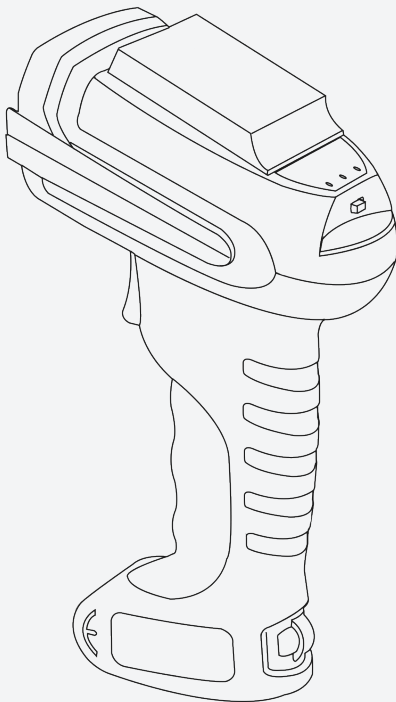


V:1.0
02.12.2025

INDUSTRIAL-GRADE UHF BARCODE SCANNER

User Manual



Version information

01 /Product features

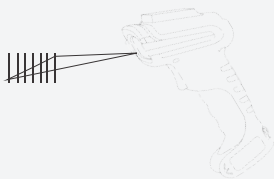
- ▶ Wired, Bluetooth, wireless three-mode free switching
- ▶ It can store over 50000 barcodes in offline mode
- ▶ Supports Android /iOS /Windows OS
- ▶ Supports Bluetooth HID, SPP, BLE protocols
- ▶ Support RFID ultra-high frequency
- ▶ Bluetooth transmission distance: indoor transmission distance can reach up to 15 meters

02 /Product parameters

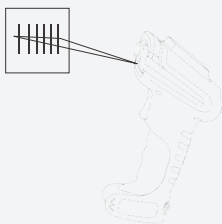
Industrial UHF Barcode scanner	
Wireless transmission protocol	Bluetooth/2.4G/USB
Accuracy	1D≥3mil 2D≥ 8mil
Card reading frequency	920-925MHz / 902-928MHz / 865-868MHz
Bluetooth module	Bluetooth 5.0 Module
Support barcode	1D: EAN,UPC,Code 39,Code 93, Code 128,UCC/EAN 128, Codabar, Interleaved 2 of 5, ITF-6,ITF-14,ISBN,ISSN, MSI-Plessey GS1 Databar ,Code 11, Industrial 25, GS1 Composite Standard 25,Plessey, Matrix 2 of 5 2D:QR Code, Data Matrix, PDF417,Aztec, Micro QR, Micro PDF417, Maxicode
Battery capacity	2600mA
Charging voltage/ current	5V/1A
Current(RFID)	600mA (working), 70mA (standby), 70mA (power on)
Current (Barcode scanner)	70mA (power on); 220mA (working); 2mA (Standby)

03/ The correct way to use a barcode scanner

- (1) Firstly, ensure that the barcode scanner, data cable, host, and power supply are connected correctly.
- (2) Press the trigger button and a red alignment line will appear. Align the alignment line with the center of the barcode, move the scanning gun and adjust the distance to find the best reading position.
- (3) The barcode scanner and barcode must maintain a diagonal angle to obtain the best reading state, and cannot be read at a 90 ° angle with the barcode.
- (4) Do not scan the barcode on the manual casually, otherwise it may cause failure to upload or read.



Correct reading method



Correct reading method



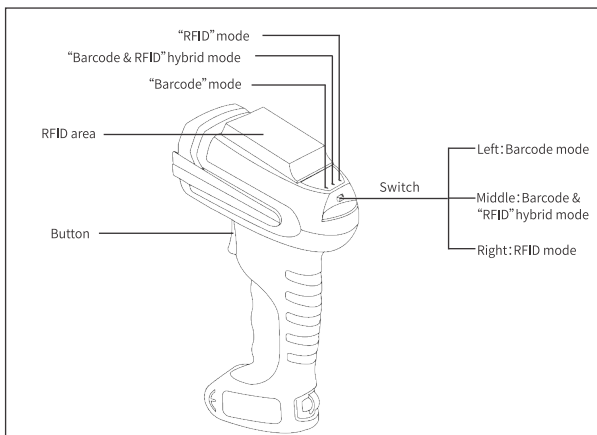
RFID Chip card

2.5M



Distance between barcode scanner and chip card:
 ≥ 2.5 meters

04/Working modes



RFID mode:

Switch the function to the "RFID" mode on the right through the switch button on the back of the device. At this time, the "RFID" mode light will be on, and the "BARCODE" mode light on the left will be off.

Barcode mode:

Switch to the left side through the switch button at the back of the device, and switch the function to the "barcode" mode. At this time, the green light in the "barcode" mode on the left is always on, and the light of "RFID" mode is off.

Barcode & RFID hybrid mode:

Switch to the middle through the switch button at the back of the device, and switch the function to dual mode. At this time, the "barcode" mode light will be on, and the "RFID" mode light will be on.

05/Reset Configuration to Defaults

If you scan other set-up barcode by mistake and the scanner doesn't work as normal way, you can scan the initialization setup barcode to rever



Reset Configuration to Defaults



Battery status

06/Bluetooth Pairing STEPS

①: :Pressing scanning button for 8 seconds or scanning following setup code "HID Pairing Setup Barcode "until LED flashing



HID Pairing Setup Barcode

②: Turning on the Bluetooth of user's device, and find "BarcodeScanner HID" device in the menu, click it. When you hear one beep, barcode scanner and user's device get connected through bluetooth

(Double click the button to exit pairing mode and return to scanning mode.

When you connect the USB cable, it cannot be paired

07/2.4GHz Wireless Pairing Steps

How to connect with PC through 2.4GHz wireless?

1:Scanning following two setting codes one by one



Compulsory Pair with Dongle Setup Barcode

3:Inserting wireless dongle into USB port of users' device.When you hear one beep,barcode scanner and users' device get connected through 2.4GHz wireless

(Double click the button to exit pairing mode and return to scanning mode. When you connect the USB cable, it cannot be paired)

08//Standby Time Settings



Standby after 1 min



Standby after 5 min



Standby after 10 min



Standby after 30 min



Never enter Standby



Power OFF

09/Working Modes



Normal Mode



Storage mode



Storage quantity

10/Inventory Modes



Data upload



Clear Data



No Loss Mode

Note: The no loss mode can ensure no loss under 2.4G and virtual Bluetooth, Bluetooth HID/SPP/BLE is not recommended to use the no loss mode as the receiving end is not controlled.

11/End Character Settings



Add CR



Add LF



Add CR+LF



Cancel CR+LF



Add TAB

12/2.4G Transmit speed settings



Turn on 2.4G Delay



Turn off 2.4G Delay

Delay time interval setting:



5ms



10ms



20ms



30ms

13/Keyboard Language Settings



English



German



French



Spanish



Italian



Japanese



Only for PC American Keyboard output

(Only for PC use, output barcode with letters directly ,
without switching between Chinese and English input methods)

14/2.4G Wireless COM-Port Mode Setting

①.Scanning setting code“COM-Port Mode”



②.Scanning setting code“Enter Pairing Mode”



③.After inserting the receiver, you will hear a "beep" sound, which means the pairing is successful and a COM port is automatically generated

Note: When entering the virtual serial port, the wired output is also a virtual serial port
(Some computers require drivers to be installed)

15/Bluetooth protocol



Bluetooth HID mode



Bluetooth SPP mode



Bluetooth BLE mode

16/Bluetooth Transmit speed settings



Fast



Normal



Slow



Super slow

17/Sound and Vibration Setting



Turn Off the Sound



Turn On the Sound



Turn Off the Vibration(Optional)



Turn On the Vibration(Optional)

18/Capital and Lowcase Switch



Transfer to Lowcase Set



Transfer to Capital Set



Turn off Switch



Capital and Lowcase Switch

19/Disclaimer

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