User Manual

2.4G + Bluetooth · Wireless Barcode Scanner

MJ-1203

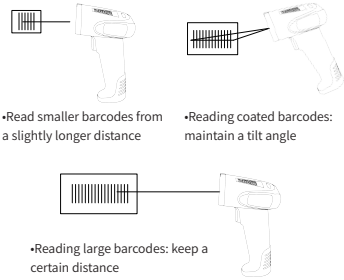Before installing and using the product, please read the instruction manual carefully!

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❶ Packing List

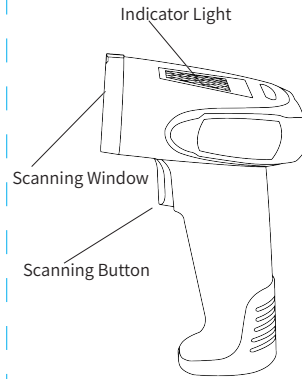•barcode scanner*1•stand*1•Charging cable*1
•2.4G dongle*1•user manual*1

❷ How to Use the Barcode Scanner Correctly

•For small barcodes, bring the barcode close to the product's scanning window; for large barcodes, keep the barcode slightly away from the product's scanning window for easier and accurate reading.
•For barcodes with high reflectivity (e.g., barcodes with a film coating), maintain a certain tilt angle between the barcode and the product's scanning window to successfully scan the barcode.
•When scanning a barcode, align it and ensure the scanning line fully covers the entire barcode for decoding. Do not scan only part of the barcode, otherwise, errors may occur.

•Read smaller barcodes from a slightly longer distance

•Reading coated barcodes: maintain a tilt angle

•Reading large barcodes: keep a certain distance

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❸ Component Description

Indicator Light

Scanning Window

Scanning Button

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❹ Multi - Mode Switching

Working Mode 1: The barcode scanner can be directly connected to a PC for communication via a charging cable. At this time, it can also charge the battery of the barcode scanner.

Connected to PC
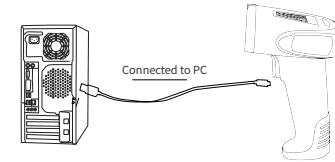
Usage Mode 2: It can directly communicate wirelessly with a computer by matching a 2.4G dongle.

Paired with PC

2.4G dongle
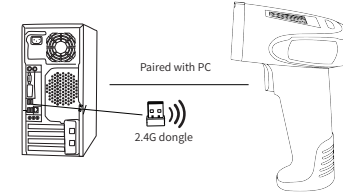
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Working Mode 3: Direct wireless communication with Bluetooth-enabled devices by pairing with Bluetooth. (Bluetooth is optional)

蓝牙设备配对

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❺ Technical Parameters 5

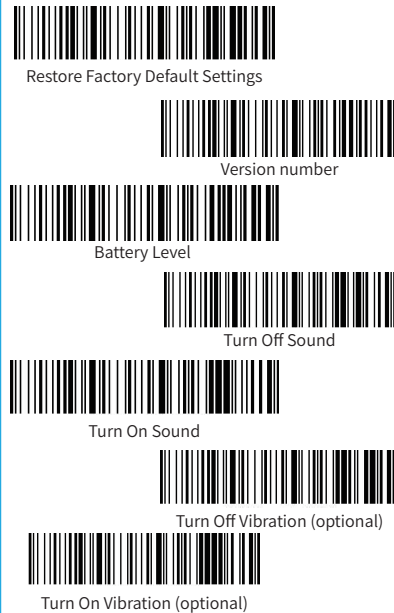|		
Wireless Performance	Communication Mode	2.4G, Bluetooth 7.0
	Battery Capacity	1800mA
	Storage Capacity	≥20,000 items (13-digit commodity codes)
	working hours	≥12 hours (once every 6 seconds)
	Charging Voltage	5 VDC±5%
	charging time	≤4 hours
	Transmission Distance	2.4G: ≥80 M, Bluetooth: ≥30 M
Decoding Capability	1D: Codabar、Code 39、Code 32 Pharmaceutical (PARAF)、Interleaved 2 of 5.NEC 2 of5、Code 93、Straight 2 of 5 Industial、Straight 2 of 5 IATA、Matrix 2 of 5 , Code11、Code 128、GS1-128、UPC-A、UPC-E、UCC Coupon Extended Code、GS1 DataBar Limited、EAN/JAN-8.EAN/JAN-13、MSl	
	2D (optional) :Codeblock A CodeblockF、PDF417、Micro PDF417、GS1 Composite Codes.ILC39.OR Code. Data Matrix.MaxiCode、Aztec、HANXIN	
Reading Depth of Field	EAN-13 (13mil)	40mm-260mm
	Code128 (15mil)	45mm-250mm
	Code39 (5mil)	40mm-100mm
	Data Marix (10mil)	50mm-120mm
	QR Code (20mil)	25mm-300mm
	PDF 417 (6.7mil)	30mm-150mm
Environmental Parameters	Working Temperature	-0°C~40°C
	Storage Temperature	-40°C~+70°C
	Humidity	5%~95% (no condensation)
	Protection Level	IP42
	Drop Height	Scanner : 1.2 meters, Stand: 1.0 M
	Ambient Light Immunity	0 to 10,037 Foot Candles / 0 to 108,000 Lux (direct sunlight)

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❻ Product Features

•Supports wired transmission, 2.4G transmission, and Bluetooth transmission
•Supports operating systems such as Android, iOS, Windows, and Linux
•Supports three Bluetooth protocols: HID, BLE and SPP (optional)
•Three prompting methods: LED light, buzzer, and vibration
•Built-in large-capacity memory, which can store more than 20,000 commodity barcodes
•Excellent reading performance, easily readable for various low-quality barcodes such as curved, stained, and blurred ones
•Wireless long-distance transmission: 25 M indoor for 2.4G, 15 M indoor for Bluetooth
•Unique low-power power management system, large-capacity brand battery, and long standby time

❼ Application

Widely used in member identification and payment in large shopping malls and supermarkets, new retail and payment, hotel check-in management, cinema ticket checking, as well as medical systems, school systems, government systems, banking systems, logistics systems and other occasions that require fast scanning and identification.

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❽ Basic Settings

Restore Factory Default Settings

Version number

Battery Level

Turn Off Sound

Turn On Sound

Turn Off Vibration (optional)

Turn On Vibration (optional)

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❾ Wireless 2.4G Pairing Settings

For PC devices without built-in Bluetooth (such as desktop PC), pairing with a 2.4G dongle is required. The pairing method is as follows:

1:First, scan the 2.4G mode setting code.

2.4G mode

2. Then scan the "forced pairing" setting code. At this time, the blue light flashes, indicating entry into the pairing state.

forced pairing

3.Insert the dongle into the PC's USB port. After hearing a "beep", the dongle is paired successfully, and the blue light stays on. This receiver can only pair with one barcode scanner.
Note: After the scanner enters the pairing state, if no dongle is inserted within 1 minute, the pairing fails and 2 long low-frequency beeps will sound, and it will return to the scanning state (or double-click the button to exit the pairing mode and return to the scanning state). Pairing is not possible when connected via a cable.

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❿ Wireless Bluetooth Pairing Settings

The default Bluetooth name of this scanner is BarCode - Scanner - HID. Press and hold for 8 seconds or scan "Bluetooth HID Mode" to enter the Bluetooth pairing state.

Bluetooth HID Mode

2.Turn on the Bluetooth device search, click to connect to the "Barcode Scanner HID" scanner. After hearing a "beep", the Bluetooth pairing is successful, and the blue light stays on. This scanner can only connect to one Bluetooth device at a time.

Note: After the scanner enters the pairing state, if Bluetooth pairing is not performed within 1 minute, the pairing fails and 2 long low-frequency beeps will sound, and it will return to the scanning state (or double-click the button to exit the pairing mode and return to the scanning state). Pairing is not possible when connected via a cable.

⓫ Other Bluetooth protocols (requires APP support)

Bluetooth SPP Mode (optional)

Bluetooth BLE Mode

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12 Sleep Settings

Never sleep

Sleep immediately

Sleep time: 1 minute

Sleep time: 5 minutes

Sleep time: 10 minutes

Sleep time: 30 minutes

13 Function Settings

Normal Mode
(Upload data in real time)

Inventory Mode
(Also known as Storage Mode)

Data Upload

Display Total Stored Entries
(Available in Inventory Mode)

Clear Inventory Data
(Delete all data, use with caution)

Enter Non - Loss Mode

Description:

1. Normal Mode: Scan this barcode to enter normal mode.
In this mode, the scanning results will be uploaded to
the computer in real time (this mode is the default mode).

2. Inventory Mode: Scan this barcode to enter inventory mode. In this
mode, the scanning results will be stored in the internal memory
(when the internal memory is full, the buzzer will "beep"
3 times as a reminder).

3. Data Upload: Scanning this barcode can upload the data stored in
the internal memory to the computer in sequence (when uploading
data in inventory mode, please ensure the wireless signal is normal.
If the data upload is successful, the buzzer will "beep" once; if the
data upload fails, the buzzer will "beep" 3 times).

4. Display Total Number of Stored Entries: Scanning this barcode will
display the total number of stored data (applicable in inventory mode).

5. Clear Inventory Data: Scanning this barcode will clear all data in the
internal memory.

6. Non - Loss Mode: After the wireless connection of the scanner is
disconnected, the scanned codes will be automatically stored in the
scanner. When re - connecting to 2.4G wireless, the barcode data will
be automatically uploaded.

Note: The non - loss mode only supports 2.4G mode

14 End symbol setting

Add CR

Add LF

Add CR+LF

Cancel CR+LF

Add TAB

15 Case Switching

Force to Lowercase

Force to Uppercase

Do Not Convert Case

Swap Case

16 Explanation of prompt sound

One long beep (low first, then high frequency)	Indicates power on
One long beep (high first, then low frequency)	Indicates power off
One short beep (low frequency)	Indicates barcode read
One short beep (high first, then low frequency)	Scan setting code
Two short beeps (low first, then high frequency)	Scan data stored in
Three short beeps (low frequency)	Wireless transmission failure or cache full
Five long beeps (low frequency)	Battery power too low