep separate backup copies of all important data to protect against its loss.

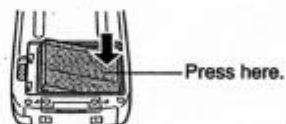
- The battery pack loses power during testing and during shipment. Make sure you fully charge the battery pack before using the Pocket PC Terminal for the first time.
- A battery pack gradually loses its ability to recharge over time. If you notice that a battery pack provides little service after a full charge, it is probably time to replace it.

To replace the Standard Battery Pack

1. Make sure that Pocket PC Terminal power is turned off.
If power is on, press the Power key to turn it off.
2. Turn the Pocket PC Terminal over.
3. Slide the battery pack cover release to the [FREE] position, and then remove the cover.



4. Remove the battery pack as shown in the illustration.



5. Taking care that the new battery pack is oriented correctly, load it into the Pocket PC Terminal.

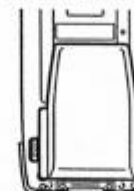


6. Replace the battery pack cover and then slide the battery pack cover release to the [LOCK] position.



To replace a Large-capacity Battery Pack

You must use the special large-capacity battery pack cover whenever you are using a large-capacity battery pack to power the Pocket PC Terminal.
For information about removing and installing the large-capacity battery pack cover, see steps 4 and 6 under "To replace the Standard Battery Pack" above.



Replacing the Backup Battery

The backup battery provides the power required to retain Pocket PC Terminal memory contents while the main battery is being replaced, and when the main battery goes dead. Be sure to use only a CR2032 lithium battery as the backup battery.

1. Make sure that Pocket PC Terminal power is turned off.
If power is on, press the Power key to turn it off.
2. Turn the Pocket PC Terminal over.
3. Loosen the screw securing the backup battery holder and remove the holder from the Pocket PC Terminal.



4. Remove the backup battery from the holder. Wipe the surfaces of a new CR2032 lithium battery with a soft, dry cloth and load it into battery holder with the (+) side facing downwards (so you can't see it).



5. Reinstall the backup battery holder and secure it in place with the screw.



Warning ⚠

Make sure that the plus (+) and minus sides of the backup battery are facing correctly when you place it onto the backup battery holder.

Caution ⚠

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacture's instructions.

Resetting the Pocket PC Terminal

The reset operation performs a process that is similar to that performed when you restart your computer. Any unsaved inputs or edits remaining when you reset the Pocket PC Terminal are lost, but settings and data stored in memory are retained. Perform the reset operation whenever you find that the Pocket PC Terminal does not operate normally due to misoperation or some other abnormality.

To perform a reset operation, use the stylus to press the Reset button on the back of the Pocket PC Terminal.

**When no memory abnormality is discovered**

Resetting the Pocket PC Terminal causes the following screens to appear in sequence.

- ① Start screen
- ② Today Screen

When a memory abnormality is discovered

Resetting the Pocket PC Terminal causes the following message to appear, without displaying the start screen.



A problem with memory contents has been found. Press [Action] 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 currently in memory. See the User's Guide for details about initializing memory.

If this message appears, press Action, which starts the reset procedure. Note, however, that you may not be able to perform a reset if memory contents are corrupted. In such a case, you will have to perform a full reset, which is described on the next page.

Full Reset (Memory Initialization)

Performing a full reset clears all data stored in Pocket PC Terminal memory (RAM) and returns all settings to their initial factory defaults. You should perform a full reset in the following cases.

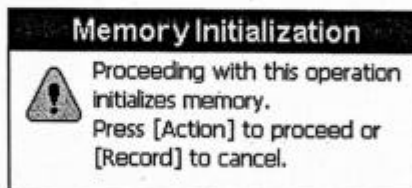
- When you want to delete all memory (RAM) contents initialize the Pocket PC Terminal
- If you forget your password and can no longer access the Pocket PC Terminal
- When the Pocket PC Terminal does not operate normally due to a memory abnormality
- When the message "A problem with memory contents has been found..." appears

Performing a Full Reset

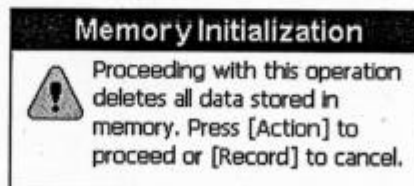
Important

Performing a full reset clears all data stored in Pocket PC Terminal memory (RAM). If possible, backup Pocket PC Terminal data to your computer or a CompactFlash card before you perform the full reset.

1. With the Pocket PC Terminal turned on, hold down the Power key and then press as you hold down the Reset button with the stylus for about one second, until the message shown below appears.



2. Press the Action key and message shown below appears.



3. Press the Action key again.

- This performs the full reset the deletes all memory in Pocket PC Terminal memory (RAM).
- Pressing the Action key again displays the start screen.

Now perform the required Pocket PC Terminal configuration settings described in the *Read This First*.

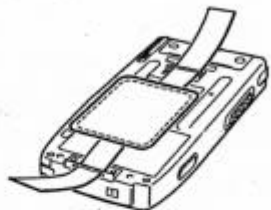
Installing the Hand Strap

The hand strap protects against dropping the Pocket PC Terminal when carrying it around.

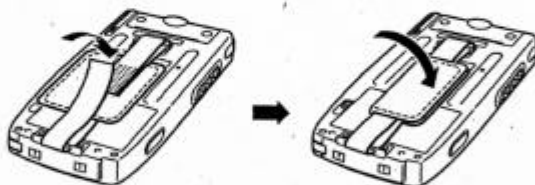
Important

Use the following procedure to install the hand strap on the Pocket PC Terminal.

1. Pass both ends of the hand strap through the hand strap loops on the back of the Pocket PC Terminal.



2. Fold the two ends of the hand strap back towards each other, and attach the fasteners as you adjust the length of the strap to fit your hand.



IT-700/70 Specifications

Model:	IT-700M30E, IT-700M30RC, IT-70M30E, IT-70M30RC
CPU:	VR4122
Memory:	RAM 32MB Flash ROM 16MB (FlashFX built in)
OS:	Microsoft® Windows® CE Version 3.0
Display:	IT-700: 240 × 320 dots IT-700: TFT Color LCD (65,536 colors) IT-70: 240 × 320 dots IT-70: FSTN LCD, monochrome with 4 grayscales
Serial Port:	Interface: CMOS level Synchronization: Asynchronous only Speed: 300 to 115,200bps
IR Port:	Interface: IrDA Ver.1.1 Standard Synchronization: Asynchronous, Frame Speed: 4Mbps maximum Card Slot: CompactFlash Card Type I/Type II (3.3V) × 2 (1 slot for IT-700M30RC/IT-70M30RC)
Wireless Communication (IT-700M30RC/IT-70M30RC)	Type: Wireless LAN Modulation: DS Radio Frequency: 2400 to 2483.5MHz Data Rate: 11Mbps maximum Range: Indoors: 25m; Outdoors: 90m (Actual range depends on local surroundings.) Channels: 11 (US, Canada); 13 (ETSI)
Simultaneous Channels:	3
Technical Standard:	IEEE 802.11b
Other Functions:	Multiple access point roaming
Headphones Jack:	ø 3.5mm Accepts monaural type earphone; stereo type earphones/headphones
Power Requirements:	Main Battery: Standard Rechargeable Battery Pack DT-5023BAT Large-capacity Rechargeable Battery Pack DT-5024LBAT Backup Battery: CR2032 lithium battery × 1
Power Consumption:	DC 1.5A/3.7 to 5V

Approximate Battery Life:

Main Battery: DT-5023BAT 5 hours (IT-700M30E)*; 3.5 hours (IT-700M30RC)**; 10 hours (IT-70M30E)*, 5 hours (IT-70M30RC)**
DT-5024LBAT 10 hours (IT-700M30E)*; 7 hours (IT-700M30RC)**;
20 hours (IT-70M30E)*; 10 hours (IT-70M30RC)**

Backup Battery: Four days when no power is supplied by main battery (When using the battery that comes with the unit.)

Splash Resistance: IPX2 (when connector covers and all other covers are closed)

Operating Temperature: -5 to 50°C (23 to 122°F)

Dimensions: 85(W) × 165(D) × 27.7(H) mm

Weight: Approximately 330g (IT-700M30E), 320g (IT-70M30E)

Approximately 340g (IT-700M30RC), 330g (IT-70M30RC)

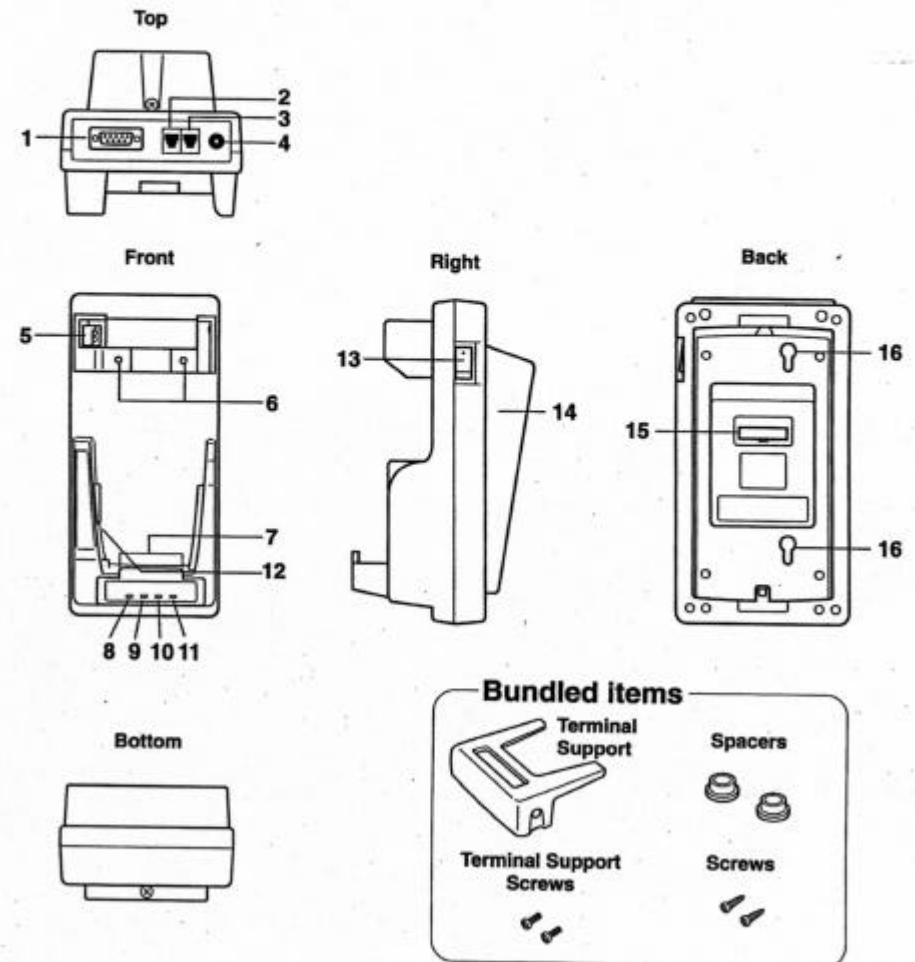
* Repeated sequence with a ratio of 7 parts display and 3 parts calculation; new, fully charged batteries; normal temperature.

** Repeated sequence with a ratio of 7 parts display and 3 parts calculation and wireless data communication; new, fully-charged batteries; normal temperature.

Using the Optical Communication Unit (IT-760IOE)

The Optical Communication Unit (IT-760IOE) provides a serial interface (RS-232C) connection between a Pocket PC Terminal and computer for downloading and uploading system data, files, etc. It can also be used to charge the battery pack loaded in the Pocket PC Terminal. The Optical Communication Unit comes with a wall mount unit.

General Guide



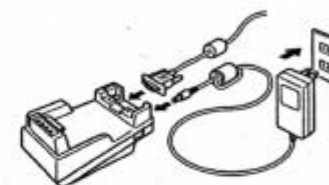
1	RS-232C Interface	For uploading and downloading system data and files with a computer
2	RS-422 Interface (C-IN)	For communication between Optical Communication Units
3	RS-422 Interface (C-OUT)	
4	AC Adaptor Jack	For connection of the AC adaptor
5	Hook	Secures the Pocket PC Terminal in place when on a wall-mounted Optical Communication Unit.
6	Connection Detector	Detects whether the Pocket PC Terminal is correctly mounted onto the Optical Communication Unit.
7	Power Contacts	Supply power to the Pocket PC Terminal.
8	System Operation Indicator	Indicates the current operational status of the system. This indicator should light green a short while after you mount the Pocket PC Terminal onto the Optical Communication Unit. This system is not operating correctly if the system operation indicator does not light. Off: System problem, or no communication with any of the Pocket PC Terminals mounted on the Optical Communication Units Lit Green: System operating normally, communication being performed with at least one of the Pocket PC Terminals mounted on the Optical Communication Units
9	Communication Status Indicator	Indicates the current communication status. Off: No communication Flashing Green: Communication in progress Lit Red: Problem with connection between Optical Communication Units
10	Charge Indicator	Indicates the current status of the charger operation for the lithium ion battery pack load in the Pocket PC Terminal. Off: No charging Lit Red: Charging Flashing Red: Battery pack abnormality Lit Green: Charging finished
11	Power Indicator	Indicates the power status of the Optical Communication Unit, and whether a Pocket PC Terminal is mounted. Off: Power off Lit Red: Power on, Pocket PC Terminal not mounted Lit Green: Power on, Pocket PC Terminal mounted
12	IR Interface	For non-contact infrared data communication with a Pocket PC Terminal
13	Power Switch	Turns power on and off.
14	Base	Rotate the base 180 degrees (so its high end is facing downwards) when configuring the Optical Communication Unit for wall mounting.
15	DIP Switches	Use these switches to change the basic configuration of the Optical Communication Unit.
16	Wall Hook Holes	Wall hooks (spacers + screws) enter these holes for wall mounting.

Optical Communication Unit Power Requirements

Use the AC adaptor that comes with the Optical Communication Unit to power it. Be sure to connect the AC adaptor to the Optical Communication Unit before starting a data communication operation with a Pocket PC Terminal. Power is supplied to the Pocket PC Terminal from the Optical Communication Unit.

Using the Optical Communication Unit

1. Plug the AC adaptor into a wall outlet.
2. After confirming that the Optical Communication Unit is turned off, plug the AC adaptor cord into the AC adaptor jack on the top of the unit.



3. After confirming that both the Optical Communication Unit and your computer are turned off, use an RS-232C cable (DT-881RSC, DT-882RSC, DT-883RSC, DT-887AX) to connect the RS-232C interface on the top of the Optical Communication Unit (remove the interface cap) to your computer.

- Leave the interface cap in place if you do not plan to use the RS-232C interface.
- 4. Turn on the Optical Communication Unit and your computer.
- The power indicator on the Optical Communication Unit should light red at this time.

5. Mount a Pocket PC Terminal onto the Optical Communication Unit, making sure the IR port on the side of the terminal is in contact with the IR port of the Optical Communication Unit. This should cause the power indicator on the Optical Communication Unit to turn green and the charge indicator to light red, indicating that charging has started.



Charge Indicator

- Off: No charging
- Lit Red: Charging
- Flashing Red: Battery pack abnormality
- Lit Green: Charging finished
- The system operation indicator flashes green if system operation is normal and data communication is being performed (when two or more Optical Communication Units are connected.)

⚠ Caution

- Make sure you charge the battery pack in a location where the temperature is within the allowable range for charging.



- The allowable range for charging the battery pack is shown below. Charging in a location where the temperature is outside this range can lower battery pack performance and service life, and can also lead to leaking and overheating of the battery pack.

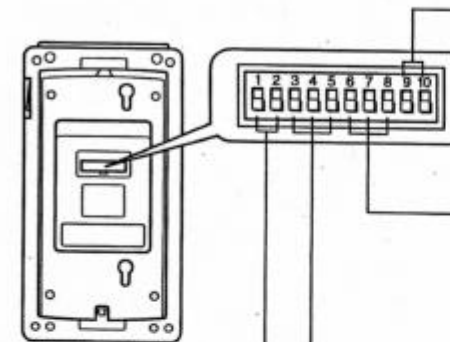
Allowable Temperature for Charging: 0°C to 40°C

Important ⚠

- Pocket PC Terminal IR data communication uses a high-sensitivity communication component.
- To help ensure proper data communication, avoid using cell phones and other devices that emit radio waves in the vicinity of the Pocket PC Terminal while data communication is taking place. The cell phone or other device should be at least 30cm from the Pocket PC Terminal.
- If the charge indicator does not light during charging, remove the Pocket PC Terminal from and then remount it onto the Optical Communication Unit. If the charge indicator does not light, remove the battery pack from the Pocket PC Terminal, reload the same battery pack, and try charging again. If the charge indicator still does not light, it indicates that the battery pack is defective. Replace the battery pack with a new one.
- Never try to use the Optical Communication Unit to charge a battery other than the one specifically indicated in this manual.
- A fully charged battery pack naturally discharges little by little, even if you are not using it. Because of this, the best policy is to wait until just before you need a battery pack before you charge it.
- For best charging results, keep the contacts of the Optical Communication Unit, the Pocket PC Terminal, and the battery pack clean by wiping them periodically with a cotton swab or a dry cloth.

DIP Switch Settings

The DIP switches are located on the back of the Optical Communication Unit. You can control the basic configuration of the Optical Communication Unit by turning the DIP switches on and off in various combinations.



■ Flow Control

	9	10
None	OFF	OFF *
X ON/X OFF	ON	OFF
RS/CS	OFF	ON
Special Software	ON	ON

■ Optical Communication Unit - Host Data Rate

	6	7	8
2,400bps	OFF	OFF	OFF
4,800bps	ON	OFF	OFF
9,600bps	OFF	ON	OFF *
19,200bps	ON	ON	OFF
38,400bps	OFF	OFF	ON
57,600bps	ON	OFF	ON
115,200bps	OFF	ON	ON

■ Connection Type

	3	4	5
With Host	OFF	OFF	ON (No daisy chain) * OFF (Daisy chain)
Daisy Chain Intermediate Unit	ON	OFF	OFF
Daisy Chain Terminator Unit	ON	OFF	ON

■ Pocket PC Terminal - Optical Communication Unit Data Rate

	1	2
38,400bps	OFF	ON
115,200bps	ON	OFF *

* Indicates initial default settings.

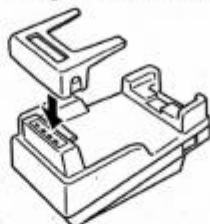
Important ⚠

Use only the settings shown above. Other settings other than those noted above are for special maintenance modes.

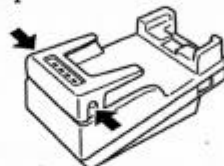
Wall Mounting the Optical Communication Unit

You can use the Wall Mount Unit that comes with the Optical Communication Unit to configure it for wall mounting.

1. Attach the terminal support to the Optical Communication Unit.

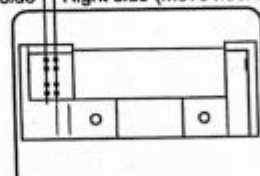


2. Secure the terminal support in place with the two screws.



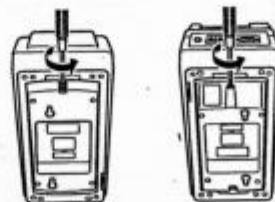
3. Remove the two screws holding the hook in place. Next, move the hook to the right side screw holes and secure it in place with the screws.

Left side Right side (Move hook here for wall-mounting.)

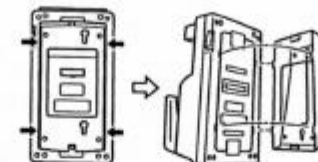


The illustration on the right shows when the hook on the Optical Communication Unit is removed.

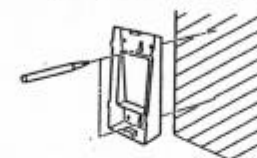
4. Remove the two screws (top and bottom) that secure the base of the Optical Communication Unit.



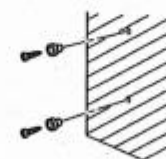
5. Press in on the sides of the base at the four locations indicated by arrows in the illustration to disengage the base tabs, and then remove the base from the Optical Communication Unit.



6. Holding the base against the wall where you plan to affix it use a pencil or pen to mark the locations of each wall hook (spacer + screw). Make sure the high end of the base is facing downwards when you perform this step.



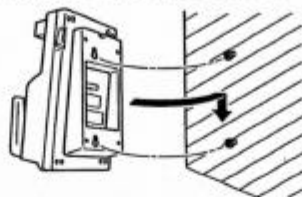
7. Prepare the wall hooks by sliding a spacer over each of the provided wood screws so the head of the spacer is on the same end as the head of the screw. Next, drive the screws into the wall at the two locations you marked in step 5. Make sure the spacer head is on the same end as the head of the screw. You will not be able to hook the base unit onto the wall hooks (spacer + screw) if the spacer is backwards.



8. Reattach the base to the Optical Communication Unit, making sure that the high end of the base is on the same side of the Optical Communication Unit as the terminal support you installed in steps 1 and 2. Secure the base to the Optical Communication unit with the two screws (top and bottom).



9. Hook the holes of the Optical Communication Unit base onto the wall hooks and slide the Optical Communication Unit down to secure it.



Important ⚠

Be sure to periodically check wall mounted Optical Communication Units for looseness and tighten the screws whenever necessary.

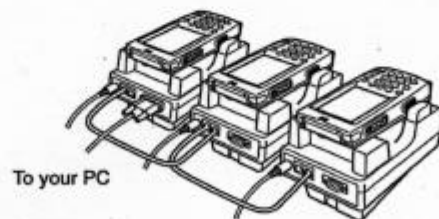
Daisy Chaining Multiple Optical Communication Units (IT-760IOE)

You can use optional Daisy Chain Cables (DT-888RSC) to daisy chain up to seven Optical Communication Units for simultaneous uploading and downloading of data between a computer and multiple Pocket PC Terminals.

To daisy chain multiple Optical Communication Units

Connect the [C-OUT] terminal of the Optical Communication Unit that is closer to the host computer to the [C-IN] terminal of the next Optical Communication Unit the computer in the chain.

- Example: 3-unit daisy chain



Caution ⚠

Do not connect the [C-OUT] terminal and the [C-IN] terminal to the telephone line.

Optical Communication Unit (IT-760IOE) Specifications

Model: IT-760IOE

IR port:

Interface: IrDA Ver.1.0 Standard

Synchronization: Asynchronous

Data Rate: 38,400, 115,200bps

RS-232C:

Synchronization: Asynchronous

Data Rate: 2,400 to 115,200bps

RS-422:

Synchronization: Asynchronous

Data Rate: 9,600 to 115,200bps

Power Supply:

Output: DC5V 1A

Charging

System: Fixed voltage (with voltage control)

Approximate Charge Time: 4 hours (Standard Battery Pack); 8 hours (Large-capacity Battery Pack)

Power Requirements: Special AC Adaptor (DT-825ADP)

Consumption Current: Approximately 900mA

Operating Temperature: 0 to 40°C (32 to 104°F)

Dimensions: 110(W) × 220(D) × 111(H) mm

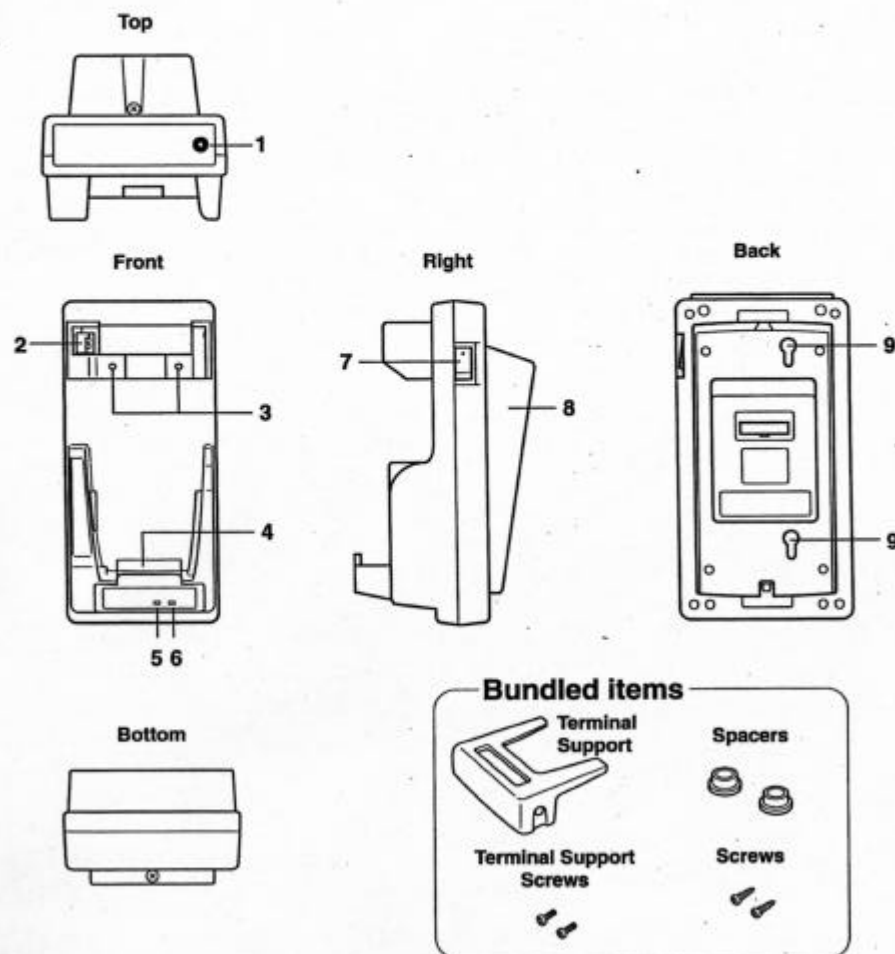
Weight: Approximately 530g

Using the Pocket PC Terminal Charger

You can use the optional Pocket PC Terminal Charger (IT-769CHGE) to charge the Pocket PC Terminal battery pack. The Pocket PC Terminal Charger comes with a Wall Mount Unit that you can use to configure the charger for wall mounting.

- The term "Charger Unit" in this section refers to the optional Pocket PC Terminal Charger (IT-769CHGE).

General Guide



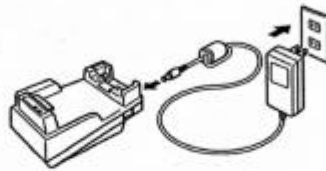
1	AC Adaptor Jack	For connection of the AC adaptor
2	Hook	Secures the Pocket PC Terminal in place when on a wall-mounted Pocket PC Terminal Charger.
3	Connection Detector	Detects whether the Pocket PC Terminal is correctly mounted onto the Optical Communication Unit.
4	Power Contacts	Supply power to the Pocket PC Terminal.
5	Charge Indicator	Indicates the current status of the charge operation. Off: No charging Lit Red: Charging Flashing Red: Battery pack abnormality Lit Green: Charging finished
6	Power Indicator	Indicates the power status of the Charger Unit, and whether a Pocket PC Terminal is mounted. Off: Power off Lit Red: Power on, Pocket PC Terminal not mounted Lit Green: Power on, Pocket PC Terminal mounted
7	Power Switch	Turns power on and off.
8	Base	Rotate the base 180 degrees (so its high end is facing downwards) when configuring the Optical Communication Unit for wall mounting.
9	Wall Hook Holes	Wall hooks (spacers + screws) enter these holes for wall mounting.

Charger Unit Power Requirements

Use the AC adaptor that comes with the Charger Unit to power it.

Using the Charger Unit

1. Plug the AC adaptor into a wall outlet.
2. After confirming that the Charger Unit is turned off, plug the AC adaptor cord into the AC adaptor jack on the top of the Charger Unit.



3. Turn on the Charger Unit.
 - The power indicator on the Charger Unit should light red at this time.
4. Mount a Pocket PC Terminal onto the Charger Unit, making sure power contacts on the bottom of the Pocket PC Terminal is in touch the power contacts of the Charger Unit.
- The power indicator on the Charger Unit should change from red to green, and its charge indicator should indicate the current charging status.



Charge Indicator

Lit Red:	Charging
Flashing Red:	Battery pack abnormality
Lit Green:	Charging finished

Important

- Make sure you perform charging within the allowable charging temperature range, which is 0°C to 40°C (32 to 104°F). Charging outside this range can lead to leaking of the battery pack and overheating. It can also lead to deterioration of battery pack performance and shortening of the battery pack life.
- If the charge indicator flashes red during a charge operation, remove the Pocket PC Terminal from the Charger Unit and then remount it. If this does not correct the problem, it probably means that the battery pack is defective. Replace the battery pack with a different one.
- Use the Charger Unit to charge only the specified Rechargeable Battery Pack models.
- A battery pack gradually loses its charge, even if it is not used to power a Pocket PC Terminal. Because of this, you should use a battery pack as soon as possible after you charge it.
- To ensure proper charging, be sure to occasionally clean the power contacts on the Pocket PC Terminal and the Charger Unit, and the Rechargeable Battery Pack terminals by wiping them with cotton swab or a dry cloth.

Wall Mounting the Charger Unit

You can configure the Charger Unit for wall mounting by using the same procedures as those described for the Optical Communication Unit (IT-760IOE) on page 36.

Pocket PC Terminal Charger (IT-769CHGE) Specifications

Power Supply: Output DC5V 1.0A

Charging

System: Fixed voltage (with voltage control)

Approximate Charge Time: 4 hours (Standard Battery Pack); 8 hours (Large-capacity Battery Pack)

Power Requirements: Special AC Adaptor (DT-825ADP)

Consumption Current (Terminal Off): Approximately 800mA

Operating Temperature: 0 to 40°C (32 to 104°F)

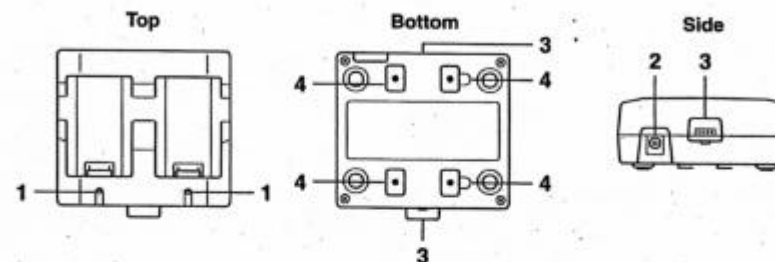
Dimensions: 110(W) × 220(D) × 111(H) mm

Weight: Approximately 440g

Using the Dual Charger

The optionally available Dual Charger (DT-5022CHG) lets you charge two battery packs. In this configuration, charging of the second battery pack starts after charging of the first battery pack is complete.

General Guide



Bundled Items

Attachment



Screws



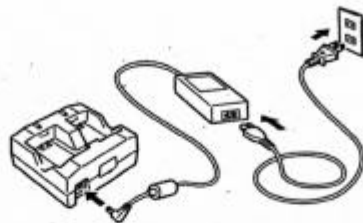
1	Charge Indicator	Indicates the current status of the charge operation. Off: No charging Lit Red: Charging Flashing Red: Battery pack abnormality Lit Green: Charging finished
2	AC Adaptor Jack	For connection of the AC adaptor
3	Dual Charger Connection Terminal	For connection to another Dual Charger
4	Connection Attachment	Use this attachment to secure two Dual Charger units together.

Important

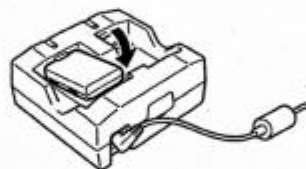
Each Dual Charger comes with a connection attachment, even though you need only one connection attachment to secure two Dual Charger units. Keep the extra one on hand as a spare.

Using the Dual Charger

1. Plug the optionally available special AC adaptor into a wall outlet.



2. Plug the AC adaptor cord into the AC adaptor jack of the Dual Charger.
 3. Mount a Rechargeable Battery Pack onto the Dual Charger, making sure the battery pack's terminals are oriented correctly.
- The charge indicator on the Dual Charger should light red, indicating that charging has started.



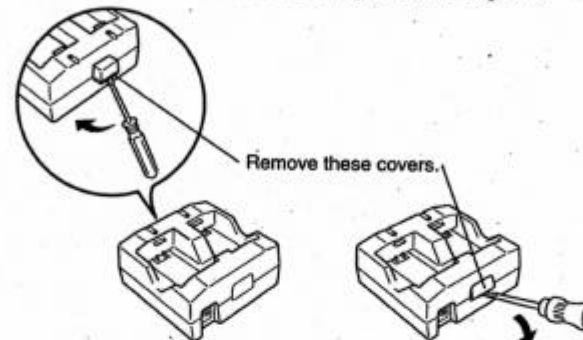
Charge Indicator

Off:	No charging
Lit Red:	Charging
Flashing Red:	Battery pack abnormality
Lit Green:	Charging finished

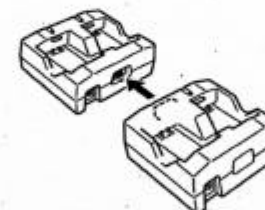
Daisy Chaining Dual Charger Units

You can use the following procedure to daisy chain up to three Dual Charger units and power them with a single AC adaptor.

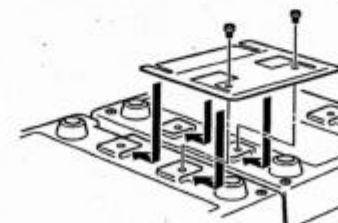
1. Remove the connector covers of Dual Charger units as required.



2. Connect the connection terminals of the Dual Charger units.



3. Install the connection attachment to the bottoms of the charger units as shown in the illustration, and secure it in place with the two attachment screws.



Dual Charger (DT-5022CHG) Specifications

Model: DT-5022CHG

Charging

System: Fixed voltage (with voltage control)

Approximate Charge Time: 2.5 hours (1 Standard Battery Pack); 5 hours (1 Large-capacity Battery Pack); 5 hours (2 Standard Battery Packs); 10 hours (2 Large-capacity Battery Packs)

Power Requirements: Special AC Adaptor (MPC-577ADP)

Consumption Current: Approximately 650mA

Operating Temperature: 0 to 40°C (32 to 104°F)

Dimensions: 110(W) × 100(D) × 49(H) mm

Weight: Approximately 154g

Using a CompactFlash Card

The Pocket PC Terminal supports use of the CompactFlash Type I card and Type II card (3.3V). The following describes how to load and replace a CompactFlash card.

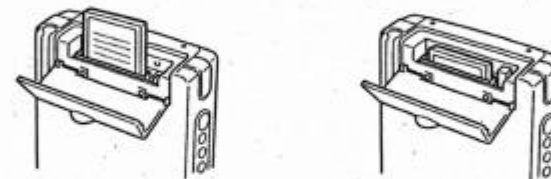
Important

You must remove the Slot 0 card cover when using a laser scanner or another type of card whose use makes it impossible to close the card cover. In such a case, keep the card cover in a safe place so you do not lose it.

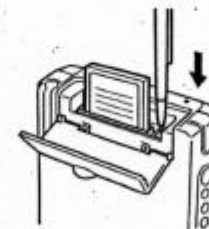
Loading a Card into Slot 0

1. Wipe the surface of the card, making sure there is no dirt, dust, or oil on it.
2. With the front of the card facing in the same direction as the front of the Pocket PC Terminal, insert the card into the slot.

You will not be able to insert the card all the way if it is not oriented correctly.



To eject a card from the Pocket PC Terminal, use the stylus or some other pointed object to press the eject button.



Loading a Card into Slot 1

Slot 1 is mainly intended for use as a memory expansion slot. Since you have to remove the main battery (battery pack) in order to load or remove a card from Slot 1, you should use it for a card you plan to leave loaded in the Pocket PC Terminal for long periods. Use Slot 0 for cards that require frequent replacement.

Also note that certain card shapes may be incompatible with Slot 1.

When you load a card into Slot 1, you have to affix a special piece of tape to it to allow for removal of the card when necessary. You will not be able to remove the card from Slot 1 if you do not affix the tape.

1. Wipe the surface of the card, making sure there is no dirt, dust, or oil on it.
2. Affix a piece of the special tape that comes with the Pocket PC Terminal to the center of the card.

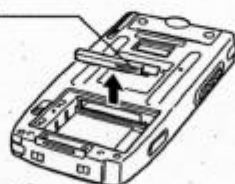


3. Slide the battery pack cover release to the [FREE] position, and then remove the cover.

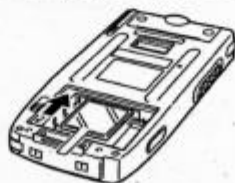
4. Remove the main battery (battery pack).

5. Remove the Slot 1 cover.

To remove the cover, pull on the indentation with your finger, and then raise the cover.



6. With the CompactFlash Card facing upwards, load it into Slot 1.



7. Replace the Slot 1 cover.

- Do not push the special tape all the way into the slot. Leave the end sticking out so you can use it the next time you need to remove the card from the slot.

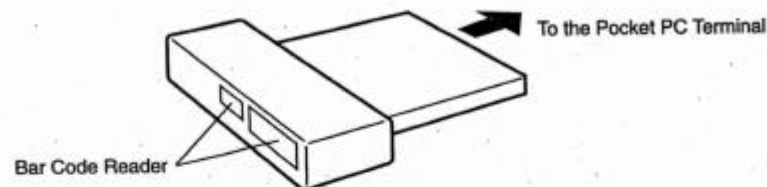
8. Reload the main battery (battery pack), replace the battery pack cover, and slide the battery pack cover release back to the [LOCK] position.

When you want to remove the card from Slot 1, pull on the tape you affixed to it.

Using a Laser Scanner

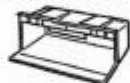
Installing an optional Laser Scanner Card (DT-5057CBCR) into the Pocket PC Terminal provides you with the ability to read various types of bar codes.

General Guide



Bundled items

Protective Cover



Screw Covers



Installation Screws

(2 silver, 2 black long, 2 black short)



Important

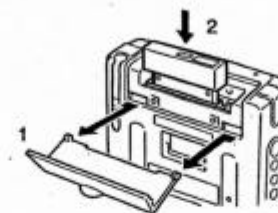
Do not touch the bar code reader with your fingers or allow it to become scratched or damaged. Dirt or scratches on the bar code reader can cause problems with the read operation.

Installing the Laser Scanner Card

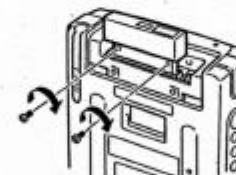
1. Remove the Slot 0 card cover.

With the card cover opened part way, carefully raise it so the cover's hooks come out of the holes in the Pocket PC Terminal, and then remove the cover.

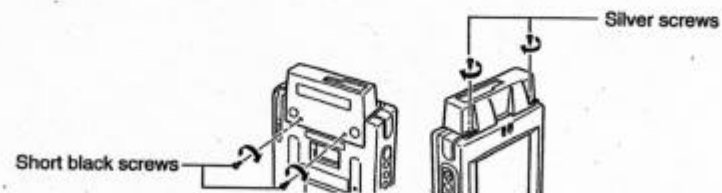
2. Insert the Laser Scanner Card into the Pocket PC Terminal.



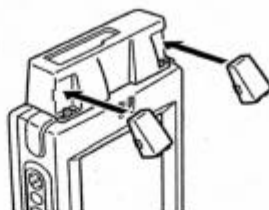
3. Use the long black screws to secure the Laser Scanner Card to the Pocket PC Terminal.



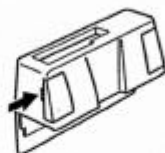
4. As shown in the illustration, install the protective cover and secure it in place with screws.



5. Install the screw covers as shown in the illustration.



- To remove the screw covers, insert a flat blade screwdriver at the locations indicated by arrows in the illustration.



Reading Bar Codes

1. Turn on the Pocket PC Terminal, position the reader port near the bar code you want to read, and press the Program key.



2. A laser beam is emitted from the reader port and the bar code reader reads it.
The operation indicator lamp lights green when the read operation is performed normally.

Important

- If you have a problem reading a bar code, try changing the angle of the label or Pocket PC Terminal, or the distance between them.
- The laser scanner can read bar codes from a distance of 60 to 420 mm under the conditions described below.

Required Reading Conditions:

Ambient Illumination: 500 to 900 lux (fluorescent lighting)

PCS: 0.45 to 0.9

Narrowest Bar Thickness: 0.127 to 1.0mm

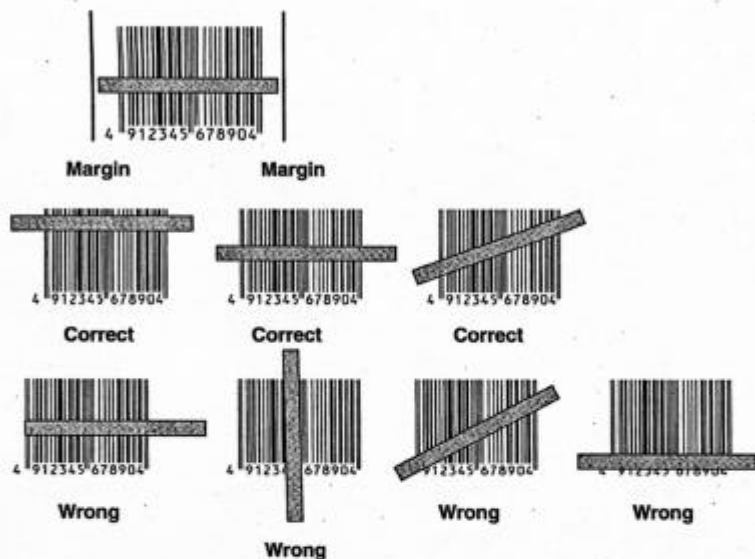
Warning Label



- This is a warning label for a Class 2 laser device that conforms to IEC60825-1.
- Though there is no danger due to momentary exposure to a Class 2 laser beam, you should never stare into the laser for long periods.
- When using the laser scanner, always make sure you carefully follow the procedures and observe the precautions outlined in this manual. Failure to do so is dangerous.
- The maximum output of the laser beam is less than 1mW. The wavelength is 650nm.

Bar Code Scanning Positions

Locate the bar code reader close to the bar code when the bar code is small.
For larger bar codes, move the bar code reader further away so the beam can cover the entire bar code.



Warning ⚠

- Never allow the laser beam to shine directly into your eyes or the eyes of others.
- Never look directly into the laser beam.

Laser Scanner Card Specifications

Model: DT-5057CBCR

Readable Bar Codes: JAN, EAN, UPC, NW-7, CODE39, ITF, CODE93, CODE128,
MSI, IATA, Industrial 2 of 5

Readable Distance: 60 to 420mm (with protective cover installed)

Interface: CompactFlash Card Type II (3.3V)

Consumption Current: Approximately 140mA

Operating Temperature: -5 to 50°C (23 to 122°F)

Dimensions: 52(W) × 60(D) × 12(H) mm

Weight: Approximately 25g

Using a Rechargeable Battery Pack

Two types Rechargeable Battery Packs are available. You can select the type you need to suit the amount of time you need to run the Pocket PC Terminal, and the operating environment (options, etc.)

When using the Large-capacity Rechargeable Battery Pack, you must change the battery pack cover to the large-capacity battery pack cover.

Important

Be sure to keep the Rechargeable Battery Pack in its special soft case whenever it is removed from the Pocket PC Terminal.

Standard Battery Pack Specifications

Model: DT-5023BAT

Rated Capacitance: 1550mAh

Rated Voltage: 3.7V

Dimensions: 37(W) × 57(D) × 13(H) mm

Weight: Approximately 45g

Accessories: Soft Case

Large-capacity Battery Pack Specifications

Model: DT-5024LBAT

Rated Capacitance: 3100mAh

Rated Voltage: 3.7V

Dimensions: 37(W) × 57(D) × 24(H) mm

Weight: Approximately 87g

Accessories: Soft Case