

Wireless Scanning and Payment All-in-One Device

User 's manual

BROCHURE

Precautions

1. Please read the user manual carefully before using this barcode scanner.
2. The working voltage of this barcode scanner is 3.3V, charging voltage 5V.
Please use our original USB cable and AC power adapter to ensure the scanner is working properly.
3. Copyright and Patent Notice Our company reserves the copyright, software copyright and sufficient patents of the barcode scanner and its accessories (including firmware, MR Configurator, illustration documents, appearance and so on.)
4. Our company reserves all rights -reserves the right to make any changes to the product to improve its reliability, function or design. Our company shall not be liable for applications or use of any product or circuit with our scanner, or any liability arising therefrom or in connection with any other applications described herein.
5. Our wireless barcode scanner accessories:
A: standard package: : barcode scanner (1 piece), Mini Receiver (1 piece), Pedestal ,USB cable (1 piece), user manual (1 piece).
Option: vibration.
6. The contents of this manual are subject to change without prior notice.

Contents

1.Notice.	1
2.Introduction & Features.....	3
3.Application & Execution Standards.....	4
4.Working Conditions& Related regulations.....	5
5.Appearance.....	6
6.How to use the barcode scanner.....	7-8
7.Reset Configuration to Defaults&Version information	9
8.Pair with bluetooth.....	9
9.Pull up and Hide iOS Keyboard&Caps Lock.....	10
10.Pair with pedestal.....	11
11.Sound and Vibration Setting.....	12
12.Standby Time Setting.....	13
13.Language Settings.....	14
14. End Character Setting.....	15
15.Transmission Speed Setting and Bluetooth protocol.....	16
16.Operating Mode.....	17-18
17.Bluetooth Name Change Setting.....	19
18.Hide front and back characters.....	20-21
19.Set Prefix and Suffix.....	22
20.Appendix A.....	23-33
21.FAQ(Frequently Asked Questions).....	34
22.Buzzer and Indicator Light State.....	35
23.Electric Quantity Display	

Introduction

The series of barcode scanner produced by our company feature as strong light source, enhanced long-distance scanning technology. It can read the damaged, stained and poor printed barcode fast under different ambient light conditions. It is durable in use, since it is protected by the industrial safety technique. High volume buzzer is another hint of success scanning besides LED light in the noisy industrial environment.

Features

- 1.Support wired, 2.4G wireless and bluetooth transmission protocols.
- 2.Bluetooth 4.1 module: support HID, SPP and BLE multiple protocols.
And support customized development. Outdoor 20 meters visual transmission distance.
- 3.Long-distance 2.4G module, Outdoor 100meters visual transmission distance.
- 4.Support online transmission, off-line storage and it can store 50000 barcodes.
- 5.Pedestal installed with 2.4G wireless receiver. When the scanner is charged on the pedestals, the pedestals can be used for scanning and payment.
- 6.Support Windows xp, Win7, Win8, Win10 systems, Android devices and IOS devices.
- 7.Adopting imported trigger button, long lifespan and fitting perfectly in your hand for comfortable use.

Application

- * Applicable to Business (electrical, book, clothing, medicine, cosmetics, etc.), retail industry, postal service, telecommunications industry, warehousing, logistics industry, public security system, customs systems, banking system, medical system.
- * Compatible with Android, IOS, Linux, windows98 and above operating systems and bluetooth protocol.
- * Support multi-national keyboard language.

Execution Standards

Wireless transmission protocol: Bluetooth Protocols and 2.4GHz wireless protocols.

Storage: 16Mb.

Decoding chip: ARM Cortex 32 bits.

Bluetooth version: Bluetooth 4.1 Module.

Support bar code :

1D: Codabar, Code 11, Code93, MSI, Code 128, UCC/EAN-128, Code 39, EAN-8, EAN-13, UPC-A, SBN, Industrial 25, Interleaved 25, Standard 25, 2/5 Matrix.

2D: QR, DataMatrix, PDF417, Aztec, Hanxin, Micro PDF417 (Optional)

Indicator: LED light, Buzzer, Vibration (Optional)

Battery Capacity: 1100mA.

Charging voltage /current: 5V/1A.

Time of Endurance: 1D ≤ 20H 2D ≤ 12H (5seconds/scan).

Charging Time: ≤ 3hours

Standby time: > 30days

Working Conditions

Working Temperature: 32°F to 104°F / 0°C to 40°C.

Storage Temperature: -40°F to 140°F / -40°C to 60°C.

Humidity: 5% to 95% relative humidity (no condensation).

Ruggedness: Resist about several times drops from 1.5m to concrete ground.

Ambient Light Immunity: Under normal office and factory ambient lighting conditions, or exposed to the sun won't take any effect to it.

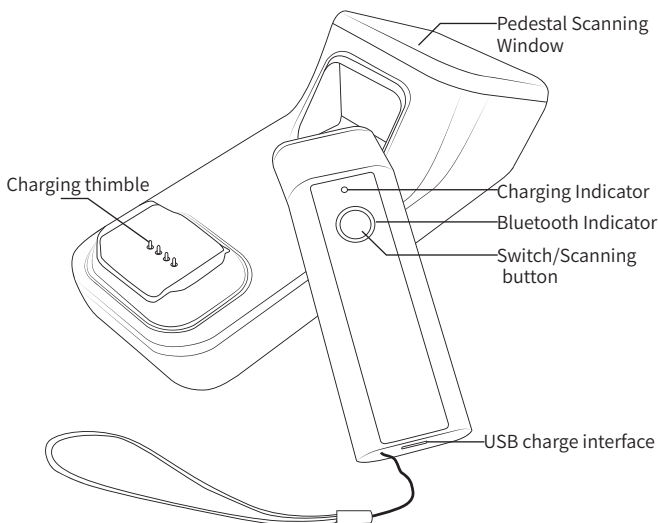
Electrostatic discharge: In line with 15KV air discharge and 8KV contact discharge requirements.

Related regulations

Electrical safety: In accordance with UL1950、CSA C22.2 No.950、EN60950/IEC950 EMI/RFI: FCC Part 15 Class B、European Union EMC Directive、Taiwan EMC。

Environment Terms: In accordance with RoHS directive 2002/95/EEC.

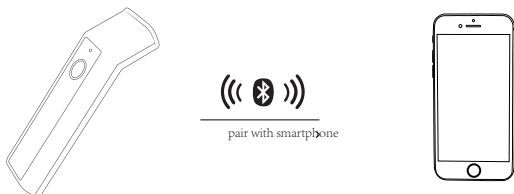
Appearance Introduction



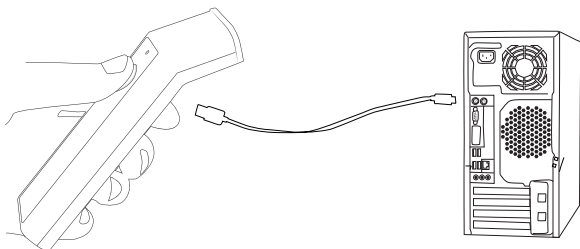
How to use the barcode scanner

A. When use the scanner alone:

1. The barcode scanner only supports bluetooth protocols, which is compatible with Android, IOS system and PC terminals with bluetooth. (Please refer to page 9).



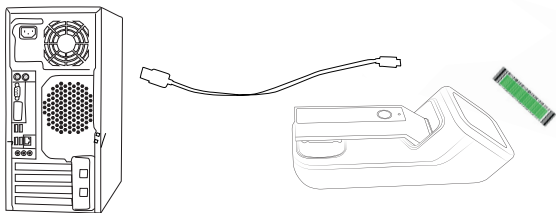
2. Connect USB Type-C end with scanner, and other side with PC. You can charge the scanner and use for wired barcode scanner at the same time.



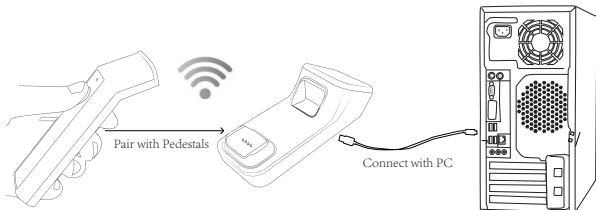
B. When used along with the pedestal:

The pedestals mode have desktop mode and handheld mode. When you use the pedestals, please pair the scanner with mini-receiver installed in the pedestals.

1. Desktop mode: Put the barcode scanner with pedestals on the desk. When you charge the scanner you can use the pedestals scanning window for scanning. (Please refer to page 11)



2. Handheld mode: Hold the barcode scanner, and connect the pedestals with PC terminals which is installed with the wireless 2.4G mini-receiver module. Indoor transmission distance 30 meters. Outdoor transmission distance 100 meters.



Reset Configuration to Defaults&Version Information

During usage,if you scan other setup barcode by mistake and the scanning cannot perform as normal way, you can scan the initialization setup barcode to revert.



Reset Configuration to Defaults



Display Version Information



Electric Quantity Display

Bluetooth Pairing :

Pair with PC terminals or other devices (including Android, ios, win systems) with bluetooth:

A: Start the scanner and long press for 8 seconds or scan "Bluetooth HID Pairing Mode" to enter the pairing state. (blue light flicker) .



Bluetooth HID Pairing Mode

B: Turn on Bluetooth in the device to detect bluetooth device named with "Barcode Scanner HID". Click "Barcode Scanner HID" to enter pairing status. If pair successfully, you will hear a beep.(blue light is always on)

Note: When the scanner enters the state of matching and it does not pair with bluetooth successfully within 1 minute, there is 2 times long low sound indicated failing match and return to scanning mode.
(Or trigger twice to revert to scanning mode)

Pull up and Hide iOS Keyboard



Pull up and Hide iOS Keyboard



Trigger twice to pull up iOS keyboard



Trigger twice to disable iOS keyboard

Caps Locks



Switch to Lowcase Set



Switch to Capital Set



Turn off Switch



Capital and Lowcase Switch

Pair with pedestal which is installed the 2.4G mini-receiver

Pair with the devices without bluetooth(such as desktop computer) via pedestal which is installed the receiver.Dongle pairing methods as follows:

A:Scan “2.4GHz Wireless Mode” setup barcodes.



B:Scan “Compulsory Pair with Dongle Setup Barcode” so that enter into pairing state.The blue light flickers quickly.



Compulsory Pair with Dongle Setup Barcode

C:Connect USB Type-C end with pedestal, and other side with PC .If there is a Di sound it would connect successfully and the blue light is always on.

Note: When the scanner enters the state of matching and it does not detect the receiver successfully within 1 minute, there is 2 times long low sound indicated failing match and return to scanning mode.
(Or trigger twice to revert to scanning mode)

Sound and Vibration Setting

Select the desired to turn on/off the sound or vibration setup barcode



turn off the sound



turn on the sound



Vibration off (optional)



Vibration on (optional)

Standby time Setting



Standby after 1 min



Standby after 5 mins



Standby after 10 mins



Standby after 30 mins



Never Standby



Standby Immediately

Language Settings



English



German



French



Spanish



Italian



Japanese



Only for PC American Keyboard output

End Character Settings

Select the end character you want to add

CR: Carriage Return, LF:Line Feed



Add CR



Add LF



Add CR+LF



Cancel CR+LF



Add TAB

Transmission Speed Setting

Select the corresponding transmission speed according to PC receiving speed.



Fast



Medium



Slow



Very slow

Bluetooth protocols

Select the desired communication bluetooth protocol barcode



bluetooth HID mode



bluetooth SPP mode



bluetooth BLE mode

Note: Scan above barcode to enter the bluetooth searching state

Operating Mode

In normal mode, the scans are uploaded directly to computer via USB cable or wireless dongle. If succeeds, barcode scanner will make a low-frequency short tone. If it fails, there will be three low frequency short tones to alarm.

In normal mode, if fails, the data will be lost. You can scan below:



normal mode

If the transfer range is beyond 2.4G wireless transfer range storage mode is suggested, in which scans are stored in internal cache after being scanned. In storage mode, if a barcode is scanned and the scanner will make a short tone and scans are automatically stored in scanner's internal storage.

If the internal storage is full, the scanner will emit three low-frequency short tones to alarm.



Storage Mode

By scan “Total amount of stored barcode” setup barcode, to check the total amount of scanned barcodes in storage:



Total amount of stored barcode

Upload the stored data by scanning the "Data Upload" barcode. After data upload, it won't delete the barcode on the scanner automatically. So the user can scan the "data upload" many times to upload the data.



Data Upload

Note: When uploading data, please ensure the wireless signal is perfect, or upload after connecting with USB cable

By scanning "Clear Data" to clear the barcodes in storage, the cleared scans won't be uploaded once cleared.

Please confirm whether the barcodes have been uploaded before clear them.



Clear Data

Bluetooth Name Change Setting

A. Scan Bluetooth Name Change Setup Barcode:



Bluetooth Name Change Setup Barcode

B. Scan the user-defined barcode of bluetooth name within 16 characters (Symbology unlimited, letter, number or symbol works). If customer wants to change the bluetooth name as you like it, you should equipped with bar code generator yourself.

For example, Once you make a bar code of Scanner123, the bluetooth name of scanner would be changed as Scanner123 after scanning the bar code you made.



Scanner123

Note: Once initialized, the bluetooth name would revert to the default.



Reset Configuration to Defaults

Hide front and back characters

A: Scan "Hide front character" or "Hide back character" Setup Barcodes.



Hide front character



Hide back character

B: Scan hide quantity of characters.



Hide 1 character



Hide 2 characters



Hide 3 characters



Hide 4 characters



Hide 5 characters



Hide 6 characters



Hide 7 characters



Hide 8 characters

Note: If you want to cancel “Hide front and back characters” operation, please scan barcodes of “Hide front character” or “Hide back character” Setup Barcode again.

Set Prefix and Suffix

A : Scan the "Allow for Prefix Adding" or "Allow for Suffix Adding" setup barcode.



Allow for Prefix Adding



Allow for Suffix Adding

B : Select the desired contents of prefix or suffix (Appendix A) .

Note: If you want to cancel Prefix or Suffix Adding operation, please scan barcodes of “Allow for Prefix Adding” or “Allow for Suffix Adding “Setup Barcode once more.

Appendix A:



SOH



STX



ERX



EOT



ENQ



ACK



BEL



Back Space



LF



VT



FF



CR



Tab



F1



F2



F3



F4



F5



F6



F7



F8



F9



F10



F11



F12



FS



GS



RS



SUB



Esc



US



空格



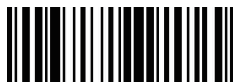
!



"



#



\$



%



&



'



(



)



*



+



,



-



.



/



0



1



2



3



4



5



6



7



8



9



:



;



<



=



>



?



@



A



B



C



D



E



F



G



H



I



J



K



L



M



N



O



P



Q



R



S



T



U



V



W



X



Y



Z



[



\



]



^



_



`



a



b



c



d



e



f



g



h



i



j



k



l



m



n



o



p



q



r



s



t



u



v



w



x



y



DEL



z



{



|



}



~

FAQ

► What should I do if I can not pair scanner with Bluetooth devices?

A. Please make sure that scanner is in the matching state under corresponding bluetooth protocol

B. If the devices has connected successfully with other barcode scanner via bluetooth, or other devices. Please delete the bluetooth connection record before connecting.

C. The wireless module has been damaged

► Why some symbologies fail to be read?

The scanning module does not support the symbology or the symbology has been turned off, please contact with the vendor to turn on the code system.

► Why scans fails to be uploaded to computer or smartphone ?

A. Please make sure if they have been successfully paired, if yes, the LED indicator of the bluetooth barcode scanner is blue.

B. Please check if it is in "Storage Mode". (In "Storage Mode" scans won't be uploaded automatically, please scan "Data Upload" setting code manually to upload the scan is required)

C. Please switch to "Normal Mode" to scan and upload simultaneously.

D. The wireless module has been damaged

► Why the barcode content is not correct?

Please make sure that the PC or smartphone keyboard language is the same as Barcode Scanner language.

► Why does the scanner cannot charge?

A. Please select correct charger.

B. The charging circuit or battery has been damaged.

► How to change more scanning settings?

Please contact your barcode scanner vendor.

Buzzer

Sound Type	Description
a long sound (First low then high frequency)	Means power on
a long sound (First high then low frequency)	Means power off
a short sound (low frequency)	Means read barcode
a short sound (First low then high frequency)	Means data has been stored
a short sound (First high then low frequency)	Means scan the set-up barcode
a short sound (low frequency)	Means wireless transmission failed or cache is full

During normal usage or start-up process,if the buzzer continuously makes five times long sound(low frequency) ,then automatically power off. It means the power capacity is too low and need to be charged before use.

LED Indicator Light

indicator light color	Description
Blue Light	flicker means wireless pairing step on and off immediately means read barcodes successfully
Red Light	always on means power charge, after full it would be off.



Electric Quantity Display

