Handheld Terminal 手持终端 Portatif Terminal **DT-X30** 系列 Series 系列 Series

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 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/ UserGuide/sup85_e.html

Portatif 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





E C Tr

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

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.

Information in this document is subject to change without advance notice. CASIO Computer Co., Ltd. makes no representations or warranties with respect to the contents or use of this manual and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose.

•本产品配备了Brycen BL-RAPPORE Stack和My Wirefree Network Bluetooth User Interface Application,其使用经Brycen Co., Ltd.许可并受其限制。

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。

未经事先通知,可更改本文信息。卡西欧计算机有限公司对本手册内容或本手册的 使用不做任何声明或保证,并且对用于任何特定目的的适销性或适用性的明示或默 示的保证不予承诺。

• Bu Ürün, lisansları Brycen Co., Ltd. tarafından verilen Brycen BL-RAPPORE Stack ve My Wirefree Network Bluetooth User Interface Application gerekliliklerine göre donatılmıştır.

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.

Bu belgedeki bilgiler önceden bildirilmeksizin değiştirilebilir. CASIO Computer Co., Ltd. bu kılavuzun içeriği veya kullanımıyla ilgili hiçbir sorumluluk kabul etmez ya da garanti vermez ve ticari değer veya belirli bir amaca uygunluk konusundaki açık ya da zımni her türlü garantiyi reddeder.

Contents

Safety Precautions	E-2
Operating Precautions	E-8
Important	E-8
Regulatory Information	E-9
Handheld Terminal System Configuration	E-12
General Guide	E-14
Loading and Removing the Battery Pack	E-15
Charging the Battery Pack	E-18
Attaching the Hand Belt	E-20
Configuring Handheld Terminal Settings	E-21
Adjusting the Laser Light Emission Width	E-22
Resetting the Handheld Terminal	E-24
Warning Label	E-25

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.

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



Disassembly and Modification

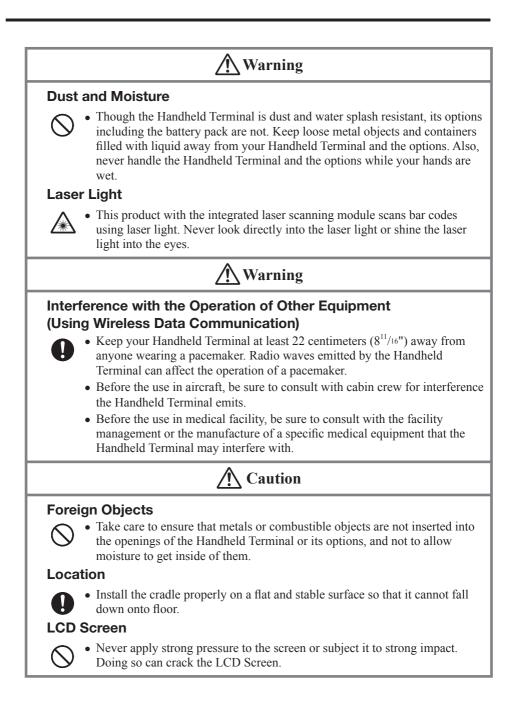


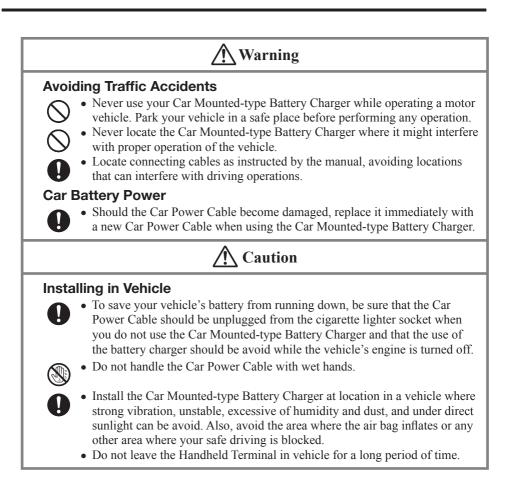
• Never try to disassemble or modify the Handheld Terminal and its options including battery pack and battery in any way.

Abnormal Conditions

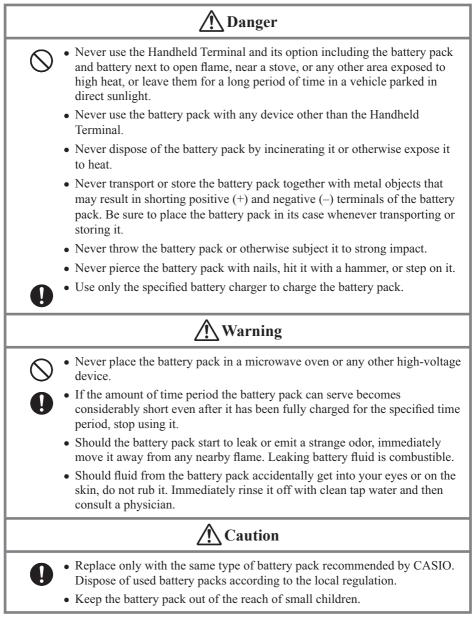


• Should the Handheld Terminal and/or its options including battery pack and battery become hot or start to emit smoke or a strange odor, immediately turn off the power and contact your dealer or distributor whom you purchased the product from, or an authorized CASIO service provider.

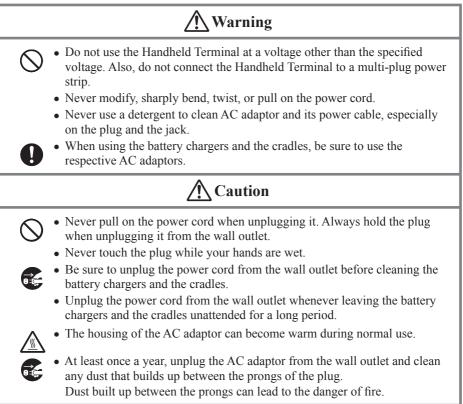




Optional Lithium-ion Battery Pack



Power Supply / AC Adaptor



Backup Copies of All Important Data

ACaution

- 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 Terminal, malfunction or repair of the Handheld Terminal or its peripherals, or due to the batteries going dead.
 - The Handheld Terminal employs electronic memory to store data, which means that memory contents can be corrupted or deleted if power is interrupted due to the batteries going dead or incorrect battery replacement procedures. Data cannot be recovered once it is lost or corrupted. Be sure to make backup copies of all important data. One way to do this is to use the separately sold cradles to transfer data to a computer.

Your Handheld 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 Terminal for a long period. Dead battery pack can leak, leading to malfunction and damage to the Handheld Terminal.
- Stop or avoid using the Handheld 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 Terminal
 - Pressing the screen or keys with excessive force when using in the rain

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.



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.

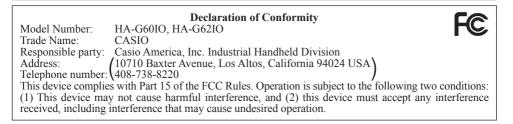
FCC WARNING

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.



For Users in Canada

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

DECLARATION OF CONFORMITY

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

Product: Handheld Terminal Models: DT-X30G, DT-X30GR, DT-X30E and DT-X30R Brand: CASIO

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

Council Directive: 1999/5/EC (R&TTE Directive): Standards for all models: EN 60950-1: 2001

EN 003301.2001 EN 50371: 2002 EN 301 489-17 v1.2.1 (2002-08) EN 300 328 v1.7.1 (2006-10) Standards for DT-X30G and DT-X30GR only: EN 50360:2002 EN 301 511 v9.0.2 EN 301 489-7 v1.3.1 (2005-11)

Hereunder, that this declaration is based on the above standards have been complied fully, constructing into a Technical File and reviewing by the Notified Body, Compliance Certification Services (NB Number; 0984).

Certificate/Expert Opinion issued by Compliance Certificate Services is available.

Manufacturer:

CASIO COMPUTER CO., LTD. 6-2, Hon-machi 1-chome, Shibuya-ku, Tokyo 151-8543, Japan

Representative within the European Union:

CASIO Europe GmbH Bornbarch 10, 22848 Norderstedt, Germany Products are for distribution within all member states of the EU. **CE0984 D** France limited to 2446.5-2483.5 MHz Indoor use. Belgium limited to 2400-2483.5 MHz Indoor, 2460-2483.5 MHz Outdoor use.

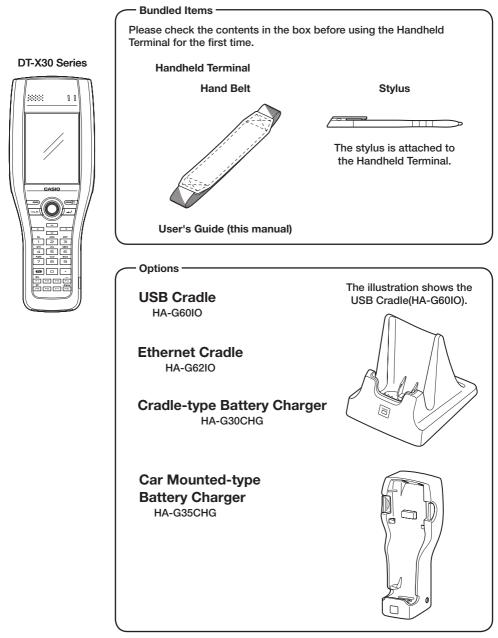
The information described above dates from January 2008 and may be subjected to future changes.

Optional models HA-G60IO, HA-G62IO, HA-G30CHG, HA-G32DCHG and HA-G21BAT are in conformity with the Council Directive 2004/108/EC.

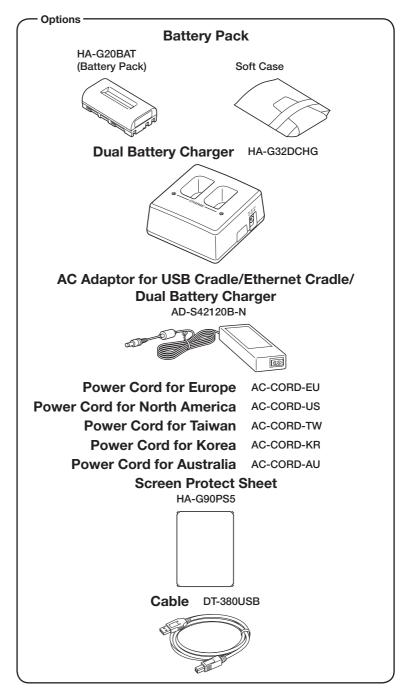


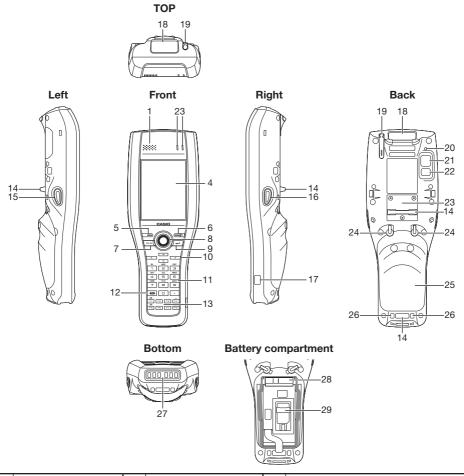
 $\label{eq:linear} Declaration of compliance with other relevant standards can be referred to at http://world.casio.com/system/pa/UsersGuide/sup85_e.html.$

Handheld Terminal System Configuration



For the latest options list, refer to the ON-LINE manual available at http://world.casio.com/system/pa/UsersGuide/sup85_e.html





1	Speaker	11	Numeric Keys	21	Camera Lens (Camera models)
2	Indicator 1	12	Fn Key	22	LED (Camera models)
3	Indicator 2	13	Function Keys	23	Expansion Port
4	Screen	14	Hand Belt Holes	24	Battery Pack Cover Lock Switch
5	Microphone	15	L Trigger Key	25	Battery Pack Cover
6	Power Key	16	R Trigger Key	26	Strap Holes
7	CLR Key	17	IR Port	27	Power Contacts
8	Center Trigger Key	18	Barcode Reader	28	MicroSD Card Slot
9	Enter Key	19	Stylus	29	SIM Card Slot (WWAN models)
10	Cursor Keys	20	Reset Switch		

Loading and Removing the Battery Pack

Your Handheld 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 (built-in) provides the power required to maintain memory contents when the battery pack power is unable to supply power for some reason.

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

You can use either Dual Battery Charger, Cradle-type Battery Charger, USB Cradle, or Ethernet Cradle to charge a battery pack. See the respective user's guides for information about how to charge.

Important!

- Remaining capacity on 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.
- When the battery pack is attached, it takes 30 minutes for the backup battery to obtain enough charge for maintaining memory (RAM) contents for 10 minutes. It takes four days for the backup battery to achieve a full charge.

Loading

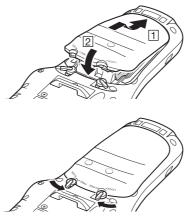
- 1. Turn over the Handheld Terminal.
- 2. Remove the battery pack cover as follows:
 - 1 Slide the left and right lock switches for the battery pack cover to the "FREE" position.
 - [2] Hook your fingertips into the notches in the Handheld Terminal and lift the battery pack cover up in the direction indicated by the arrow.



3. Load a battery pack (HA-G20BAT). Take care that the battery pack is oriented correctly when you load it. In addition, load the battery pack while making sure that the end of the battery pack removal tape is protruding above the battery pack.

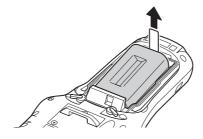


4. Put back the battery pack cover in the compartment as instructed by the arrows, 1 and 2 in the illustration and then return the battery pack cover lock switches to the "LOCK" position.



Removing

- 1. Make sure that the Handheld Terminal is turned off.
 - If the power is on, press the power key to turn it off.
- 2. Turn over the Handheld Terminal.
- 3. Refer to "Loading" on the previous page and remove the battery pack cover.
- 4. Remove the battery pack by pulling up the removal tape as shown in the illustration.



Important!

- When removing the battery pack, be sure you carefully follow the proper procedure as explained in this guide.
- Before starting to use the Handheld Terminal, ensure that the battery pack cover is properly closed. If not, the power is not turned on or is turned off abruptly while it is in use.

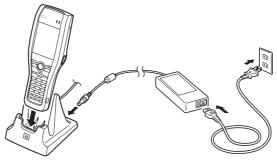
Charging the Battery Pack

To charge the battery pack, use one of the cradles and the battery chargers following the procedure described below. Be sure to use the separately sold AC adaptor (AD-S42120B-N) to power the cradle or charger.

Or, if you use the Car Mounted-type Battery Charger in a vehicle, use the accompanied Car Power Cable to power the charger.

USB Cradle/Ethernet Cradle/Cradle-type Battery Charger

The power LED on the front of the Cradle will light green if the Handheld Terminal has been properly mounted.



Status of Indicator 1 on DT-X30:

- 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) Charging complete

Dual Battery Charger

Green:

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.



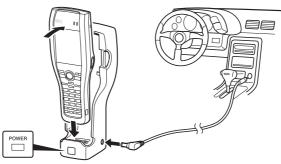
Status of Charge Indicator LED

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.)

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. The power LED on the front of the Car Mounted-type Battery Charger will light red if the Handheld Terminal has been properly mounted.



Status of Indicator 1 on DT-X30:

Orange: Charging

Red: Standby due to battery pack error or the surrounding temperature is out of the charging temperature range

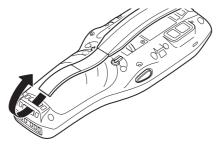
(charging begins when the temperature is within the charging temperature range)

Green: Charging complete

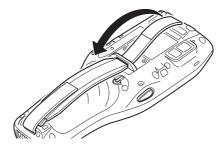
The hand belt can be used to prevent the Handheld Terminal from dropping when carrying it around. Attach the hand belt according to the procedure described below.

To attach the hand belt

1. Thread the belt through the hand belt hole as shown in the figure. Then fold it back and secure using the hook-loop fastener.



2. Thread the other end of the belt through the hand belt hole and adjust the length so that it fits comfortably on your hand. Then secure using the hook-loop fastener.



Important!

- Stick the hook-loop fastener down straight.
- Ensure that the folded-back part does not overlap. See "Bad" example at right.



Configuring Handheld Terminal Settings

Calibrating Touch Screen Alignment

Whenever the response of the touch screen is poor, or the operations being executed do 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.
- * The screen can also be displayed by navigating to Start \rightarrow Settings \rightarrow Stylus \rightarrow Calibration.

or Repea	Illy press and briefly hold stylus the center of the target. at as the target moves around the screen. Press the Fn nd then the CLR key to cancel.
	+

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



• Press the Enter key or tap anywhere on the touch screen.

Adjusting the Laser Light Emission Width

The emission width of the laser light emitted by the Handheld Terminal can be adjusted. Adjust the emission width when it has been changed.

1. Tap the menus in order of Start \rightarrow Settings \rightarrow Control Panel. The Control Panel appears as shown in the screen.



Scanner Setting Tool 0K X Read barcode Driver Mode Read 4 Code39 NW-7 WPC Addon VPC UPC-E Addon UPC-E IDF ITF Code128 GS1-128 Code93 MSI IATA GS1 DataBar GS1 DataBar ✓ Omnidirectional ✓ Limited (RSS-14) (RSS Limited) GS1 DataBar GS1 DataBar Expanded Expanded V Stacked (RSS Expanded) (RSS-14 Stacked) GS1 DataBar Exp Stacked (RSS Expanded Stacked)



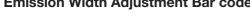
2. Double-tap the [Scanner Setting] icon. The Setting screen appears as shown in the screen.

3. Tap the [Others] tab in the Scanner Setting screen.

4. Tap the [Calibration] button. The display appears as shown at right.

- 5. Press the Trigger Key to emit laser light, and align the light with the barcode for adjusting emission width.
- Align the laser light with the narrow bars on both sides.
- The message appears as shown at right when adjustment is completed.
- Repeat the setting if "Setting failed" message appears.

Emission Width Adjustment Bar code







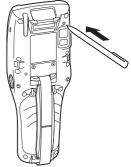


Resetting the Handheld Terminal is the same as resetting a PC. Performing a reset causes all unsaved inputs and edits to be lost, but data that is already stored in the memory as well as all settings should be unaffected.

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

Use a stylus to press the reset switch on the back of the DT-X30. This starts the reset operation.

* Do not use a toothpick or pencil or other sharp object whose tip may break off the reset switch.



If reset does not find a memory problem

The Handheld Terminal restarts, and normal operation is restored.

If reset finds a memory problem

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

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



When this message appears, press the Trigger key to continue with the reset operation.

Laser Beam



- This label is a warning and caution label for Class 2 laser products that comply with IEC60825-1:1993+A1:1997+A2:2001.
- 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!

Never look directly into the laser light.



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



CASIO COMPUTER CO., LTD.

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



Printed on recycled paper.

PN430053-001 MO0806-000501-A Printed in Japan