

掌上型無線 CCD 掃描器

- MS912+ -



使用手冊

Version 1.0

前言

手冊介紹

感謝您選購 unitech 產品。

本手冊將介紹如何設定、操作及使用此項產品，包含基本設定介紹。

未經製造商書面許可，不得以任何形式、利用電子或機械手段(例如影印、錄音或資訊儲存及擷取系統)重製或使用本刊物的任何部分。本手冊的內容如有變更，恕不另行通知。

Regulatory Compliance Statements

FCC Warning Statements

This device 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 with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with 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.

1. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure requirements, avoid direct contact to the transmitting antenna during transmitting.
3. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

Operation on the 5.15 - 5.25GHz frequency band is restricted to indoor use only. The FCC requires indoor use for the 5.15-5.25GHz band to reduce the potential for harmful interference to co-channel Mobile Satellite Systems. Therefore, it will only transmit on the 5.25-5.35 GHz, 5.47-5.725 GHz and 5.725–5.850 GHz band when associated with an access point (AP).

FCC Label Statement

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.

RF Radiation Exposure Statement

For body contact during operation, this device has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Canadian Compliance Statement

This Class B Digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte les exigences du Règlement sur le matériel brouilleur du Canada.

European Conformity Statement

unitech Electronics co., Ltd herewith declares that the unitech product is in compliance with the essential requirements and all other provisions of the R&TTE 1999/5/EC directive, the EMC 2004/108/EC directive and the Low Voltage 2006/95/EC directive.

The declaration of conformity is available for download at :

<https://portal.unitech.eu/public/Safetyregulatorystatement>

RoHS Statement



This device conforms to RoHS (Restriction of Hazardous Substances) European Union regulations that set maximum concentration limits on hazardous materials used in electrical and electronic equipment.

Waste electrical and electronic equipment (WEEE)



unitech has set up a policy and process to meet the EU directive 2002/96/EC and update 2003/108/EC concerning electronic waste disposal.

For more detailed information of the electronic waste disposal of the products you have purchased from unitech directly or via unitech's resellers, you shall either contact your local supplier or visit us at :

<https://portal.unitech.eu/public/WEEE>

Taiwan NCC Warning Statement

交通部電信總局低功率電波輻射性電機管理辦法

第十二條：經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條：低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

低功率射頻電機需忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

注意事項：

1. 使用過度恐傷害視力。
2. 使用30分鐘請休息10分鐘；2歲以下幼兒不看螢幕，2歲以上每天看螢幕不要超過1小時。

Laser Information

The unitech product is certified in the U.S. to conform to the requirements of DHHS/CDRH 21CFR Subchapter J and to the requirements of IEC 825-1. Class II and Class 2 products are not considered to be hazardous. The unitech product contains internally a Visible Laser Diode (VLD) whose emissions do not exceed the maximum limits as set forth in the above regulations. The scanner is designed so that there is no human access to harmful laser light during normal operation, user maintenance or prescribed service operations.

The laser safety warning label required by the DHHS/IEC for the unitech product's optional laser scanner module is located on the memory compartment cover, on the back of the unit.

* Laser information only applies to the products with laser components.

CAUTION! Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser light. Use of optical instruments with the scanner, including binoculars, microscopes, and magnifying glasses, with will increase eye damage. This does not include eyeglasses worn by the user.

LED Information

The unitech product contains LED indicator(s) or LED ring whose luminance is not harmful to human eyes during normal operation, user maintenance or prescribed service operations.

*LED information only applies to the products with LED components.

Battery Notice

1. To guarantee optimal performance, it is recommended that rechargeable batteries be replaced every year, or after 500 charging cycles are completed. It is normal for the battery to balloon or expand after one year or 500 cycles. Although it does not cause damage, it cannot be used again and must be disposed of according to the location's safe battery disposal procedures.
2. If a battery performance decreases more than 20%, the battery is at the end of its life cycle. Stop use and ensure the battery is disposed of properly.
3. The length of time that a battery lasts depends on the battery type and how the device is used. Conserve the battery life by doing the following:
 - Avoid fully uncharging the battery because this places additional strain on it. Several partial uncharges with frequent charges are better than a fully uncharged battery. Charging a partially charged battery does not cause harm to the unit.
 - Keep the battery cool. Avoid hot vehicles. For prolonged storage, keep the battery at a 40% charge level.
 - Do not leave the battery uncharged and unused for an extended period of time, the battery will wear out and the longevity of the battery will be at least half of one with frequent charges.
4. Protect battery life by not over or under charging the battery.
5. Please do not leave battery unused for long time without charging it. Despite unitech's safety precautions, the battery pack may begin to change shape. If so, stop using it immediately. Please check to see if you are using a proper power adapter to charge the battery or contact your service provider for service.
6. If you cannot charge the battery after it has been idle for an extended period of time and it begins to heat up, please do not try to charge it. It may not be functional anymore.
7. Please only use the original battery from unitech. Using a third party battery can damage our products. Please note that when such damage occurs, it is not covered by unitech's warranty policy

CAUTION!

- RISK OF EXPLOSION IF BATTERY IS REPLACED INCORRECTLY.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS..
- 如果更換不正確之電池行事會有爆炸的風險
請依製造商說明書處理用過之電池
- 如果更換不正確之電池行事會有爆炸的風險
請依製造商說明書處理用過之電池

Battery charge notice

It is important to consider temperature when the battery pack is charging. Charging is most efficient at normal room temperature or in a slightly cooler environment. It is essential that batteries are charged within the stated range of 0°C to 40°C. Charging batteries outside of the specified range could damage the batteries and shorten their life cycle.

CAUTION! Do not charge batteries at a temperature lower than 0°C. This will and make the batteries unstable and dangerous. Please use a battery temperature detecting device for a charger to ensure a safe charging temperature range.

Storage and safety notice

Although charged batteries may be left unused for several months, their capacity may be depleted due to build up of internal resistance. If this happens, they will require recharging prior to use. Batteries may be stored at temperatures between -20°C to 60°C, however they may deplete more rapidly at higher temperatures. It is recommended to store batteries at room temperature.

** The message above only applies to the usage of the removable batteries.
For the products with non-removable batteries / without batteries, please refer to the specification of each product.*

Product Operation and Storage Notice

The unitech product has applicable operation and storage temperature conditions. Please follow the limitation of suggested temperature conditions to avoid failure, damage or malfunction.

**For applicable temperature conditions, please refer to the specification of each product.*

Adapter Notice

1. Please do not leave the power adapter in the socket when it is not connected to your unitech product for charging.
2. Please remove the power adapter when the battery is fully recharged.
3. The bundled power adapter that comes with your unitech product is not meant to be used outdoors. An adapter exposed to water or rain, or a very humid environment can cause damage to both the adapter and the product.
4. Please only use the bundled power adapter or same specification of adapter to charge your unitech product. Using the wrong power adapter can damage your unitech product.

** The message above only applies to the product connected to the adapter.
For the products without using the adapters, please refer to the specification of each product.*

Hearing Damage Warning

Zx.3 Warning

The warning shall be placed on the equipment, or on the packaging, or in the instruction manual and shall consist of the following:

- the symbol of Figure 1 with a minimum height of 5 mm; and
- the following wording, or similar :

To prevent possible hearing damage, do not listen at high volume levels for long periods.



Figure 1 – Warning label (IEC 60417-6044)

Alternatively, the entire warning may be given through the equipment display during use, when the user is asked to acknowledge activation of the higher level.

全球支援

unitech's professional support team is available to quickly answer questions or assist with technical-related issues. Should an equipment problem occur, please contact the nearest unitech regional service representative.

For complete contact information please visit the Web sites listed below:

Taipei, Taiwan – Headquarters	Europe
Tel: +886-2-89121122 E-mail: info@hq.ute.com Address: 5F, No. 136, Lane 235, Baoqiao Road, Xindian District, New Taipei City 231, Taiwan (R.O.C.) Website: http://www.ute.com	Tel: +31-13-4609292 E-mail: info@eu.ute.com Address: Kapitein Hatterasstraat 19, 5015 BB, Tilburg, the Netherlands Website: http://eu.ute.com
China	Japan
Tel: +86-59-2310-9966 E-mail: info@cn.ute.com Address: Room401C, 4F, RIHUA International Mansion, Xinfeng 3rd Road, Huoju Hi-tech District, Xiamen, Fujian, China Website: http://cn.ute.com	Tel: +81-3-35232766 E-mail: info@jp.ute.com Address: Kayabacho Nagaoka Building 8F.,1-5-19 Shinkawa, Chuo-Ku, Tokyo, 104-0033, Japan Website: http://jp.ute.com
Asia & Pacific / Middle East	Latin America
Tel: +886-2-27911556 E-mail: info@apac.ute.com info@india.ute.com info@mideast.ute.com Address: 4F., No. 236, ShinHu 2nd Rd., NeiHu Chiu, 114, Taipei, Taiwan Website: http://apac.ute.com / http://mideast.ute.com	Tel: +52-55-5171-0528 E-mail: info@latin.ute.com Address: 17171 Park Row, Suite 210 Houston, TX 77084USA (Rep.) Website: http://latin.ute.com
North America	
Tel: +1-714-8916400 E-mail: info@us.ute.com / info@can.ute.com Address: 6182 Katella Ave, Cypress, CA 90630, USA Website: http://us.ute.com	

Warranty Policy

The items covered under the unitech Limited Warranty are free from defects during normal use.

The warranty period is varied from each country. Please consult with your supplier or unitech local office for actual length of warranty period to your purchased product.

Warranty becomes void if equipment is modified, improperly installed or used, damaged by accident or neglect, or if any parts are improperly installed or replaced by the user.

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第一章 - 總覽

1.1 產品配備清單

請確認 MS912+包裝箱中各項配備是否齊全。

若發現任何組件遺失或損壞，請立即與 unitech 當地經銷商聯繫。

基本配件清單：

- MS912+ 掃描器
- 快速指南
- Regulatory Compliance Statements
- USB 充電電源線
- 手帶

注意：若想掃描條碼，請確認瞄準光束穿過條碼的每一條碼條及空隙。



1.2 產品介紹



1.3 規格

效能/光學	
影像感應器	線性 CMOS 感應器
光源	625 nm 可見紅色 LED
最大解析度	4 密耳(0.1mm)
掃描率	650 次掃描/秒
列印對比	最低 30%
掃描距離	
讀取距離 (DOF PCS = 90%)	Code 39, 4mil: 40mm (近) / 65mm (遠) Code 39, 5mil: 35mm (近) / 90mm (遠) Code 39, 10mil: 35mm (近) / 195mm (遠) Code 39, 15mil: 50mm (近) / 280mm (遠) UPC/EAN, 13mil: 35mm (近) / 230mm (遠)
功能	
碼制(Symbolologies)	UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, ChinaPostal Code, MSI Plessy Code, UK PlessyCode, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databar.
組態方法	組態條碼
電器規格	
操作電壓	3.7VDC $\pm$ 5%
電池類型	鋰電池
電流消耗	操作模式： < 145mA 待命模式： < 55mA
電池持續時間	6000 次讀取/充電

環境	
ESD 保護	4KV Contact 和 8KV Air 後可運作
操作溫度	0°C 至 50°C
儲存溫度	-20°C 至 60°C
相對濕度	0% to 95% 非冷凝
掉落測試	1.5M
傳輸通訊	
範圍	10M (無障礙)
支援的主控介面	Mini USB
介面/設定檔	SPP,HID
無線類別	無線第 2 類
機械規格	
外殼材料	ABS + PC
尺寸	L65 x ABS + PC 18mm / 2.6 x 0.9 x 0.7in
重量	30.2g / 1.06oz
安規認證	
FCC Part15B, FCC Part15C, EN301489-1-17, EN62133, EN60950-1, EN300328, IEC 62471, NCC, TELEC, VCCI, BSMI	
配件	
Mini USB 連接線、手帶	

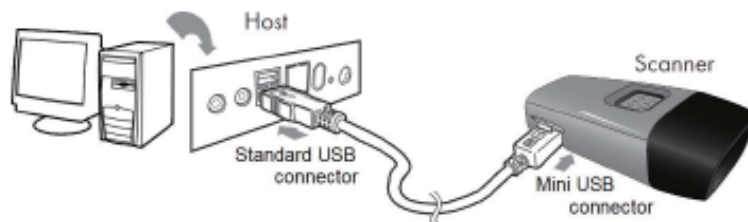
1.4 安裝與連線

將掃描器連線至主控電腦(配對)

請確定您的電腦或智慧型手機具備一個內建的無線網路介面卡；MS912+支援 HID 及 SPP 無線設定檔。如果您是要連線至 iOS (Apple)的智慧型手機，請依照「透過人機介面裝置(HID)模式連線」的說明執行；如果要連線至 Android 智慧型手機，請依照「透過序列埠設定檔(SPP)模式連線」或「人機介面(HID)模式」的說明執行。

注意：Android 2.x 裝置「只能」在 SPP 模式下和 MS912+ 搭配使用。SPP 模式及/或 HID 模式並非與 Android 作業系統的每個版本完全相容，而取決於 Android 裝置製造商所定義之 Android 硬體規格。

1.5 電池充電



1. 翻轉開啟掃描器上的Mini USB連接埠。
2. 將Mini USB接頭插入掃描器上的連接埠，然後將USB A接頭插入主控電腦上的USB連接埠。
3. 請將掃描器充電至少2個小時(直到LED指示燈熄滅為止)。

1.6 掃描器LED和嗶聲說明

掃描器 LED 和嗶聲說明					
		綠色 LED	紅色 LED	嗶聲	備註
掃描器	電源關閉或待命	-	-	-	設定電源關閉逾時時間
	充電中	-	恆亮	-	-
	已中斷連線或可以搜尋	閃爍	-	-	-
	正在初始化	閃爍	閃爍	1 次長嗶聲	-
	開啟電源	-	-	1 次長嗶聲	-
	尚未正確連線的條碼掃描	閃爍	-	1 次嗶聲	-
	掃描條碼成功	1 次閃爍	-	1 次嗶聲	-
	連線成功	-	-	2 次嗶聲	-
	Pin 碼設定失敗	-	閃爍	3 次短嗶聲	掃描[Pin 碼停止]並重試
	低電量	-	閃爍	5 次嗶聲	-
	超出範圍	1 次閃爍	-	4 次嗶聲 (高-低-高-低)	移動靠近主控裝置。

第二章 – 安裝設定

2.1 BT HID

1. 開啟您主控裝置(個人電腦、智慧型手機或平板)上的無線裝置。
2. 按下 MS912+掃描器的掃描鍵 1 秒鐘以啟動。
3. 掃描[Disconnect]條碼。

Disconnect



4. 按下 MS912+掃描器的掃描鍵 1 秒鐘以啟動。
5. 掃描下方的[HID]條碼：

HID



6. 掃描器會發出幾聲短促的嗶聲，然後停止。進行配對程序時，綠色的 LED 燈會持續閃爍。
7. 在您的主控裝置上，位於可以看見藍牙設定和管理連線的設定區段中。
 - a. 您將在藍牙裝置看見列為[Wireless Scanner]的 MS912+。
 - b. 您將在[Pair with this device]看見一則訊息。
 - c. 在您的主機選擇此裝置，然後開始進行配對。
8. 您的主控裝置會要求您輸入一組 Pin 碼。
 - a. 請使用您主控裝置的鍵盤輸入這組 Pin 碼。
 - b. 這組 Pin 碼可以是任何數字的組合。
 - c. 建議您使用 4 位數字。
9. 當您在主控裝置中輸入 Pin 碼後，必須在 MS912+中設定 Pin 碼，才能進行配對。
 - a. 請利用 MS912+掃描下方的 Pincode Start 條碼。

Pincode Start



- b. 請參閱附錄 A 然後掃描與您主控裝置 Pin 碼相同的數字。例如：如果您的 Pin 碼為「241657」，請依序掃描[2] - [4] - [1] - [6] - [5] - [7]：
- c. 掃描下方的[Enter]條碼：

Enter



- d. 掃描[Pincode-Stop]條碼：

Pincode-Stop



- 10. 在您的主控裝置中，您將在[Wireless Scanner]看見[連線中...]的訊息。
- 11. 當該訊息變成[已配對且已連線]時，掃描器將發出 2 次嗶聲證實連線成功，接著您可以開始將條碼日期掃描至您的主控裝置。
 - a. 若要執行測試，請開啟 Word 或記事本，或一封新的電子郵件[可讓您輸入資料的任何應用程式]。
 - b. 掃描本手冊中的數字條碼。
 - c. 該數字應該會出現在您主控裝置開啟的應用程式中。
 - d. 如果沒有出現，請掃描下方的[Disconnect]條碼，然後重複上述的步驟 1 到 9。

注意：若要將掃描器從主機中斷連線，或是切換為另一個無線設定檔，請掃

描[Disconnect]條碼：

Disconnect



掃描[Disconnect]條碼後，MS912+ 會發出 3 次嗶聲。

2.1.1 透過人機介面裝置(HID)模式連線(非Pin碼)

1. 按下 MS912+掃描器的掃描鍵 1 秒鐘以啟動。
2. 掃描[DISCONNECT]

Disconnect



3. 掃描[BT mode - HID non-pincode]；掃描器會發出 8 次嗶聲。

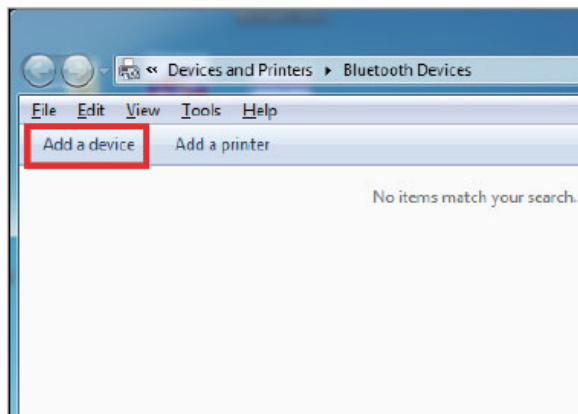
BT mode - HID non-pincode



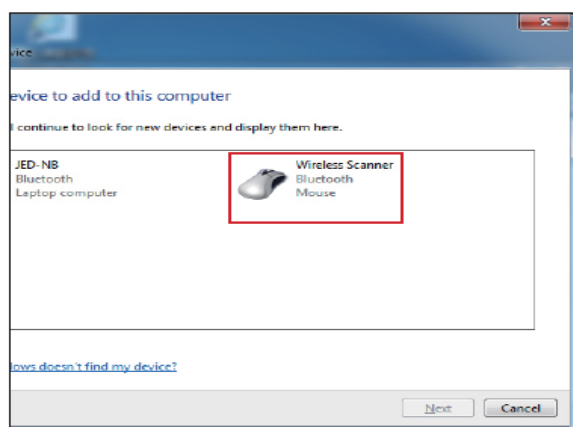
4. 使用您主控電腦的藍牙模組搜尋附近的掃描器。



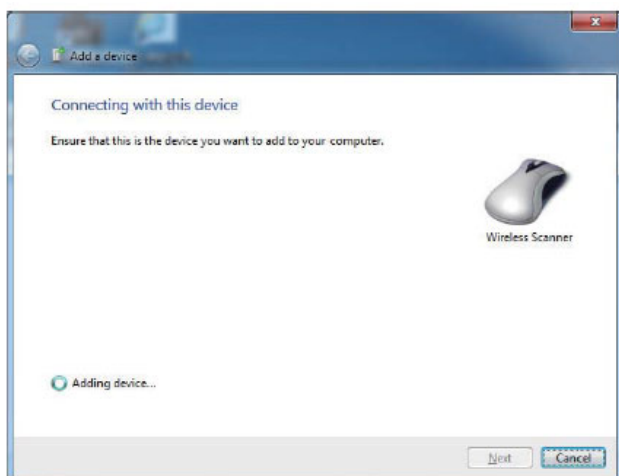
5. 按一下 **Add a device** 來搜尋附近的無線掃描器。



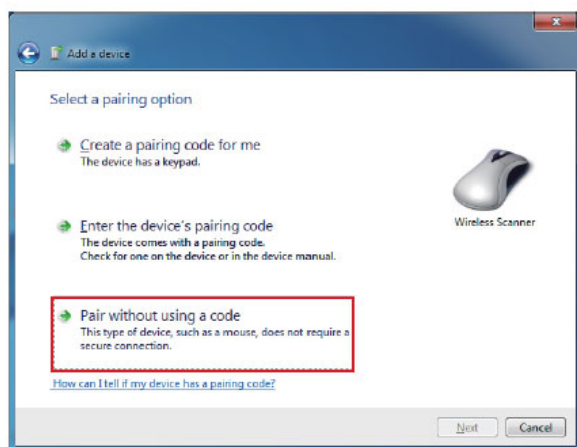
6. 按一下 **Wireless Scanner**，將其新增至電腦。接著請按一下 **Next**。



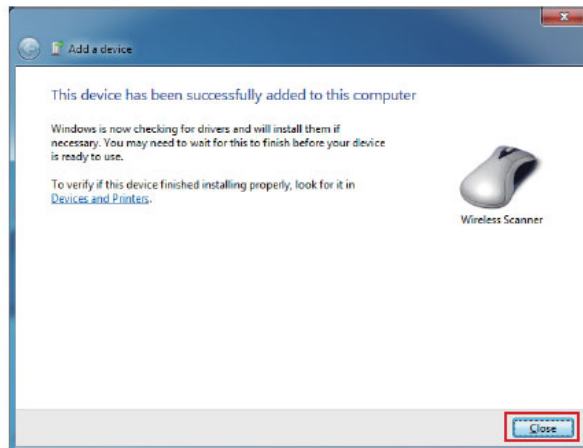
7. 在此步驟中，電腦會連線 Wireless scanner。連線時，請按一下 **Next**。



8. 按一下 **Pair without using a code**。接著請按一下 **Next**。



9. 接著請按一下 **Close**。



10. 您將看見一則訊息，顯示裝置驅動程式軟體已成功安裝。



11. 掃描器將發出 2 次嗶聲，證實已連線。

*注意： 在此模式下，主控裝置會將掃描器識別為滑鼠(指標裝置)。如果您的主控裝置找不到掃描器，請嘗試[Connecting via Human Interface Device (HID) Mode]。

2.2 BT SPP

1. 開啟您主控裝置(個人電腦、智慧型手機或平板)上的無線裝置。
2. 按下 MS912+掃描器的掃描鍵 1 秒鐘以啟動。
3. 掃描[Disconnect]條碼。

Disconnect



4. 掃描下方的 SPP 條碼:

SPP



5. 掃描器將發出多次嗶聲。
6. 請在您的主控裝置上搜尋 MS912+。從探索到的裝置清單中選擇「Wireless Scanner」，掃描器將會發出 2 次嗶聲。
7. 輸入 Pin 碼(預設為「1234」)。
8. 開啟 COM 連接埠(已正確設定)的序列通訊軟體(請參閱裝置管理員)。
9. 掃描器將發出 2 次嗶聲，且 LED 指示燈將熄滅，證實已成功連線。

第三章 一條碼

3.1 所有碼製

啟動	取消
ENABLE ALL CODE	DISABLE ALL CDE
	
CODE 32	CODE 32 *
	
CHINA POSTAL CODE *	CHINA POSTAL CODE
	
UK PLESSEY CODE	UK PLESSEY CODE *
	
INDUSTRIAL 2 OF 5	INDUSTRIAL 2 OF 5 *
	
MATRIX 2 OF 5	MATRIX 2 OF 5 *
	
INTERLEAVED 2 OF 5 *	INTERLEAVED 2 OF 5
	
CODE 128 *	CODE 128
	
CODABAR *	CODABAR
	
TEELEPEN	TELEPEN *
	

啟動	取消
UPC-A *	UPC-A
	
UPC-E *	UPC-E
	
EAN-8 *	EAN-8
	
EAN-13 *	EAN-13
	
MSI	MSI *
	
CODE 39 *	CODE 39
	
CODE 11	CODE 11 *
	
CODE 93	CODE 93 *
	
EAN-128 *	EAN-128
	
IATA	IATA *
	

啟動	取消
GS1 Databar ENABLE	GS1 Databar DISABLE
	
GS1 Databar STACKED ENABLE *	GS1 Databar STACKED DISABLE
	
GS1 Databar LIMITED ENABLE	GS1 Databar LIMITED DISABLE *
	
GS1 Databar EXPANDED ENABLE	GS1 Databar EXPANDED DISABLE *
	
GS1 Databar EXPANDED STACKED ENABLE *	GS1 Databar EXPANDED STACKED DISABLE
	
PDF 417 ENABLE	PDF 417 DISABLE *
	

China postcode (Toshiba code)	
ENABLE *	CDV & SEND CD
	
DISABLE	CDV & NOT SEND CD
	
DISABLE CDV *	MIN LENGTH (11)
	
	MAX LENGTH (48)
	

3.2 MSI / UK Plessey code

MSI	UK PLESSEY CODE
ENABLE	ENABLE
	
DISABLE *	DISABLE
	
CDV & SEND CD*	CDV & SEND CD
	
CDV & NOT SEND CD	CDV & NOT SEND CD *
	
CHECK DIGIT DOUBLE MOD 10	
	
CHECK DIGIT DOUBLE 11 PLUS MOD 10	
	
CHECK DIGIT SINGLE MOD 10*	
	
MIN LENGTH [6]	
	
MAX LENGTH [48]	
	

3.3 Code93 / Telepen / IATA

CODE 93	TELEPEN	IATA
ENABLE	ENABLE TELEPEN	ENABLE
		
DISABLE *	DISABLE TELEPEN*	DISABLE *
		
MIN LENGTH [6]	TELEPEN ASCII	DESABLE CDV *
		
MAX LENGTH [48]	TELEPEN NUMBER	CDV & SEND CD
		
		CDV & NOT SEND CDV
		
		MIN LENGTH [6]
		
		MAX LENGTH [48]
		

3.4 Interleaved 2 of 5 / Code 11

INTERLEAVED 2 OF 5	CODE 11
ENABLE*	ENABLE
	
DISABLE	DISABLE*
	
DISABLE CDV*	DISABLE CDV *
	
CDV & SEND CD	CDV & SEND CD
	
CDV & NOT SEND CDV	CDV & SEND CDV (1DIGIT)
	
First digit suppressed	CDV & SEND CDV (2DIGIT)
	
Last digit suppressed	CDV & NOT SEND CD
	
NO suppressed *	MIN LENGTH [6]
	
MIN LENGTH [6]	MAX LENGTH [32]
	
MAX LENGTH [48]	
	

3.5 Industrial 2 of 5 / Matrix 2 of 5

INTERLEAVED 2 OF 5	CODE 11
ENABLE	ENABLE
	
DISABLE*	DISABLE*
	
DISABLE CDV*	DISABLE CDV*
	
CDV & SEND CD	CDV & SEND CD
	
CDV & NOT SEND CDV	CDV & NOT SEND CDV
	
MIN LENGTH [6]	MIN LENGTH [6]
	
MAX LENGTH [48]	MAX LENGTH [48]
	

3.6 Codabar

CODEBAR	START / STOP	CLSI FORMAT
ENABLE *	ST/SP: abcd/abcd	CLSI- Enable library space insertion. If you enable the CLSI format, this option inserts spaces in position 2, 7, 13 of the data string for use in library systems.
		
DISABLE	ST/SP: ABCD/ABCD *	CLSI FORMAT ON
		
DESABLE CDV*	ST/SP:ABCD/TN*E	CLSI FORMAT OFF
		
CDV & SEND CD	ST/SP: abcd/tn*e	
		
CDV & NOT SEND CD	SEND START / STOP *	
		
MIN LENGTH [6]	Not Send START /STOP	
		
MAX LENGTH [48]	Example of ST (Start) / SP (Stop) 123456 Not Transmit ST/SP A123456B ST/SP: ABCD/ABCD a123456b ST/SP: abcd/abcd A123456N ST/SP: ABCD/TN*E a123456n ST/SP: abcd/tn*e	
		

3.7 ABC Codabar, CX Codabar

ABC- CODABAR	CX CODE- CODABAR
ON	ON
	
OFF*	OFF*
	
◆SET INSERT DATA	◆SET INSERT DATA
	
INSERT DATA-ON	INSERT DATA-ON
	
INSERT DATA-OFF	INSERT DATA-OFF
	

3.7.1 CODABAR COUPLING

CODABAR COUPLING		
ON	OFF*	◆SET INSERT DATA
		
INSERT DATA-ON	INSERT DATA-OFF	
		
ADJACENT REQUIRED		
ON	OFF*	
		
設定步驟 – SET INSERT DATA		
步驟 1 – 掃描: Scan SET INSERT DATA.		
步驟 2 - 掃描任一 FULL ASCII Table.請參考附錄 B		
步驟 3 - 掃描 SET INSERT DATA.		
RESET	P023\$ 	
注意	1. 如果掃描器發出 3 次嗶聲，其為設定更新未完成的警示。 2. 如果您在嘗試更新掃描器設定時發生錯誤，例如不小心掃描到錯誤的條碼，或是忘記操作步驟，請掃描上方的[RESET]條碼重新開始掃描程序。	

3.8 Code 39 (Full ASCII/Standard) / Code 32

STANDARD CODE 39 & FULL ASCII 39	
ENABLE *	DISABLE
	
FULL ASCII CODE39 ENABLE *	FULL ASCII CODE39 DISABLE
	
START / STOP –SEND	DESABLE CDV *
	
CDV & SEND CD	CDV & NOT SEND CD
	
MIN LENGTH [1]	MAX LENGTH [48]
	
START / STOP NOT SEND *	
	
CODE 32	
ENABLE	DISABLE *
	
LEADING SEND *	LEADING NOT SEND
	
TAILING SEND *	TAILING NOT SEND
	

3.9 UPC-E

UPC-E	
ENABLE*	DISABLE
	
LEAD DIGIT SEND*	LEAD DIGIT NO SEND
	
CHECK DIGIT SEND*	CHECK DIGIT NO SEND
	
ADD ON SUPPLEMENT	
+5 ON	+5 OFF*
	
+2 ON	+2 OFF*
	
ADD A SPACE ON	ADD A SPACE OFF*
	
ADDENDA REQUIRED ON	ADDENDA REQUIRED OFF
	

3.10 UPC-E(0)&(1) / UPC-E EXPAND

UPC-E0	
E [0] OFF	E (0) ON *
	
E [1] ON	E (1) OFF *
	
UPC-E EXPAND TO UPC-A	
ENABLE	DISABLE *
	

3.11 UPC-A

UPC-A	
ENABLE *	DISABLE
	
LEAD DIGIT SEND *	LEAD DIGIT NO SEND
	
CHECK DIGIT SEND *	LEAD DIGIT NO SEND
	
UPC-A EXPAND TO EAN-13	
ENABLE	DISABLE *
	
ADD ON SUPPLEMENT	
+5 ON	+5 OFF *
	
+2 ON	+2 OFF *
	
ADD A SPACE ON	ADD A SPACE OFF *
	
ADDENDA REQUIRED ON	ADDENDA REQUIRED OFF
	

3.12 EAN-8

EAN-8	
ENABLE*	DISABLE
	
LEAD DIGIT SEND*	LEAD DIGIT NO SEND
	
CHECK DIGIT SEND*	LEAD DIGIT NO SEND
	
ADD ON SUPPLEMENT	
+5 ON	+5 OFF*
	
+2 ON	+2 OFF*
	
ADD A SPACE ON	ADD A SPACE OFF*
	
ADDENDA REQUIRED ON	ADDENDA REQUIRED OFF
	

3.13 EAN-13 / ISSN / ISBN / ISMN

EAN-13	
ENABLE*	DISABLE
	
LEAD DIGIT SEND*	LEAD DIGIT NO SEND
	
CHECK DIGIT SEND*	CHECK DIGIT NO SEND
	
ADD ON SUPPLEMENT	
+5 ON	+5 OFF*
	
+2 ON	+2 OFF*
	
ADD A SPACE ON	ADD A SPACE OFF*
	
ADDENDA REQUIRED ON	ADDENDA REQUIRED OFF*
	

ISBN	
ISBN OFF*	ISBN ON
	
ISSN	
ISSN OFF*	ISSN ON
	
ISMN	
ISMN OFF*	ISMN ON
	

3.14 EAN & UCC128/Code 128

EAN / UCC-128					
ENABLE*	DISABLE				
					
CODE ID ENABLE	CODE ID DISABLE*				
					
FUNC 1 CHAR SEND	FUNC 1 CHAR NOT SEND *				
					
DEFINE EAN 128					
					
String format :					
<table><tr><td>JC1</td><td>DATA CHARACTERS</td><td><GS></td><td>DATA CHARACTERS</td></tr></table>		JC1	DATA CHARACTERS	<GS>	DATA CHARACTERS
JC1	DATA CHARACTERS	<GS>	DATA CHARACTERS		
設定步驟:					
1: 掃描 DEFINE EAN128.					
2: 掃描 ASCII Code 請參閱附錄 B					
3: 掃描 DEFINE EAN128.					
CODE 128					
ENABLE*	DISABLE				
					
MIN LENGTH [5]	MAX LENGTH [48]				
					

3.15 DataBar (RSS)

GS1 DataBar (RSS) – OMNI & STACKED	
GS1 DataBar ENABLE	GS1 DataBar DISABLE*
GS1 DataBar CHECK DIGIT SEND	GS1 DataBar CHECK DIGIT NOT SEND*
GS1 DataBar PREFIX SEND	GS1 DataBar PREFIX NOT SEND*
GS1 DataBar STACKED ENABLE *	GS1 DataBar STACKED DISABLE
GS1 Databar SET ID	
GS1 DataBar (RSS) – LIMITED	
GS1 DataBar LIMITED ENABLE	GS1 DataBar LIMITED DISABLE*
GS1 DataBar LIMITED CHECK DIGIT SEND	GS1 DataBar LIMITED CHECK DIGIT NOT SEND*
GS1 DataBar LIMITED PREFIX SEND	GS1 DataBar LIMITED PREFIX NOT SEND *
GS1 DataBar LIMITED SET ID	

GS1 DataBar (RSS) - EXPANDED	
GS1 DataBar EXPANDED ENABLE	GS1 DataBar EXPANDED DISABLE*
	
GS1 DataBar EXPANDED STACKED ENABLE*	GS1 DataBar EXPANDED STACKED DISABLE
	
GS1 DataBar EXPANDED MIN LENGTH	GS1 DataBar EXPANDED MAX LENGTH
	
GS1 DataBar EXPANDED SET ID	
	

第四章 – 偏好設定

4.1 系統設定

恢復原廠設定
◆Reset to factory default

檢查版本
◆Check firmware version

重設/ ABORT
◆Abort multi-step configuration

設定 CODE READ
SETUP CODE ON *

SETUP CODE OFF


4.2 BT Pairing

4.2.1 Interface

CODABAR COUPLING	
Batch Mode	
USB-HID	
USB-VCP	

MODE	Interface	Auto Mode	Batch Mode	Ez Utility
WIRELESS	BT HID	V		
	BT SPP	V		
Tethered	Batch Mode		V	
	USB HID			V
	USB VCP			V

4.2.2 藍牙連線

BT mode – HID



1. 按住trigger鍵維持1秒以啟動裝置。
2. 掃描 **[DISCONNECT]**
3. 掃描 **[BT mode-HID]**; 掃描器會發出幾聲嗶聲。
4. 請在您的主控裝置上搜尋MS912+。從探索到的裝置清單中選擇「Wireless Scanner」，(PC裝置, 請選擇 “Create a pairing code for me”)
5. 藍牙應用程式將提示您輸入一組隨機Pin碼。
6. 請參考下一頁的 **PINCODE SETUP**
7. 掃描器將發出2次嗶聲，證實已連線成功。

BT mode - SPP



1. 按住trigger鍵維持1秒以啟動裝置。
2. 掃描 **[DISCONNECT]**
3. 掃描 **[BT mode -SPP]**; 掃描器會發出幾聲嗶聲。
4. 請在您的主控裝置上搜尋MS912+。從探索到的裝置清單中選擇「Wireless Scanner」(PC裝置, 請選擇“Enter the device’s pairing code”)
5. 輸入Pin碼 (預設為「1234」)。
6. 開啟 COM 連接埠(已正確設定)的序列通訊軟體。
7. 掃描器將發出2次嗶聲，證實已連線成功。

BT mode - HID non-pincode



1. 按住trigger鍵維持1秒以啟動裝置。
2. 掃描 **[DISCONNECT]**
3. 掃描 **[BT mode - HID non-pincode]**; 掃描器會發出幾聲嗶聲。
4. 請在您的主控裝置上搜尋MS912+。從探索到的裝置清單中選擇「Wireless Scanner」，(PC裝置, 請選擇“Pair without using a code.”)
5. 掃描器將發出2次嗶聲，證實已連線。

注意: 在此模式下，主控裝置會將掃描器識別為滑鼠(指標裝置)。如果您的主控裝置找不到掃描器，請嘗試[BT mode -HID]。

Disconnect



4.2.2.1 Pincode 設定

STEP 1 Pincode Start	
STEP 2 數字表 (請參閱附錄A)	
STEP 3 Enter	
STEP 4 Pincode Stop	

4.2.2.2 連線至 iOS & Android

連線至 - iOS (Apple)

請參照 [BT mode - HID]. 因 Apple 裝置不需要 pincode 來連線，所以請忽略步驟 5&6.

觸控式鍵盤

若要切換 iPhone/iPad 觸控式鍵盤，請掃描下方的條碼，或只要按兩下掃描鍵。

ENABLE iOS HOTKEY	DISABLE IOS HOTKEY
	

4.2.2.3 設定藍牙裝置ID

若要為無線掃描器自訂您的藍牙裝置(MS912+)名稱，請依照下列步驟執行

步驟 1 掃描 Default Wireless ID 條碼	
步驟 2 掃描 Set Wireless ID 條碼	
步驟 3 掃描附錄 B Full ASCII Chart 中的英數字元。	
步驟 4 掃描 設定無線 ID 條碼	
步驟 5 掃描所需的BT模式條碼(SPP或HID)以執行連線。	
*注意： 1. 如果您在自訂您的藍牙裝置名稱「之前」，就已經透過主控裝置連線掃描器，請移除該裝置並建立一個新的連線，以確定裝置名稱已重新整理。若主控裝置為電腦，建議您重新啟動藍牙介面卡，以重新整理裝置名稱。 2. 在步驟 3 中，如果輸入超過 7 個字元，掃描器將發出 3 次嗶聲做為警示。	

4.2.2.4 Set Pincode

By default, the pincode under SPP profile for eh scanner is "1234" You may customize this pincode with bellows steps:

STEP 1 Set SPP Pincode	
STEP 2 Scan numeric barcodes (see Appendix A) Up to 8 numbers can be set as SPP pincode	
STEP 3 Set SPP Pincode	
STEP 4 Scan a desired BT mode in BLUETOOTH PROFILE (4.2.2) to Complete the configuration.	

4.2.2.5 SPP Master Mode

First, please generate one configuration barcode for the target SPP slave device in below methods:

1. The barcode must be Code 39 with no checksum
2. Barcode data format: LTB + Target MAC address

For example, the target SPP slave device's MAC address is 001583522C3B.

Please encode:

LTB001583522C3B in Code39 barcode.

Then, follow below steps to create connection:

STEP 1 SPP-Master	
STEP 2	

4.2.2.6 Remote Control

SPP REMOTE CONTROL

There are two ways to verify connection status by the host under SPP Profile.

Command Response

Host sends:	CR,LF,{A,L},CR,LF	(8 bytes)
Scanner replys:	O,K,CR,LF	(4 bytes)

Beeper Response

Host sends:	CR,LF,{M,1},CR,LF	(8 bytes)
Scanner replys:	a short beep	

SHUT DOWN

This configuration barcode will shut down the scanner immediately but still reserve the pairing record.

SHUT DOWN	
-----------	---

DISCONNECTION

DISCONNECT (CLEAR PAIRING RECORD)	
DISCONNECT (KEEP PAIRING RECORD)	

4.3 Output data transmit

4.3.1 Auto mode

Auto mode

ENABLE	DISABLE
	

When out of range, the scanner will temporarily keep scanned data in its memory buffer (2K RAM) until the buffer is full. When back in range, the scanner will send all stored data back to the host.

NOTE: Auto mode will not function when Batch Mode is enabled, or no connection is made beforehand.

BINARY CHECK CHARACTER

ENABLE	DISABLE
	

Once enabled, a checksum will be added to the end of each data to conduct Xor calculation. For Bluetooth SPP & USB-VCP, the BCC is 1 byte. For Bluetooth HID, the BCC are 2 bytes.

Example:

The barcode data is "TEST" with terminator <CR><LF>

1. Bluetooth SPP & USB-VCP:

Data Format = <T> + <E> + <S> + <T> + <CR> + <LF> + <BCC>. BCC =
 $54h \wedge 45h \wedge 53h \wedge 54h \wedge 0Dh \wedge 0Ah = 11h$

2. Bluetooth HID:

Data Format = <T> + <E> + <S> + <T> + <Enter> + <BCC> BCC = $54h \wedge 45h \wedge 53h \wedge 54h \wedge E7h = F1h$

However, since control character cannot be displayed in Bluetooth HID, BCC will be converted into 2 bytes of characters.

As a result, the data will be: TEST + <Enter> + F + 1

4.3.2 Batch mode

Batch mode	
------------	--

After scanning the above barcode, the scanner will be able to collect barcode data off-line. The barcode data will be stored in the format of:

< Date >, < Time >, < Barcode Data > < CR >

To retrieve stored data, please connect the scanner to the host with cable, access removable storage device “MiniScan” from which you may open or copy the file “BARCODE.txt” to your computer.

To delete ONE stored data, please scan below barcode :

DELETE LAST DATA	
------------------	--

To delete ALL stored data, simply delete the file “BARCODE.txt” in the removable storage device “MiniScan” until you hear two beeps.

4.3.2.1 Batch mode - Data Format /

Date & Time Setup

DATA FORMAT



注意：[僅支援記憶體版本]

預設的資料格式為<日期>、<時間>，下方的<條碼資料>為項目及其設定代碼：

代碼	項
2	日期
3	時間
4	條碼資料

例如：

若要將資料格式變更為<條碼資料>、<日期>、<時間>

1. 請掃描[**Date Format**]
2. 掃描第[4], [2], [3]，請參閱附錄 A
3. 請掃描[**Date Format**]

FIELD SEPARATOR



預設為逗號(,)。您可以利用使用手冊完整 ASCII 表中的任何英數字元來取代此符號。

例如：將欄位分隔符號變更為分號(;)。

1. 掃描[**Field Separator**]
2. 掃描完整 ASCII 表中的[;]。
3. 掃描[**Field Separator**]

日期時間設定

日期設定

注意：[僅支援記憶體版本]



例如：若要將日期設定為 2012-08-01 (年-月-日)：

1. 掃描[Set Date]
2. 請參閱附錄 A 的[1]、[2]、[0]、[8]、[0]、[1]。
3. 掃描[Set Date]

時間設定



例如：若要將時間設定為 08:10:30 am (小時：分鐘：秒)

1. 掃描[Set Date]
2. 請參閱附錄 A 的[0]、[8]、[1]、[0]、[3]、[0]。
3. 掃描[Set Date]

* 若要避免電池電力用盡導致時間與日期重設為原廠預設值，請在使用前至少充電3個小時，以充飽掃描器的電力。

DATE FORMAT



注意：[僅支援記憶體版本]

預設的日期格式為 DD/MM/YYYY (Code = 09)，以下是可用格式及其設定代碼的完整清單：

代碼	項目	代碼	項目
01	DD-MM-YYYY	09	DD/MM/YYYY
02	MM-DD-YYYY	10	MM/DD/YYYY
03	DD-MM-YY	11	DD/MM/YY
04	MM-DD-YY	12	MM/DD/YY
05	YYYY-MM-DD	13	YYYY/MM/DD
06	YY-MM-DD	14	YY/MM/DD
07	DD-MM	15	DD/MM
08	MM-DD	16	MM/DD

例如：

若要將日期格式設定為 MM/DD/YY (Code = 12)

1. 掃描[Date Format]
2. 請參閱附錄 A 的[1]、[2]。
3. 掃描[Date Format]

TIME FORMAT



注意：[僅支援記憶體版本]

預設的 Time Format 為 HH:MM:SS (Code = 01)，以下是可用的格式及其設定代碼：

代碼	項目	代碼	項目
01	HH:MM:SS	02	HH:MM

例如：

若要將時間格式設定為 HH:MM (Code = 02)

1. 掃描[Time Format]
2. 請參閱附錄 A 的[0]、[2]。
3. 掃描[Time Format]

4.4 BT Config

4.4.1 Inter-block and Inter-character Delay

INTERBLOCK DELAY	INTERCHARACTER DELAY
0mS 	140uS 
10mS 	500uS 
50mS 	1mS 
100mS 	4mS 
200mS 	16mS 
500mS 	

4.4.2 Caplock Mode / Numeric Key

INTERBLOCK DELAY	INTERCHARACTER DELAY
CAPLOCK ON	NUMERIC KEY
	
CAPLOCK OFF *	ALPHANUMERIC KEY *
	
CAPLOCK FREE	
	

4.4.3 KEYBOARD LAYOUT

KEYBOARD LAYOUT	
ENGLISH (USA) *	SWISS (GERMAN)
	
ENGLISH (UK)	SWISS (FRENCH)
	
FRENCH	JAPAN (106KEY)
	
GERMAN	CANDIAN (FRENCH)
	
ITALIAN	CANADIAN (TRADITIONAL)
	
SPANISH	NORWEGIAN
	
CZECH (QWERTY)	SWEDISH
	
CZECH (QWERTZ)	PORTUGUESE
	
HUNGARIAN (QWERTZ)	BELGIAN (AZERTY)
	

KEYBOARD LAYOUT	
HUNGARIAN (101 KEY)	DUTCH
	
DANISH	BRAZILIAN (PORTUGUESE)
	
SLOVAK	ALT CODE
	

4.5 Beep tone, Terminator

BEEP TONE 2.7KHz Buzzer	TERMINATOR
BEEP OFF	NONE
	
BEEP HIGH	LF
	
BEEP HIGH-LOW	CR *
	
BEEP MEDIUM *	CR+LF *
	
BEEP LOW-HIGH	TAB
	
BEEP LOW	SPACE
	
	ESC
	

4.6 掃描模式

4.6.1 Trigger mode *



4.6.2 Continuous mode



4.6.3 Continuous Auto off



4.6.4 Flash mode



4.6.5 Toggle mode



4.7 條碼長度設定,同步碼，後同步碼

條碼長度設定	同步碼(字首)和後同步碼(字尾)：
SEND DATA LENGTH ON	CLEAR PRE / POSTAMBLE
	
SEND DATA LENHHTH OFF *	PREAMBLE (16)
	
	POSTAMBLE (16)
	

例如：

將同步碼字串設定為「##」

後同步碼字串設定為「\$\$」

設定程序：

步驟1：掃描：CLEAR PRE/ POSTAMBLE

步驟2：掃描：PREAMBLE.

步驟3：附錄 B 完整 ASCII 表中的「#」兩次。

步驟4：掃描：PREAMBLE.

步驟5：掃描：POSTAMBLE.

步驟6：掃描：附錄 B 完整 ASCII 表中的「\$」兩次。

步驟7：掃描：後同步碼。

DATA FORMAT:

[Preamble] [Symbology ID] [Barcode Length] [Barcode Data] **[Postamble]**
[Terminator]

格式：

{Preamble} {Code ID}{Bar Code }{Postamble}

注意：

1. 同步碼是一個多達 16 個字元的字串，會新增至掃描條碼的開頭。
2. 後同步碼是一個多達 16 個字元的字串，會新增至掃描條碼的結尾。
3. 兩者的預設值：無。

4.8 精確度調整

精確度調整	
	
精確度調整可確保解碼輸出更為可靠。啟用此功能並設定 1 到 9 的數字，可以提高解碼輸出的精確度標準。數字越大，精確度越高。 步驟 1 掃描精確度調整。 步驟 2 從附錄 A 中掃描一個數元(1 到 9)。 步驟 3 掃描精確度調整	
RESET	P023\$ 
注意：	1. 掃描器將發出 3 次嗶聲，提醒設定尚未完成。 2. 如果設定發生錯誤，或是忘記設定步驟等，請掃描 RESET 即可再次開始。

4.9 關機設定

時間設定 (預設值: 3分鐘)

分鐘設定 (範圍: 00 ~ 60)	
秒數設定 (範圍: 00 ~ 60)	

例子: 設定5分鐘30秒關機

1. 掃描 [Set Minute]
2. 掃描 [0] & [5] , 請參閱附錄A
3. 掃描[Set Minute]
4. 掃描[Set Second]
5. 掃描 [3] & [0] , 請參閱附錄A
6. 掃描[Set Second]

取消關機 (維持待機)

DISABLE TIMEOUT	
-----------------	--

附錄 A – 數字條碼

FULL ASCII (Code 39) NUMERIC TABLE	
1 	2 
3 	4 
5 	6 
7 	8 
9 	0 
最小/最大長度 設定程序	
步驟 1—掃描：最小/最大長度 步驟 2—掃描：附錄中的兩個數元 步驟 3—掃描：最小/最大長度 請注意，如果已啟用最小長度及/或最大長度，掃描器將只讀取條碼長度符合這些長度參數的條碼。掃描器將不會讀取比指定長度更短或更長的條碼。其預設長度位於每個碼制最小和最大條碼的括號內。	
RESET	P023\$ 
備註:	1. 若聽到嗶聲三聲，則表示設定未完成。 2. 若想重新設定，請掃上方條碼 RESET 以重新開始。.

附錄 B – Full ASCII Table (Code39)

CONTROL CODES

NUL



BS



SOH



HT



STX



LF



ETX



VT



EOT



FF



ENQ



CR



ACK



SO



BEL



SI



CONTROL CODES

DLE



EM



DC1



SUB



DC2



ESC



DC3



FS



DC4



GS



NAK



RS



SYN



US



ETB



SP



CAN



SYMBOLS

+



#



-



^



.



~



\$



&



%



*



/



-



\



=



!



|



@



SYMBOLS

{		,	
}		"	
[		'	
]		,	
(		;	
)		:	
<		?	
>		DEL	

UPPER CASE ALPHABETS

A



H



B



I



C



J



D



K



E



L



F



M



G



N



UPPER CASE ALPHABETS

O



U



P



V



Q



W



R



X



S



Y



T



Z



LOWER CASE ALPHABETS

a



h



b



i



c



j



d



k



e



l



f



m



g



n



LOWER CASE ALPHABETS

o



u



p



v



q



w



r



x



s



y



t



z



FUNCTION KEYS FOR PC-AT

F1



F9



F2



F10



F3



F11



F4



F12



F5



Home



F6



End



F7



**Enter
(Numeric
Key)**



F8



App



NAVIGATION KEYS

Cursor Right



Back Tab



Cursor Left



Esc



Cursor Up



Enter



Cursor Down



BS



Page Up



Ins



Page Down



Del



Tab



MODIFIER KEYS



Alt (Left) make*1



Alt (Left) break



Alt (Right) make



Alt (Right) break



Shift (Left) make *2



Shift (Left) break



Shift (Right) make



Shift (Right) break



Win (Left) make



Win (Left) break



Win (Right) make



Win (Right) break



Ctrl (Left) make *3



Ctrl (Left) break



Ctrl (Right) make



Ctrl (Right) break

For UK Keyboard Special Character



⏏



£

注意：

- *1. 已設定「Alt(left)Make」。請掃描「Alt(left)Break」繼續設定條碼。
- *2. 已設定「Shift(left)Make」。請掃描「Shift(left)Break」繼續設定條碼。
- *3. 已設定「Ctrl(left)Make」。請掃描「Ctrl(left)Break」繼續設定條碼。

附錄 C – 預設表

GROUP	PARAMETER	DEFAULT
1	Computer Type	PC-AT
	Interface	(depends on customer order)
	Setup Code	On
2	Reading Mode	Trigger
2.2	Bi-color Light Source	Green > Red
2.3	Magnetic Switch	On
	Green LED/ Supplement Light (CCD Scanner)	On
2.4	Deactivation Time (CCD & Laser Scanner)	3 Sec
	Same Code Interval (Laser Scanner)	30 Sec
	Idle Mode	Off
	Pre-Idle Time	1 Min
2.5	Connection Options	BT HID
2.6	Wireless ID	Wireless Scanner
2.7	Power Off Timeout	3 Min
2.8	SSP (Secure Simple Pairing)	Disable
	iOS Hotkey	Disable
2.9	Link Quality	Disable
	Batch Mode	Disable
2.10	SPP Pincode	1234
2.11	Data Format	<Barcode Data>
	Field Separator	,
2.12	Date Format	DD/MM/YYYY
	Time Format	HH:MM:SS

GROUP	PARAMETER	DEFAULT
3	Beep Tone Mode 2.1k	Beep Medium
	Beep Tone Mode 2.7k	Beep Medium
	Terminator	CR(KB, USB); CR+LF (RS232)
4	Send Data Length	Off
	Preamble & Postamble	None
5	Accuracy Adjustment	0
6	Label Type Positive/ Negative	Disable
6~9	Enable & Disable Code ID	Off
10	Interblock Delay	0ms
	Intercharacter Delay	140us
11	Keyboard Layout	English(USA)
	Caplock	Off
	Numeric Key	Alphanumeric Key
12	Baud Rate	9600
	Data Bits & Parity	8 Bits None
13	Stop Bits	1 stop bit
	Handshaking	None
	ACK/NAK	Off
	Flow Control Timeout	1 Sec
	BCC	Off
14	Level duration of Mini Width	200us
	Polarity of Idle Condition	High
	Output of Wand Emulation	Bar High/ Space Low
	Wave Form	Full ASCII 39
	Idle Mode	Off
	Pre-Idle Time	1 Min
15	Enable and Disable Symbolologies	
	Code 32	Disable
	China Postal Code	Enable
	UK Plessey Code	Disable
	Industrial 2 of 5	Disable
	Matrix 2 of 5	Disable
	Interleaved 2 of 5	Enable
	Code 128	Enable
	Codabar	Enable
	Telepen	Disable

GROUP		PARAMETER	DEFAULT
16		UPC-A	Enable
		UPC-E	Enable
		EAN-8	Enable
		EAN-13	Enable
		MSI	Disable
		Code 39	Enable
		Code 11	Disable
		Code 93	Disable
		EAN-128	Enable
		IATA	Disable
17	1	GS1 Databar	Disable
		GS1 Databar Stacked	Enable
		GS1 Databar Limited	Disable
		GS1 Databar Expanded	Disable
		GS1 Databar Expanded Stacked	Enable
		PDF417	Disable
	2	China Post Code	
		Enable/Disable	Enable
		Check Digits	Disable CDV
		Min Length	11 digits
		Max Length	48 digits
18	1	MSI	
		Enable/Disable	Disable
		Check Digits	CDV & send CD
		Check Digits Mode	18 Single MOD 10
	2	UK Plessy	
		Enable/Disable	Disable
		Check Digits	CDV & not send CD

GROUP		PARAMETER	DEFAULT
19	1	Code 93	
		Enable/Disable	Disable
		Min Length	6 digits
		Max Length	48 digits
	2	Telepen	
		Enable/Disable	Disable
		Telepen ASCII/ Number	Number
	3	IATA	
		Enable/Disable	Disable
		Check Digits	Disable CDV
		Min Length	6 digits
		Max Length	48 digits
20	1	Interleaved 2 of 5	
		Enable/Disable	Enable
		Check Digits	Disable CDV
		First/ last digit suppressed	No suppressed
		Min Length	6 digits
		Max Length	48 digits
	2	Code II	
		Enable/Disable	Disable
		Check Digits	Disable CDV
		Min Length	6 digits
		Max Length	32 digits
21	1	Industrial 2 of 5	
		Enable/Disable	Disable
		Check Digits	Disable CDV
		Min Length	6 digits
		Max Length	48digits
	2	Matrix 2 of 5	
		Enable/Disable	Disable
		Check Digits	Disable CDV
		Min Length	6 digits
		Max Length	48digits

GROUP		PARAMETER	DEFAULT
22	Codabar		
	Enable/Disable		Disable
	Check Digits		Disable CDV
	Min Length		6 digits
	Max Length		48digits
	ST/SP; Abcd/abcd, abcd/tn*c, ABCD/ABCD,ABCD/TN*C		ABCD/ABCD
	Start(ST)/Stop(SP)		Send
	CLSI Format		On
23	1	ABC-Codabar	
		ON/OFF	Off
		Insert Data	Off
	2	CX-Codabar	
		ON/OFF	Off
		Insert Data	Off
24	Codabar-Coupling		
	ON/OFF		Off
	Insert Data		Off
	Adjacent Required		Off
25	1	Code 39	
		Full ASCII 39 Enable/Disable	Enable
		Check Digits	Disable CDV
		Start/Stop	Not Send
		Min Length	1 digit
		Max Length	48 digits
	2	Code 32	
		Enable/Disable	Disable
		Leading	send
		Tailing	send

GROUP	PARAMETER	DEFAULT
26	UPC-E	
	Enable/Disable	Enable
	Check Digits	Send
	Lead Digits	Send
	Add a space	Off
	Addenda required	Off
	+5 On/Off	Off
	+2 On/Off	Off
27	UPC-E systems number	
	UPC E(0) On/Off	On
	UPC E(1) On/Off	Off
	UPC-E expand to UPC-A	Disable
	UPC-A expand to EAN-13	Disable
28	UPC-A	
	Enable/Disable	Enable
	Check Digits	Send
	Lead Digits	Send
	Add a space	Off
	Addenda required	Off
	+5 On/Off	Off
	+2 On/Off	Off
29	EAN-8	
	Enable/Disable	Enable
	Check Digits	Send
	Lead Digits	Send
	Add a space	Off
	Addenda required	Off
	+5 On/Off	Off
	+2 On/Off	Off

GROUP		PARAMETER	DEFAULT
30	EAN-13		
	Enable/Disable		Enable
	Check Digits		Send
	Lead Digits		Send
	Add a space		Off
	Addenda required		Off
	+5 On/Off		Off
	+2 On/Off		Off
	ISSN On/Off		Off
	ISBN		Off
31	1	EAN/UCC128	
		Enable/Disable	Enable
		Code ID	Disable
		Func 1 Char Send	Not Send
	2	Code128	
		Enable/Disable	Enable
		Check Digits	Disable CDV
		Min Length	5 digits
		Max Length	48 digits
	3	PDF417	
		Enable/Disable	Disable
32	GS1 Databar		Disable
	GS1 Databar Check Digit		Not Send
	GS1 Databar Prefix		Not Send
	GS1 Databar Stacked		Enable
	GS1 Databar Limited		Disable
	GS1 Databar Limited Check Digit		Not Send
	GS1 Databar Limited Prefix		Not Send
	GS1 Databar Expanded		Disable
	GS1 Databar Expanded Stacked		Enable