# DENSO

## **BHT-M80** Series

Operator's Guide 操作指南

## Handy Terminal

手持式条码扫描器 BHT-M80-QW (WLAN model) BHT-M80-QWG (WLAN + WWAN model)



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496996-0850

## Chapter 2 Components



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(2) Front camera 3 Receiver Speaker, microphone (5) Interface connector (6) USB connector (7) Rear camera (8) Code reading window (9) Battery cover locks (10) Wrist strap

11 Speaker, microphone

(1) Status indicator

1 Status indicator 2 Front camera 3 Receiver 4 Power key 5 M1 key -8 6 M2 key 7 Left trigger key 9 8 Right trigger key 10 9 M3 key 10 M4 key

### Chapter 1 Please read me first

Please contact your nearest distributor, if using in other countries.

The latest precision manufacturing technology yields LCD panels with an effective resolution of 99.99% or higher. The downside, however, is that up to 0.01% of the pixels can remain permanently dark or lit on today's state-of-the-art panels. re, please be aware that individual differences may occur in the screen color and brightness due to the characteristics of the white LEDs used in the LCD display backlight.

The Customer shall not modify, reverse compile, reverse engineer, reverse assemble, and or otherwise tamper with our BHT's firmware.

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period. DENSO WAVE will not bear any responsibility for data which customers have recorded and are received by DENSO WAVE for repair and analysis.

### 1.3 Free/Open source software (FOSS)

Chapter 3 Preparation before use

3.2 Inserting and removing the main battery

Insert the battery in the arrow direction.

3.1.1

right

3.2.1

This product contains Free / Open Source Software (FOSS.) DENSO WAVE is ready to provide compliant source codes. For details, please contact our dealer or contact the site below. https://www.denso-wave.com/

### 1.4 Product Contents Check

Ensure you have all of the following items prior to use. In the event of missing or damaged item please contact your dealer

- Handy terminal ×1 Operator's guide (this manual) ×1
- Wrist strap ×1

### 1.5 Customer Registration

To allow us to provide our customers with comprehensive service and support, we request that all customers complete a Member Registration Form. Registered members will be offered the following

- privileges. The latest upgrade information
- Free exhibition and event information for new products
  Free web-information service "QBdirect."

### QBdirect Service Contents

 
 Download service
 Offers detailed information on each product.

 Download service
 The latest OS systems for the BHT Series, repair software, and sample programs can be downloaded.

 E-mail inquiries
 Product related queries can be sent in by e-mail.
 Download service E-mail inquiries

### Please note that these privileges may be subject to change without prior notice.

How to Register Access the URL below and follow the instruction provided. https://www.denso-wave.com/

### 1.6 Secured Three-year Warranty

If you register the serial number of the product within one month after your purchase, the warranty of the registered product will be prolonged to three years from the one-year warranty.

### Please access the URL below to register. https://www.denso-wave.com

The serial number for registration is found under the QR Code on the name plate.



The main battery may not be fully charged for shipment. Please charge the main battery to full before using the handy terminal. You may use the Charging Cradle or USB cable to charge the handy

### 3.3.1 Charging Time Main battery

3.3 Charging the BHT

The main battery powers the handy terminal to work. It takes approximately 3 hours to charge an empty main battery to full. The status indicator above the screen will light up in red while charging and will turn green when charging is complete.

- and will full green when one and a structure of the structure of the sub-battery. The sub-battery is mounted on the main board and used for retaining data when the battery is replaced or when it is removed. When the sub-battery is fully charged, data can be retained for at least five minutes. It may take approximately ten minutes to fully charge an empty sub-battery after installing the main one. Do not remove the battery so as to retain data properly.

3.3.2 Charging Temperature Charging the battery at room temperature (18 °C to 25 °C) is recommended in order to deliver optimal performance. Please note that battery charging stops when ambient temperature drops below 0°C or exceeds 40°C. The temperature to stop charging may vary according to the practical operating

### 3.3.3 Operation on Battery Power

When 802.11AI/Jg/l/ac, SSM/GPRS/EDGE/WCDMA/UMTS/HSDPA/HSUPA/HSPA+/LTE, Bluetooth v5.1&v2.1+EDR and GPS are all enabled on battery power, the main battery level will drop down substantially. Prolonged use of the display and continued scanning of barcodes will also affect battery lovel.

In order to avoid the unexpected system shutting down when the battery level is low, we suggest that you keep a fresh battery for replacement at all times, or connect the BHT to an external power.

Remove the battery from the BHT or the Cradle then store in a cool and dry place if not using the BHT

To ran extended period of time. Storing a fully charged or depleted (unable to turn on the BHT) battery for long periods time may deteriorate the performance and life of the battery. For long-term storage, storing the battery at the 50% of the power level is recommended. During long-term storage, charge the battery cartidge fully once a year in order to maintain the battery performance. When fully charge, allow the battery to discharge down to the recommended level before

restoring. The battery may swell over the years depending on usage environment. This is a characteristic of a lithium-ion battery and is not safety hazard.

### 3.3.4 Charging Status of the BHT Τh

4.3 Turn OFF the Power

Power OFF

e Charge status of the	BHT is shown on the st	atus indicator above the display screen.
Status indicator	Indication	Description
Charging	Red, solid	Charging the BHT
	Red, blink	Charging error
	Green, solid	Charging complete
	Not light	Charging error (Charging stops.)

### 1.7 Usage Precautions

1.7.1 Usage environment restrictions

Do not use the BHT where it may be exposed to fire, high temperatures, or direct sunlight. (Failure to observe this may result in damage, overheating, explosion, or fire.) When the BHT is stored in a high-temperature, high-humidity environment of 50° to 60°C, leave to sit in a location at room temperature and normal humidity for at least 1 day prior to use. Failure to observe this may cause a reading failure or damage the BHT. Do not use the BHT in places with extreme temperature variations. (Failure to observe this may lead to BHT malfunction due to condensation.) Leave the BHT for a short while prior to use when moved from a cold to a warm environment. Do not use the BHT in places where it may be exposed to strong impact or significant static electricity.

1.7.2 Keep the BHT away from electromagnetic waves and metallic objects.

## Wireless communication may not be possible in the following locations and using.

- Wireless communication may not be possible in the following locations and i In the vicinity of the following devices operating on a 2.4 GHz waveband (Communication may not be possible due to electromagnetic interference.) Industrial, scientific, or medical equipment such as microwave ovens Wireless LAN devices Logistics systems in places such as plants or warehouses Wireless devices such as amateur radio stations

In the vicinity of household appliances emitting electromagnetic waves such as computers or televisions (Communication may not be possible due to electromagnetic noise.) In the vicinity of metallic objects, in places with high levels of metallic dust, or in places surrounded by metal walls (Communication may not be possible due to the presence of metallic objects.) Putting on any metallic objects around the antenna. Placing your hand over the antenna

### 1.8 Proper Care of the BHT

- Make sure to turn OFF the BHT before cleaning.
- Terminal dirt on the BHT and battery Periodically wipe any dirt from the terminals of the BHT and battery with a cotton swab or similar soft object. Be sure not to scratch or deform the terminals while cleaning. Never use organic solvents such as thinner or alcohol, as this may cause terminal plating to be peeled off peeled off. Housing dirt

using dirt Wipe any dirt from the housing with a dry, soft cloth. If excessively dirty, wipe with a soft cloth that has been soaked in soapy water (always use a neutral detergent) and wrung out thoroughly. Never use organic solvents such as thinner or alcohol, as this may cause the housing to be marred or paint to be peeled off.

- LCD screen dirt Never rub or strike the LCD screen with anything hard, as this may result in scratches on the
- screen or breakage Code reading window dirt Any dirt or dust adhering to the clear plate of the code reading window will adversely affect reading

Any winto rouse automing to an end of the second se

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### 3.3.5 Using the USB Cable

(1) Plug the USB Type-C connector into the connector at the ttom end of the tern (2) Plug the USB Type-A connector into the USB power



3.3.6 Using the Charging Cradle

### Connecting the cradle to the power supply

Connect the cradle to the power supply using the dedicated power adapter or the USB cable and USB power adapter. Plug the AC plug or the AC adapter into an electrical outle





Using the USB power adapter to connect the CU-M80UQ to the power supply





### Charging to the BHT Place the BHT upright and gradually incline it backward.

## Chapter 4 How to Use

### 4.1 Turn ON the Power

Push the battery in the arrow direction.

3.2.4 Push the battery cover locks in the arrow direction. Pull out the battery with the battery tab held.



3.1 Fasten the wrist strap. Fasten the wrist strap to the BHT-M80 as shown on the



Note: When placing the BHT on the cradle, be careful not to get the strap entangled between the BHT and the cradle. A specific part of BHT may get warm while charging depending on the operating environment and condition. This is not a malfunction.

Removing the BHT from the Cradle Incline the BHT frontward and pull it out.



Notice on the power connection of the charging cradle As for CU-M80U with the USB interface, both the power adapter and the USB cable can be used. To charge both BHT and the spare battery, use the power adapter. When charging with the USB cable, only BHT can be charged. Under the conditions, such as when the large capacity battery is installed in the BHT or when the BHT is under operation while charging, the use of the power adapter is recommended because these conditions may result in long-time charging or a charging error. Using a deteriorated battery may cause a charging error. In this case, replace the battery with the new one.

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# To power on the BHT, press and hold the power button ( located on the upper side of the device. The OS starts up and the lock screen is displayed. Swipe the lock screen from bottom to top to display the home screen.

Note. In order to power on the handy terminal, the battery must be secured in place. When using the BHT under the low temperature environment such as inside the refrigerated on place. The balance of the BHT at the ambient temperature and then take it to the low temperature environment. Powering on the BHT at the low temperature may not start up the BHT successfully. Operating the BHT under the low temperature environment may result in delayed BHT operation or extremely reduced operating time due to the battery characteristics. Please verify the operating conditions prior to use.

4.2 Scan Codes Follow the procedure below to read codes.

4.2.1 Press the power key to start up the BHT from the sleep status.

### 4.2.2





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## 4.4 Battery Power Level Indicator

The main-battery power level can be confirmed at the battery icon displayed in the top right of the LCD screen. Since the indicator shows only a rough estimate of main-battery power not an accurate

emaining power level, please be charged early. The main-battery power level indicator shows only a rough estimate of battery power not an accurate remaining power level. Please read Safety Precautions to ensure the proper use of the battery

Battery icon	Status
100%	100%
76%	Slightly reduced
<b>[</b> ]15%	Dropping below 15%
6	Charging

### 4.5 Using the BHT after Long Non-Use

Data stored in the BHT may be lost or damaged and the calendar clock may stop if the BHT is left

ta stored in the BHT may be lost or damaged and the calendar clock may stop if the BHT is left used for a long period. • Keep a backup copy of important or critical information beforehand. • Reset the calendar clock if it is stopped. • The battery is also used as a backup power source. You should not remove the battery from the BHT for at least 10 minutes until the sub-battery is fully charged. Please refer to the User's Manual for more information on trouble shooting.

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Specular reflection	BHT may not read the code due to specular reflection.	
Distance from code	The code may not be read if it is too close to or too far from the BHT reading window, even when the code is within the read area.	Move the BHT slowly toward or away from the code and try again.
Code surface curvature	The code may not be read if its surface is extremely curved.	Read the code at the center of the code reading window.
Code surface dirt	The code may not be read if its surface is dirty.	Wipe the dirt from the code and try again.
Code reading window dirt	The code may not be read if the code reading window is dirty.	Blow any dust away with an airbrush, and then gently wipe the reading window with a cotton swab or similar soft object.
Direct sunlight, ambient light	Code reading may be adversely affected by direct sunlight or the brightness of the surrounding light.	Read the code away from direct sunlight. Adjust the brightness of the surrounding light when reading

 Cause
 Countermeasure

 When the light is focused on the printed
 Change the BHT reading angle and

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1 Yoshiike Kusagi Agui-cho, Chita-gun, Aichi 470-2297, Japan https://www.denso-wave.com/ This manual uses recycled paper.

### Chapter 6 Troubleshooting Guide

### 6.1 The BHT power does not turn ON

- Make sure that the main-battery is properly inserted into the BHT. Check the battery power level and charge the battery if necessary. Wipe any dirt from the main-battery and the BHT terminals.

### 6.2 The BHT cannot be charged.

- The BHT Cathlot be charged. Make sure that the dedicated charger is used. Make sure that the main-battery is properly inserted into the BHT. Make sure that the BHT has been properly placed in the Cradle. The BHT status indicator will turn red when properly placed in the Cradle. Wipe any dirt from the main-battery and BHT terminals. Replace the main-battery with a new one if it has been charged more than 300 times, or if more than one year has elapsed in order to avoid any trouble caused by the battery deterioration.

### 6.3 The BHT unexpectedly turns OFF.

The bHT Unexpectedly tums UF F.
 Make sure that the battery has been fully charged. If not, charge the battery.
 Check whether auto power off is set. If auto power off is set, the power will be turned off automatically when the BHT is not used for the set time.
 Auto power off setting can be changed only in the user program.
 The BHT may be broken if the above measures are not adequate.
 Notify the system administrator.
 Refer to the User's Manual for appropriate measures if an error message is displayed on the BHT during the operation.

### Chapter 7 Memory Contents after power off

Data location	Data retention
Internal storage flash memory	Data retained
microSD card	Data retained
Data being edited	Data erased

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### 第1章 使用須知

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• 本產品中包含Free/Open Source Software(FOSS)。 Denso Wave有提供對應源代碼的準備。詳細情況 請諮詢本公司的銷售門店或者訪問以下網站。 https://www.denso-wave.com/

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### 1.4 附屬品的確認

- 使用前,請確認以下附屬品是否齊全, 如果發現有不啻或損壞等情況,請與銷售門店聯繫。 • 即T本體(1台) • 操作指南(本手冊) • 手繩(1根)

第2章 元件 2.1 BHT-M80

上側面

下側面

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### 1.5 **用戶註冊**

- 為了向選購本公司產品的用戶提供更充實的服務和幫助,本公司希望用戶配合進行"用戶註冊"。進行
- 用戶註冊後可以享受以下特別服務。
- 發布版本升級通知 發布有關新產品、展覽會以及各種活動等的信息 免費使用網絡信息服務 "QBdirect"

### QBdirect的服務内容 信息搜索服務(FAQ) 可以獲取各種產品的詳細信息。

下載服務	可以下載BHT系列的最新系統、 軟件的修改模塊以及樣品程序。
產品諮詢	可以通過電子郵件對產品進行諮詢。

特別服務的內容會發生變化,敬請諒解。 註冊方法 請訪問以下網頁並按照嚮導進行註冊 https://www.denso-wave.com/

### 1.6 有保證的三年保固

如果您在購買產品後一個月內註冊產品序號,註冊後的產品保固期將從一年延長到三年。

請至以下網址註冊。

https://www.denso-wave.com/

在銘板上的QR碼下可以找到註冊的序號。



### 1.7 使用上的注意事項

### 1.7.1 不能使用的場所

- 火邊雲高溫場所、受陽光直射的場所(有可能會造成故障、發熱、破裂、著火)。
   存放在溫度50℃~60℃的高溫高濕場所時,請在常溫常濕的場所放置1天以上後再使用。如果在內部保持高溫的狀態下使用,有可能會造成無法讀取等設備故障。
   溫度變化急劇的場所(結常會引起運行錯誤)
   從寒冷的地方移動到溫暖的地方時,請放置一段時間後再使用。
   會受到強烈衝擊或有大量靜電產生的場所

### 1.7.2 遠離電波、電磁波、金屬

### 在以下場所或使用方法下,可能會出現無法進行無線通信的情況。

- 以下使用2.4 GHz頻段電波的設備的附近(因受電波干擾,會出現無法通信的情況。)
- 以下使用2.4 Guz規設電波的設備的附近(因受電波十邊,會出現無法通信的情況。) 微波進等工業、科學、醫療用設備 無線LAN設備 工廠或倉庫等的物理管理系統 · 業餘無線電站等的無線收發器 電腦。電視等產生電磁波的家電產品的附近(電磁噪聲會導致無法通信。) 金屬物的附近、金屬粉多的地方、被金屬壁包閣的房間(因受金屬的影響,會出現無法通信的情 弱。
- 通信天線的周圍有金屬物或被用手遮擋。

### 1.7.3 電池的更換時期

當電池經過反复充放電後接近使用壽命時,因容量下降,會導致BHT的運行時間變短。如果出現這種情況,請停止使用已到使用壽命的電池,並更換新電池。 入。前行上KUTI当场化用等动场的全部是大场动电站。 另外,因電池到達使用壽命後會發生膨脹,所以會出現難以插入BHT的情況。如果出現這種情況,說明 電池壽命已到,請立即更換新電池。

### 1.8 日常保養

- 進行日常保養前,請務必關閉電源。
- BHT本體以及充電端子上的污垢 請定期用棉花棒等擦去BHT本體或充電端子上的污垢。 但在擦拭時,請注意避免使端子變形。 進行清潔時,請勿使用香蕉水、酒精等溶劑。 否則有可能造成充電電極的鍍層脫落。
- 外殼的污垢 請用柔軟的干布擦除 间///134/44-19-1018495-污垢嚴重時,請將布浸入用水稀釋的中性清潔劑中,擰乾後擦拭,最後用乾布擦除水分。 請勿使用香蕉水、酒精等溶劑。否則有可能造成外殼變質或塗料脫落。
- 液晶屏的污垢 液晶屏容易受傷,請勿用硬物刮劃或敲打。 否則有可能造成表面受傷或破裂。
- 按鍵的污垢
- 擦拭按鍵表面的污垢時,請勿強力搓揉或拉拽按鍵。否則可能會造成按鍵損壞。

### 修碼讀取窗口的污垢

如果條碼讀取窗口的玻璃板上粘有灰塵或垃圾,會影響條碼的讀取。 在灰塵多的地方使用時,請定期檢查讀取窗口的玻璃板上是香粘有灰塵,如果有灰塵,請用空氣刷 將灰塵吹走後,用柔軟的棉花棒等輕輕擦拭乾淨。 有沙粒等硬粉粘閉時,如果搓揉會造成讀取窗口的玻璃板受傷,所以請用空氣刷將沙粒吹走,或用 毛尖柔軟的刷子將沙粒刷掉。

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1 狀態指示燈

11 揚聲器、麥克風

前相機

3 接收器

4 電源鍵

5 M1鍵

6 M2鍵 7 左觸發鍵

右觸發鍵

9 M3鍵 10 M4鍵

 狀態指示燈 前相機 接收器 (4) 揚聲器、麥克風 ⑤ 介面連接器 ⑥ USB連接器 後相機 ⑧ 條碼讀取窗口 電池蓋鎖 10 手腕繩

將手腕繩繫在BHT-M80上,如右圖所示。

3.1.1

3.1 **繁好手腕繩。** 

第3章 使用前的準備工作



3.2.1 按箭頭方向插入電池

3.2.3



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按箭頭方向壓下電池。

3.2.4



### 3.3 為BHT充電

主電池可能沒有充飽電就出貨。請將主電池充飽電後再使用手持式掃描器。您可以使用充電座或USB線 為手持式掃描器充電。

### 3.3.1 充電時間 主電池

手持式掃描器是由主電池供電以維持其運轉。將空的主電池充飽電大約需要3個小時。充電時螢幕 上方的狀態指示燈會亮起紅色,充電完成後會變成綠色。 副電池

- 副電池安裝在主機板上,用途為在更換電池或取出電池時保留資料。
- 當副電池充飽電後,資料至少可保留5分鐘。 安裝完主電池後,可能需要大約十分鐘才能將空的副電池充飽電。請勿取出電池,以便妥善保留資
- 料。

### 3.3.2 充電溫度

建議在室溫下(18℃ 至 25℃)為電池充電,以達到最佳性能。請注意,當環境溫度降至 0℃ 以下或超 過 40℃ 時,電池將停止充電。停止充電的溫度可能會因實際操作環境而有所不同。

### 3.3.3 電池供電的操作

肋

當802.11a/b/g/n/ac、GSM/GPRS/EDGE/WCDMA/UMTS/HSDPA/HSUPA/HSPA+/LTE、v5.1及v2.1+EDR藍牙和GPS都啟用電池供電時,主電池電量將大幅下降。長時間使用螢幕和連續掃描條碼也會影響電池電量。 為了避免電池電量過低時系統意外關機,建議您隨時準備好新的電池進行更換,或是將BHT連接至外部 電源

如果長時間不使用BHT,請將電池從BHT或充電座中取出,再存放在陰涼乾燥的地方。 和本化的時一次仍加加一時的電波電力起金化一次也全化中電化一方指放出電磁化和新力之力 長時間存放充飽電波電力超盡(無法開啟BHT)的電池。可能會耗損電池的性能和壽命。 如需長期存放,建議將電池電力保留在50%的電量。

在長期存放過程中,為了保持電池性能,每年應充飽一次電池盒。電池充飽後,先將電池放電至建議電 量後再恢復存放。

### 根據使用環境的不同,電池可能會在幾年後膨脹。這是鋰離子電池的特性,不存在安全隱患 3.3.4 BHT的充電狀態

### BHT的充電狀態顯示在螢幕上方的狀態指示燈上。

態指示燈	指示	說明
電	紅色,恆亮	為BHT充電
	紅色,閃爍	充電錯誤
	綠色,恆亮	充電完成
	沒有亮燈	充電錯誤(充電停止。)



將USB Type-C連接器插入手持式掃描器底部的連接器 (2) 將USB Type-A連接器插入USB電源供應器



### 3.3.6 使用充電座

### 將充電座接上電源 使用專用電源供應器或USB線和USB電源供應 器,將充電座接上電源。

將交流電插頭或交流電電源供應器插入電源插

使用電源供應器將CU-M80U接上電源



使用USB電源供應器將CU-M80UQ接上電源



對策



第5章 當無法成功讀取條碼時

原因



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### 第4章 使用方法 4.1 **開啟電源**

電源開啟

1234

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6

7-

4.3 Turn OFF the Power 要關閉BHT電源,按住電源按鈕[⑦],點選彈出的 ★電源關閉★功能表。在點選 ★關閉電源★ 功能表 之前,請確認所有的用戶資料和工作都已儲存。

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注意:將BHT放置在充電座上時,請注意不要讓掛繩纏繞在BHT和充電座之間。充電時,BHT的某個特 定部位可能會因工作環境和條件的不同而發熱。這並非故障。

### 從充電座取下BHT 向前傾斜BHT,並將其拉出



### 關於充電座電源連接的注意事項

對於帶有USB介面的CU-M80U,電源供應器和USB線皆可使用。 對於市方GDJT加強力CO-MGO 电磁动状态增加COD球目力CDT 要為BHT和備用電池充電,可使用電源状態器。 使用USB線充電時,只能為BHT充電。在BHT中安裝大容量電池或在BHT處於工作狀態時充電等情況 下,建議使用電源供應器,因為這些情況可能會導致長時間充電或充電錯誤。使用耗損的電池可能會導 致充電錯誤。在這種情況下,要更換新的電池。

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要開啟BHT的電源,請按住位於機器上側的電源鍵(①)。OS啟動並顯示鎖定畫面。從下往上滑動鎖定畫 面,即可顯示主畫面

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注意。為了方便手持式掃描器供電,必須將電池固定在正確位置上。在決藏室等低溫環境下使用BHT 時,請在正常環境溫度下開機,再將BHT帶到低溫環境中。在低溫下開啟BHT電源,可能無法成功啟動 BHT。由於電池的特性使然,在低溫環境下操作BHT,可能會導致BHT延遲運行或大幅縮短工作時間。 使用前請確認操作條件

4.2 **掃描條碼** 按照以下步驟讀取條碼

4.2.1

按下電源鍵,從睡眠狀態啟動BHT。

4.2.2 點選掃描設定



將條碼讀取窗口指向要掃描的條碼,並按下掃描器側面的觸發鍵。 用掃描用的光線進行照射,對列印出來的條碼進行掃描。 成功掃描並顯示資料後,或是經過一段時間後,掃描的燈光會消

### 4.4 **電池電量指示燈**

可從液晶螢幕右上方顯示的電池圖示確認主電池的電量。由於指示燈顯示的只是主電池電量的粗略估 計,並非準確的剩餘電量,所以請儘早充電。 主電池電量指示燈只顯示電池電量的粗略估計,並非準確的剩餘電量。請閱讀安全注意事項,確保已正 確使用電池。

電池圖示	狀態	
100%	100%	
76%	略微减少	
<u>[]</u> 15%	降至15%以下	
	东雷	

### BHT可能會因鏡面反射而無法讀取條碼。 鏡面反射 如果條碼離BHT讀取窗口太近或太遠,即使 缓慢地將BHT移向或遠離條碼,然後 與條碼之距離 條碼在讀取區域內,也可能無法讀取。 再試一次。 讀取位於條碼讀取窗口中心位置的條 如果其表面極度彎曲,可能無法讀取條碼。 條碼表面曲率 抹除條碼上的污垢,再試一次。 如果條碼表面有汙垢,可能無法讀取 條碼表面的汗垢 如果條碼讀取窗口有汗垢,可能無法讀取條 用氯副吹击所有灰霞,然後用棉篽或 條碼讀取窗口的 頃似的軟物輕輕擦拭讀取窗口。 汙垢 陽光直射或周圍光線的亮度可能會對條碼讀 讀取條碼時要避開陽光直射。在室內 陽光直射 取產生不利影響 讀取時,調整周圍光線的亮度。 環境光線

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### 4.5 長時間不使用BHT後再度使用

如果長時間不使用BHT,BHT中儲存的資料可能會消失或損壞,並且日曆時鐘可能會停止

· 重要的支關鍵的資訊應專先做好積份。 · 如果日曆時鐘已停止,則重新設定之。 · 電池也作為備份電源使用。至少在副電池充飽電前的10分鐘內,勿從BHT上取下電池。

欲瞭解更多的故障排除資訊,請參考使用手冊。





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### 第6章 故障排除指南

### 6.1 BHT電源沒有開啟

# 確認主電池已正確插入BHT中。 檢查電池電量,必要時為電池充電 抹除主電池和BHT掃描器上的灰塵。

### 6.2 BHT無法充電。

- 確認已使用專用電源供應器。
   確認認主電池已正確插入BHT中。
   確認認可定截正確放置在完電運中。
   當正確放入充電運時,BHT狀態指示燈將變成紅色。
   當床確立地BHT都是佔防壓。
   如果主電池充電次數超過300次,或使用時間超過一年,請更換新的電池,以避免因電池劣化而造 成的任何問題

### 6.3 BHT意外關閉。

2 DALATAST 的时刻 確認電池已充飽電。如果沒有充飽,請為電池充電。
• 检查是否設定了自動關閉電源。如果設定了自動關閉電源,則在設定的時間內未使用BHT,電源將 自動關閉電源設定只能透過用戶程式變更。
如果採取上述措施仍未解決,BHT可能已損壞。 通知系統管理員

如果在操作過程中BHT上顯示錯誤訊息,請參考使用手冊以採取適當的措施。

### 第7章 關閉電源後的記憶體內容

資料位置	資料保留
內部儲存快閃記憶體	保留的資料
microSD卡	保留的資料
編輯中的資料	刪除的資料