

Wireless 2D Barcode Scanner

Quick user guide



Return to Factory Defaults



Save Settings

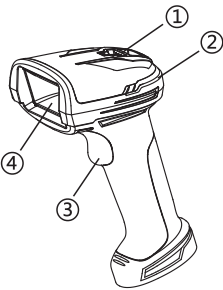
All settings need to be saved

****This manual is only a simple description of the product. The setting part is only limited to the functions of the wireless module. Please refer to the scanner user setting manual for the setting of the scanning Engine. For more settings, please contact the supplier for a complete user manual.

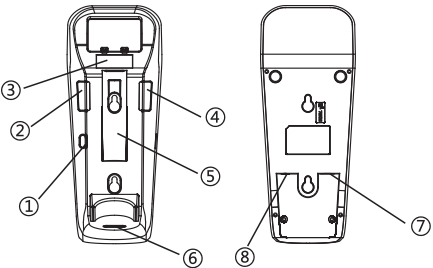
***This device has a built-in rechargeable battery. If is not used for a long time. Please unplug the battery or charge the battery at intervals.

Package Content & Outline Description

The package contains the wireless scanner, Communication and Charging Base. Due to the different connected methods of the Communication, the package will be equipped with USB to RJ45 data transmission Cable and USB to DC interface power line or RS232 serial port to RJ45 data transmission Cable and serial port DC power supply.



- ① Metal Hook ② Indicator light (red, blue, green)
③ Trigger ④ Scan Window

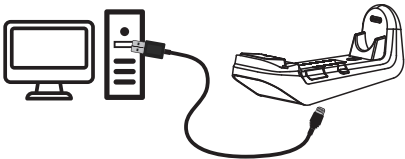


- ①Pairing Button
②Pairing Light
③Pairing Bar Code
④Charging Light
⑤Backup Battery Charging Slot
⑥Charging Connector (Magnetic)
⑦Data Interface to HOST
⑧Charging Port

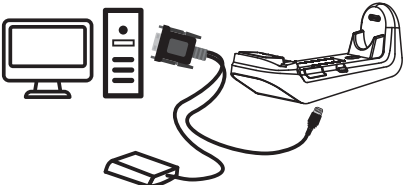
Connect the Scanner

I . Communication Base Connecting

USB Interface : Insert the RJ45 of the data cable into the "Data Interface" of the Base, USB-A of Cable plug into the USB interface of the HOST. Insert the DC end of the power line into the "Charging Port".



Rs232 Interface: Insert the RJ45 of the data cable into the "Data Interface" of the Base, and the other end is inserted into the RS232 interface of the HOST. Plug the DC end of the power supply into the power socket of the Serial Port Cable. (the default baud rate of RS232 port is 9600)



After the base is connected to the data cable, the pairing indicator light is always blue when there is a scanner connected, and the red light is always on when there is no scanner connected. If you need to change the data cable interface, you need to scan the bar code as below.

USB HID



USB Virtual COM Port



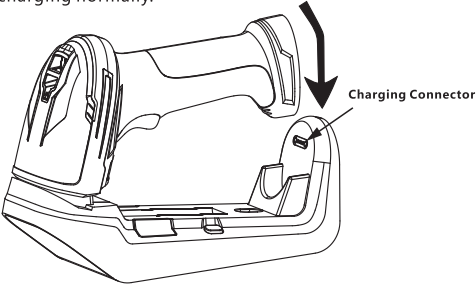
RS232 COM PORT



Note: The interface type setting will take effect only when the scanner and the Base has been paired.

Charging and Pairing

Charging: Place the scanner into the Communication Base. The method of placement is shown as below. The scanner charging indicator is Red to confirm that the scanner is charging normally.



Pairing: Pick up the scanner, power on and scan the following two bar codes, press the Pairing Button of the base (middle orange button) for 3 seconds, and release the button after hearing the Beep sound. The Base pairing light is always blue when the pairing is finished.



1.Base Mode



2. Match the Base

Tip: The scanner needs to be paired with the Base before sending data to the Host. Each time the data is successfully sent, the blue pairing light of the Base will flash once, and the indicator light of the scanner will flash green.

II. Bluetooth connection and Match (Bluetooth Mode connects to a Bluetooth-enabled PC or Handheld device)



1. Set to Bluetooth HID mode.



2. Connect Bluetooth Device

The green indicator light of the scanner starts to flash quickly, and the Host at the receiving end opens the Bluetooth connection interface to search for Bluetooth devices, finds the device name, and clicks

pairing or connection (Default Bluetooth device name: Serial Number of the Scanner or named: BarCode Scanner). The connection is successful, and the indicator light of the scanner is always blue.

Bluetooth SPP mode



Bluetooth SPP mode is a Bluetooth dedicated point-to-point connection mode that requires the device to connect using SPP connection software.

Bluetooth BLE mode:



Bluetooth BLE mode is a Bluetooth dedicated point-to-point connection mode that requires the device to connect using BLE connection software.



Read the Bluetooth name

Start the scanner

Press the scanner trigger to power the scanner on. After starting the scanner normally, the scanner with a "beeper" prompt sound prompts the device is turn on. If the scanner is not used for a long time. It'll turn off by itself. The automatic sleep down time can be set (the default is 5 minutes).

Charging

When the power of the scanner is lower than a certain level, the scanner starts to alarm per 10 seconds. When the power is very low, the scanner will be forcibly shut down. Please charge it on the Base in time.

Scanning Mode

The Scanner is Trigger Mode in Factory default. Press the trigger to scan the bar code one by one. It can also be set to Continuous Scan Mode (without pressing the trigger). Align the Scanner at the bar code and it will automatically scan the bar code continuously.



** Trigger Mode



Continuous Scan Mode

Real Time Mode

After scanning the bar code, then the data is transmitted directly to the host. If the transmission fails (for example, the transmission distance is exceeded or the Base is not connected), then the data will be discarded directly, and the "beep" sound prompts the user that the transmission failure. This mode is the default transport mode.



** Real Time Mode

Automatic Storage Mode

If the data cannot be uploaded because the communication distance is too long, the bar code data will be automatically stored in the memory of the scanner, and the tone will drip twice. At this time, the indicator light of the scanner flash green. After the communication is resumed, the data will be uploaded automatically, and the indicator light will return to blue. (this mode is not recommended for Bluetooth HID/SPP/BLE because the receiver is not controlled)



Automatic Storage Mode

Inventory mode

After reading the bar code, the data is stored in the memory of the scanner (about 10,000 commodity bar codes). Only after scanning the "Data Upload" bar code does the data start uploading until all the transmission is completed. After the upload finished, scan the bar code of "Clear Data" to clear all data in memory, otherwise the previous data will be uploaded again during the next upload.



Inventory mode



Data Upload



Clear Data



Total Storage Number

Dormant Setting

The scanner will enter a dormant state within a period under no operation or no use condition. (Factory Default: Enters the dormant state after 5 minutes with no operation). The dormant time can be set as below. Or you can long press button for 10 seconds to change the scanner entering dormant state immediately.



Never Sleep



1 Minute



2 Minutes



5 Minutes



30 Minutes



Sleep Immediately

Scanner Information Query

Scan the "Show Version Information" QR code under the connection state. Open a "Notepad" file, and you can get the device version information upload. Or you can get the battery remaining by scan the "Show Battery Remain" QR code.



Show Version Information



Show Battery Remain

Sound and Vibration

When the scanner is used, the sound and vibration will be used to remind whether the scanner is normal. "Di" means the normal scanning, and "Didi" means that the scanning code data is not uploaded immediately. The sound volume and vibration of the prompt sound can be adjusted by scan the following setting code.



Silent



Low



Medium



** High



**Vibration (on)



Vibration (off)

Light Description
Scanner indicator light

Colour	State	Meaning
Blue	ON	The scanner connection is normal
Green	ON	The scanner battery is fully charged
	Flash Slowly	The scanner is in the offline state
	Flash Quickly	Under pairing
	Flash	Read the barcode successfully (flashing once)
Red	ON	Scanner battery is in charging
All light	Off	The scanner is shut down or in dormant state

Base indicator light

Light LED	State	Meaning
Left With Pairing Button side	Red	The scanner is disconnected from the Base
	Blue	The Base is normally connected
	Flashing Blue	Data upload (flashing once)
	Off	The Base is not connected to the HOST
Right	Green	Power connected or Backup Battery is full
	Red	Backup Battery is in charging...

Trouble Shooting

State	Possible problems	The exclusion method
Unable to power on	Battery power is exhausted	Charge the scanner or replace the battery
Alarm	Battery power is low	Charge the scanner
No Scan Light	Scan Engine Failure	RMA or contact the technician
No Read	Unsupported bar code or disable condition.	
Scan badly	Bar code Nonstandard or Scanner selection is not suitable	
None Data Transmit	Scanner disconnected or other condition. Please read this manual for solution.	

Tip: The possible reasons why the data is not uploaded to the Base include: 1. the Base is not well connected; 2. the scanner is exceeding the communication distance; 3. the scanner working under the Inventory Mode, etc.

Quality inspection and Warranty Card

User info			
User name		Contact number	
Address			
Distributor and Product Information			
Agency		Time buying	
Product model		Serial No.	
Quality testing		Base serial number	
Maintenance Record			
Date	Maintenance content		
Warranty terms			
(I) From the date of purchase, the scanner shall has a 24-month warranty service with the warranty card. During the warranty period, the product is free of repair, beyond the warranty period, basic maintenance fees (including parts and labor costs). (II) Products identified by the manufacturer under the following circumstances will not be free warranty: (1) The warranty period has been exceeded; (2) The product is disassembled; (3) Damage caused by improper customer use or human factor (such as improper installation, water immersion, etc.); (4) The fuselage number is altered or inconsistent with the number listed in this card; (5) Damage caused by natural disasters such as flood, fire and lightning strikes; (6) The working or storage environment (such as temperature or temperature, etc.) does not meet the requirements of the product User Manual.			

FCC Caution.

(1) § 15.19 Labelling requirements.

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.

§ 15.21 Changes or modification warning

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

According to § 15.247(e)(i) and § 1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.