

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)

Thank you for using the DENSO WAVE Handy Terminal.
Please read this manual thoroughly prior to operation to ensure full use of the product's functionality, and store safely in a convenient location for quick reference even after reading.
This manual contains only the basic details required for operation.
Please refer to the User's Manual for further details on general operation.
The User's Manual can be downloaded from the DENSO WAVE Web site.
<https://www.denso-wave.com/>

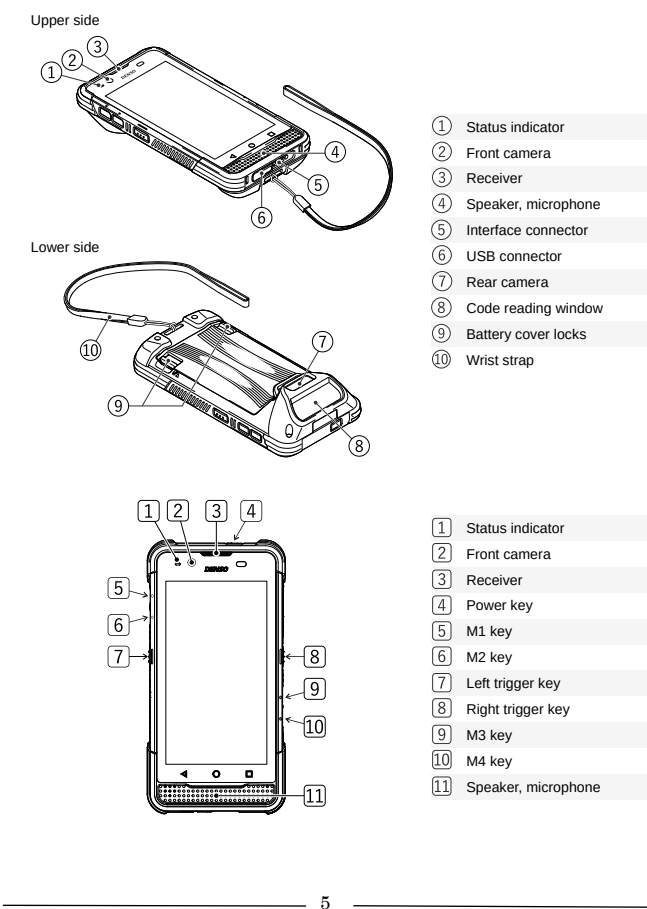
感謝您使用 DENSO WAVE 公司的手持式掃描器。
為了讓您充分使用本產品功能，請在開始操作前閱讀本說明書。並且，在閱讀後為了能夠在必要時隨時參考，請妥善保存本說明書。
本說明書僅記載了操作過程中所需要的基本內容。
關於所有操作的詳細內容，請參考操作說明書。
操作說明書可在本公司網站免費下載。
<http://www.denso-wave.com/>



496996-0850

Chapter 2 Components

2.1 BHT-M80



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.
Furthermore, 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.

1.1 About This Manual

Due to changes and improvements, the content of this manual may be subject to change without prior notice.
The reproduction or duplication of the whole or part of this manual is strictly prohibited without prior consent.
Please contact DENSO WAVE if this manual is lost.
Every attempt has been made to ensure that the content of this manual is thorough and up to date, however, we kindly ask you to report any questionable descriptions, mistakes or omissions, if any, to DENSO WAVE.

1.2 Liability Limitations

DENSO WAVE INCORPORATED ("DENSO WAVE") does not assume any product liability (including damages for lost profits, interruption of operations, or the loss of business-related information) arising out of, or in connection with, the use of, or inability to use the BHT system software or related manuals.
DENSO WAVE takes reasonable precautions to ensure its products do not infringe upon any patents or other intellectual property rights of other(s), however, DENSO WAVE cannot be responsible for any patent or other intellectual property right infringement(s) or violation(s) arising from any of the following:
(1) The use of DENSO WAVE's products in connection or in combination with other components, products, devices, data processing systems or software not supplied by DENSO WAVE.
(2) The use of DENSO WAVE's products in a manner for which they were not intended nor designed.
(3) The modification of DENSO WAVE's products by parties other than DENSO WAVE.
If it is judged by DENSO WAVE that malfunction of the product is due to the product having been dropped or subjected to impact, repairs will be made at a reasonable charge even within the warranty 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)

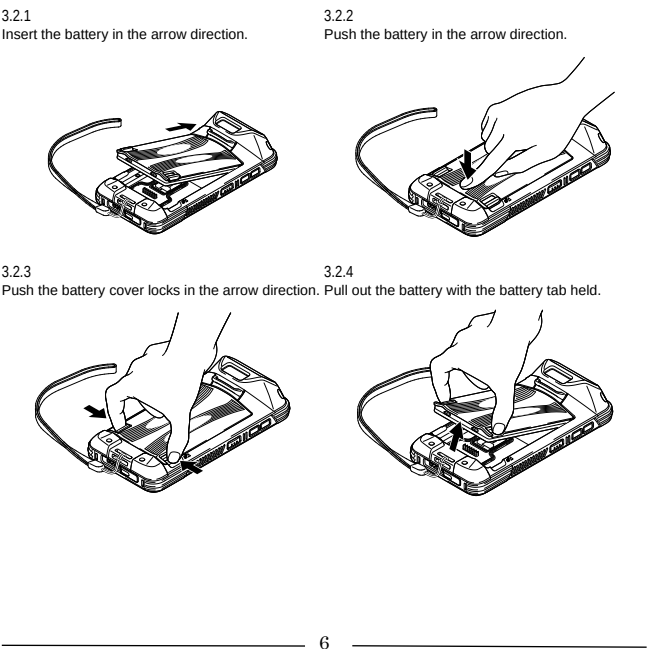
This product contains Free / Open Source Software (FOSS.) DENSO WAVE is ready to provide compliant source codes. For details, please contact our dealer or contact the site below.
<https://www.denso-wave.com/>

Chapter 3 Preparation before use

3.1 Fasten the wrist strap.

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

3.2 Inserting and removing the main battery



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.

- Latest upgrade information
- Free exhibition and event information for new products
- Free web-information service "QbDirect."

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

Information searching service (FAQ) Offers detailed information on each product.
The latest OS systems for the BHT Series, repair software, and sample programs can be downloaded.
Download service Product related queries can be sent in by e-mail.
E-mail inquiries Please note that these privileges may be subject to change without prior notice.

How to Register

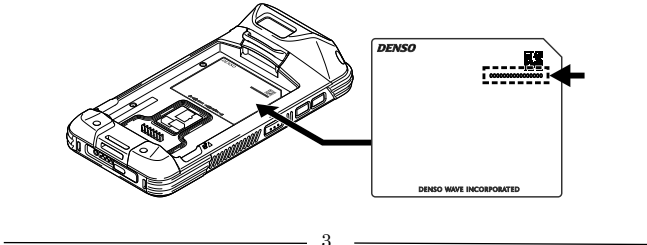
Access the URL below and follow the instruction provided.
<https://www.denso-wave.com/>

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.



3.3 Charging the BHT

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 terminal.

3.3.1 Charging Time

Main battery
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.

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 environment.

3.3.3 Operation on Battery Power

When 802.11a/b/g/n/ac, GSM/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 level.
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 for an 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 cartridge 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.

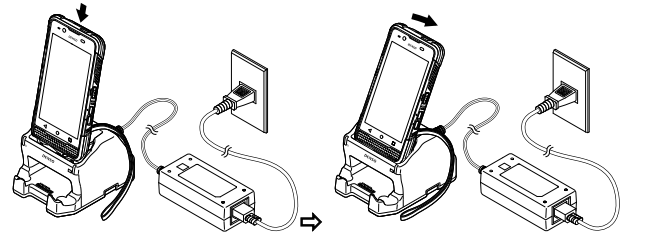
3.3.4 Charging Status of the BHT

The Charge status of the BHT is shown on the status indicator above the display screen.

Status indicator	Indication
Charging	Red, solid Charging the BHT
	Red, blink Charging error
	Green, solid Charging complete
	Not light Charging error (Charging stops.)

Charging to the BHT

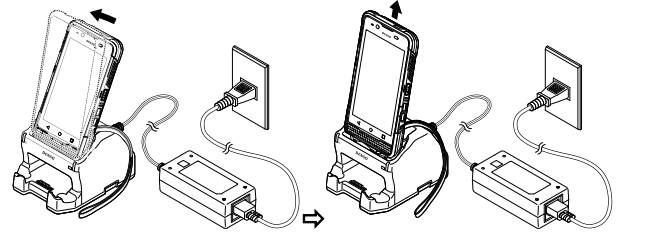
Place the BHT upright and gradually incline it backward.



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 forward 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.

Chapter 4 How to Use

4.1 Turn ON the Power

Power ON

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.

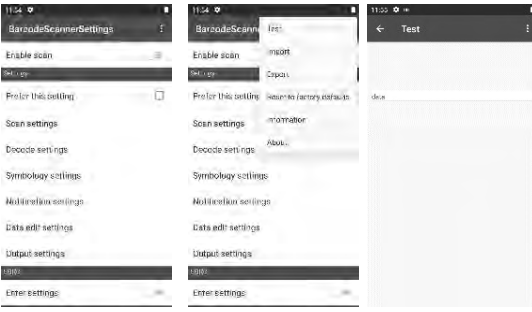
Note. In order to power on the handy terminal, the battery must be secured in place. When using the BHT under the low temperature environment such as inside the refrigerated room, power on the BHT at the ambient temperature and then take it to the low temperature environment. Powering on the BHT at the 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 Tap the Scan Settings. Turn on the Reading Enable, and tap the on the menu bar. Then the test scan form opens to display the scanned data.



4.2.3

Point the code reading window towards the barcode to scan and press a trigger key on the side of the scanner.
Light for scanning is irradiated and the printed barcode is scanned.
When the data is successfully scanned and displayed, or the time has elapsed, the light for scanning disappears.

4.3 Turn OFF the Power

Power OFF

To power off the BHT, press and hold the power button , and tap the pop up Power off menu. Make sure that all user data and tasks are saved before tapping the Power off menu.

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 remaining 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%
	Slightly reduced
	Dropping below 15%
	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 unused 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.

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:
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.

Housing 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

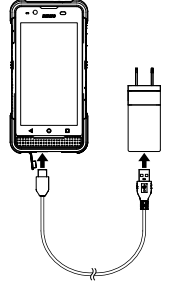
Never rub or strike the LCD screen with anything hard, as this may result in scratches on the screen or breakage.

Code reading window dirt

Any dirt or dust adhering to the clear plate of the code reading window will adversely affect reading performance.
When using in dusty areas, check regularly whether any dust has accumulated on the clear plate of the code reading window, and if so, first blow the dust away with an airbrush, and then gently wipe the plate with a cotton swab or similar soft object.
If sand or hard particles have accumulated, rubbing the plate will result in scratches. Blow the particles away with an airbrush or wipe with a soft brush.

3.3.5 Using the USB Cable

- (1) Plug the USB Type-C connector into the connector at the bottom end of the terminal.
- (2) Plug the USB Type-A connector into the USB power adapter.

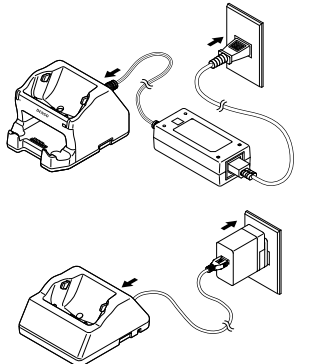


3.3.6 Using the Charging Cradle

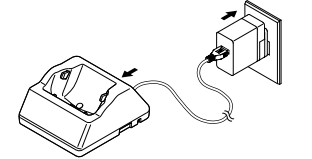
Connecting the cradle to the power supply

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 outlet.

Using the power adapter to connect the CU-M80U to the power supply



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



Chapter 5 When Unable to Successfully Read Codes

	Cause	Countermeasure
Specular reflection	When the light is focused on the printed surface of the code from directly above, the BHT may not read the code due to specular reflection.	Change the BHT reading angle and try again.
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 indoors.

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.

- 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.

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

This manual uses recycled paper.

第1章 使用須知

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液晶屏採用高精度技術生產，屏幕上有可能存在個別暗點或亮點，但這不屬於故障。
此外，由於液晶屏背光所使用的白色LED的特性，每台產品的屏幕色彩或亮度存在差異，敬請諒解。
對本产品配件不能進行逆向工程、反編譯、反彙編、合併、更改或更改。

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- 因規格改良等原因，本手冊的內容可能會有不經事先通知而發生變更的情況。
- 未經許可，禁止轉載、複製本手冊的全部或部分內容。
- 如不慎丟失本手冊，請向我公司諮詢。
- 對於本手冊的內容，雖然我們盡力追求完美，但萬一發現有可疑之處、錯誤或遺漏，煩請與我公司聯繫。

1.2 責任範圍

- 對於因使用或無法使用BHT系統軟件、相關資料而造成的附帶或間接損害（包含因營業利潤損失、業務中斷、營業信息喪失等造成的損害），本公司不承擔任何責任。
- 為了防止產品侵害他人專利權，本公司採取了適當的措施，但對於因以下(1)～(3)中任何一種原因引起的專利權侵害等事件，本公司將無法承擔責任，敬請諒解。
 - 與非本公司提供的零件、產品、裝置、數據處理系統或軟件配合使用時
 - 本公司產品被以預想不到的方法使用時
 - 本公司產品被本公司以外的第三方改造時
- 如果本公司判斷是因損落、衝擊造成的故障，即使在保質期內，也將是有償維修。
- 預存用戶的產品進行修理、解析等時，對於用戶保存在產品內部的數據，本公司將無法承擔責任。

1.3 Free/Open source software (FOSS)

- 本產品中包含Free/Open Source Software(FOSS)。 Denso Wave有提供對應源代码的準備。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/>

1.4 附屬品的確認

使用前，請確認以下附屬品是否齊全。
如果發現有不齊或損壞等情況，請與銷售門店聯繫。

- BHT本體（1台）
- 操作指南（本手冊）
- 手繩（1根）

1.5 用戶註冊

為了向選購本产品用戶提供更具免費的服務和幫助，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的服務內容		
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產品程序。	
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欄場進行註冊。

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

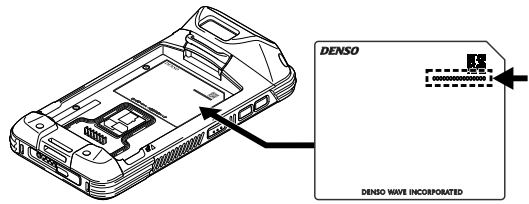
1.6 有保證的三年保固

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。

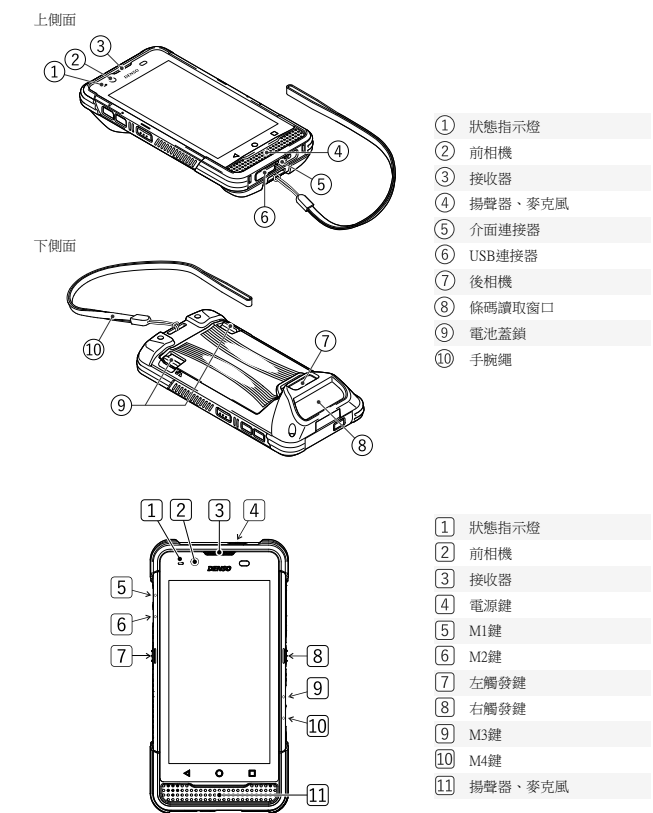
<https://www.denso-wave.com/>

在銘板上的QR碼下可以找到註冊的序號。



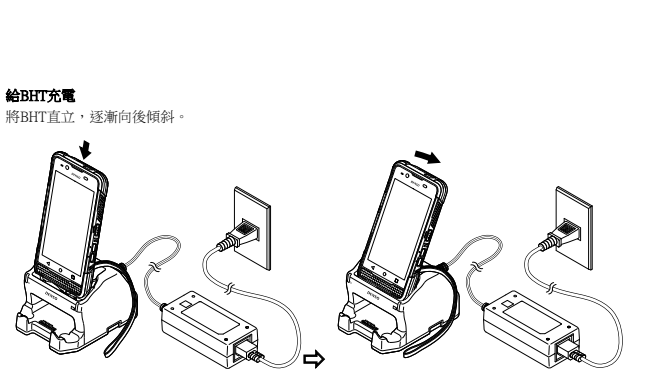
第2章 元件

2.1 BHT-M80



給BHT充電

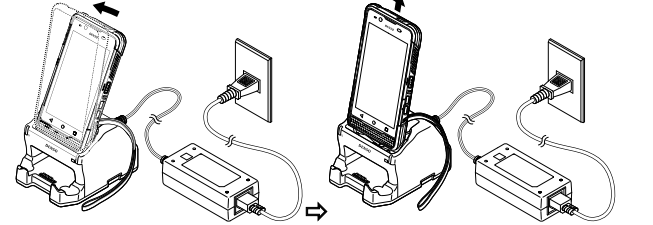
將BHT直立，逐漸向後傾斜。



注意：將BHT放置在充電座上時，請注意不要讓排插纜繞在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端口的CU-M80U，電源供應器和USB線皆可使用。
應為BHT和備用電池充電，可使用電源供應器。
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。

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。
- 確認主電池已正確插入BHT中。
- 確認BHT已正確放置在充電座上。
- 當正確放入充電座時，BHT狀態指示燈將變成紅色。
- 抹除主電池和BHT掃描器上的灰塵。
- 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，以避免電池劣化而造成的任何問題。

6.3 BHT意外關閉。

- 確認電池已充電。
- 檢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。
- 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

1.7 使用上的注意事項

1.7.1 不能使用的場所

- 火爐等高溫場所、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（結露等可能進行錯誤）。
- 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。）
 - 微波爐等工業、科學、醫療用設備
 - 無線LAN設備
 - 工廠資產管理等物理管理系統
 - 無線電站等等的無線發信器
- 電腦、電視等產生電磁波的家電產品的附近（電磁雜音會導致無法通信。）
- 金屬物的附近。金屬粉多的地方，使金屬壁包圍的房間（因受金屬的影響，會出現無法通信的情況。）
- 通信天線周圍有金屬物或能用手遮擋。

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。

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。

3.3 為BHT充電

主電池可能沒有充電就出貨。請將主電池充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。

當副電池充電飽滿，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電飽滿。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（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

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，再存放在乾燥陰涼的地方。長時間存放充電飽滿或電力耗盡（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。電池充電後，先將電池放電至建議電量後再存放保存。根據使用環境的不同，電池可能會在幾年後膨脹。這是離離子電池的特性，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。

狀態指示燈	指示	說明
充電	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。）

4.3 Turn OFF the Power

Power OFF

要關閉BHT電源，按住電源按鈕[ON]，點燈彈出的★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。

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，確保已正確使用電燈。

電池圖示	狀態
100%	100%
76%	略微減少
15%	降至15%以下
充電	充電

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，並且日曆時間可能會停止。

- 重要的或關鍵的資訊應事先做好備份。
- 如果日曆時間已停止，則重新設定之。
- 電池也作為備份電源使用。至少在副電池充電飽滿的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。

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，請勿使用香皂水、酒精等溶劑。否則有可能造成表面受損或破裂。

- 外觀的污垢

請用柔軟的干布擦除。
污漬嚴重時，請將布浸入用水稀釋的中性清潔劑中，擦乾後擦拭。最後用乾布擦除污漬。
請勿使用香皂水、酒精等溶劑。否則有可能造成表面受損或破裂。

- 液晶屏的污垢

液晶屏容易受傷，請勿用硬物刮削或敲打。
否則有可能造成表面受損或破裂。

- 按鍵的污垢

擦拭按鍵表面的污垢時，請勿強力搓揉或拉扯按鍵。否則可能會造成按鍵損壞。

- 條碼讀取窗口的污垢

如果條碼讀取窗口的玻璃板上粘有灰塵或灰垢，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是否粘有灰塵。如果有灰塵，請用空氣刷將灰塵吹走。用柔軟的棉花棒等輕輕擦拭乾淨。
有沙粒等硬物粘附時，如果無法造成讀取窗口的玻璃板受傷，請用空氣刷將沙粒吹走，或用毛尖柔軟的刷子將沙粒刷掉。

3.3.5 使用USB線

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

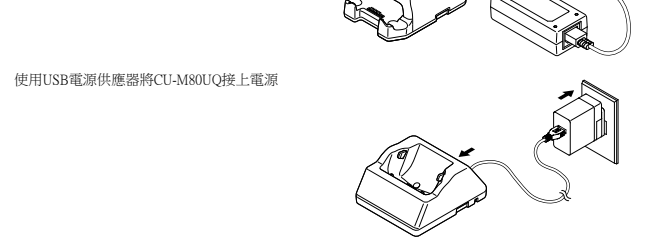


3.3.6 使用充電座

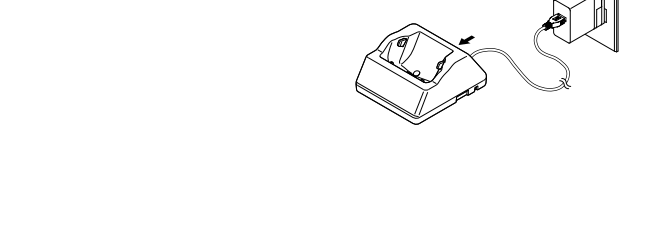
將充電座接上電源

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。
將交流電源插頭或交流電源供應器插入電源插座。

使用電源供應器將CU-M80U接上電源



使用USB電源供應器將CU-M80U接上電源



第5章 當無法成功讀取條碼時

	原因	對策
鏡面反射	當光線從正上方聚焦在條碼的印刷表面時，BHT可能會因鏡面反射而無法讀取條碼。	改變BHT讀取角度，再試一次。 
與條碼之距離	如果條碼離BHT讀取窗口太近或太遠，即使條碼在讀取區域內，也可能無法讀取。	緩慢地將BHT移向或遠離條碼，然後再試一次。
條碼表面曲率	如果其表面極度彎曲，可能無法讀取條碼。	讀取位於條碼讀取窗口中心位置的條碼。
條碼表面的污垢	如果條碼表面有污垢，可能無法讀取。	抹除條碼上的污垢，再試一次。
條碼讀取窗口的污垢	如果條碼讀取窗口有污垢，可能無法讀取條碼。	用氣刷吹走所有灰塵，然後用棉籤或類似的軟物輕輕擦拭讀取窗口。
陽光直射、環境光線	陽光直射或周圍光線的亮度可能會對條碼讀取產生不利影響。	讀取條碼時要避開陽光直射。在室內讀取時，調整周圍光線的亮度。

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第5章 當無法成功讀取條碼時

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