

# Instruction manual

## Wireless 2D Barcode Scanner

### Introduction description

Universal handheld image 2D barcode scanner adopts the international advanced image transmission technology, with two-way communication instant error correction feedback, to complete a variety of commonly used one-dimensional codes and two-dimensional code reading. Equipped with auxiliary illumination, it can be used in different lighting environments and can also be used at night, which is highly applicable. 360 ° read barcodes in any direction, faster reading and more efficient operation, suitable for commercial POS systems, supermarkets, warehousing and logistics, books, banking, transportation, postal, and industrial, manufacturing production process management and other fields.

The setting code preceded with “\*\*\*” is the default setting, not all functions of the product are listed in this manual, so please contact your supplier for more details. The rights used in this product, including the final interpretation right of this instruction manual are reserved by our Company (The contents of this instruction manual are modified without notice).

### Technical parameters

Battery capacity	2000mAh
Scan barcode category	1D,2D barcode
Code reading density	≥5mil
Types of decoding	1D：EAN13, EAN 8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, Code11, CodeBar, MSI, RSS-14, RSS- Ltd, RSS- Exp, Standard 2 of 5, Plessey, ChinaPost 25, GS1 Composite 2D：QR Code, Data Matrix (DM), PDF417, Han Xin, Micro PDF417, Micro QRCode, MaxiCode, Aztec Code, Code16K
Operating temperature	Celsius -0°C ~ +50°C
Storage temperature	Celsius -0°C ~ +60°C
Operating humidity	5%-95% (non-condensing)
Prompt mode	Buzzer, LED
Scan mode	Manual, continuous
Seismic resistance	Pass the 1. 5-meter free fall test

Dear users, thank you for choosing our products. We will serve you with high-quality products, in order to ensure that you can use this product better, please read this manual carefully before use!

### I. Product features

- 1.This product adopts CMOS camera module, which can identify 1D/2D code and screen code.
- 2.Reading distance up to 20cm, which can quickly read out the information in the bar code.
- 3.This product is equipped with an inventory function which can directly carry out some simple daily inventory work. All parameter settings can be completed by scanning the setting code and saved in the memory of the barcode scanner, the inventory content and parameter settings can still be retained after the power if turned off.
- 4.This product equipped with one-key pairing function, simple and fast to complete the pairing of transmit/receive (This product has been paired at the factory).
- 5.Long distance transmission, 100 meters transmission distance in open area (Indoor transmission distance about 20-30 meters according to different structure and environment).

### II. Installation method of receiver

- 1.Plug the wireless receiver to the USB port of the computer.
- 2.After the wireless receiver is plugged into the computer, the system will automatically install the driver (if the driver installation fails, please unplug the receiver or restart the computer).
- 3.Once the driver is installed, the receiver can transmit data with the paired scanner.

### III. Bluetooth Connection (For bluetooth version)

The bluetooth name of the device is“BARCODE SCANNER”, then click it to connect.

### IV. Turn on/off the configuration code setting



Factory reset



The software version



Allows all barcodes to be read

### V. Interface settings



\*\*USB HID



Virtual serial port

### VI. Commonly terminator setting



\*\*CR



CR+LF



Tab



No terminator

### VII. Reading mode setting



\*\*Key Trigger



Auto-Induction

### VIII. Data output encode format

Users can set the output format of the reading module by scanning the following setting codes, so that the host can output Chinese data according to the specified encoding format.

Note: GbK format is used for Notepad, UNICODE format is used for Word and common chat tool input boxes.



\*\*UTF-8



Unicode



GBK

### IX. Wireless Function Setting

#### Transmission Mode Setting



\*\*Normal mode  
(Instant data upload)



Inventory Mode  
(Storage mode)



data lossless mode  
(Instant data upload + Storage mode)



Data Upload



Total number of data  
(Suit for Inventory mode)



Clear Data  
(Use with caution)

#### Note:

1. Normal Mode: the scan result will be uploaded to the computer in time (Default mode).
2. Inventory Mode: the scan result will be stored in the internal memory in this mode (when the internal memory is used up, the buzzer will "long beep" as a reminder).
3. Data lossless mode: the scan results will be uploaded to the computer in time when there has signal; and the scan result will be stored in the internal memory when the signal is weak or no signal, and it will be automatically uploaded to computer when it has signal.
4. Data Upload: Scan the barcode to upload the data stored in the internal memory to the computer in turn (Suit for inventory mode and data lossless mode, please ensure the wireless signal is normal when uploading data, the buzzer will “beep” twice when the data is uploaded successfully, when the data is upload failure, the buzzer will “beep” 3 times).
5. 5.Total number of data: Scanning this barcode will display the total number of stored data (suit for inventory mode).
6. 6.Clear Data: Scan this barcode to clear all data in the internal memory.

X. Pairing Parameter Setting

1.Pairing setting code



One-click pairing

2.Pairing Method

Scan the“One-click pairing”setting code first, plug the receiver to the USB port of the computer after hear the buzzer “beep” 3 times .（Note: After the pairing is successful, the scanner's buzzer will “beep” 3 times and disappear. Whole step will completed within 30 seconds.）

XI. Sleep time setting



SET Sleep time



30s



\*\*60s



2mins



5mins



10mins



20mins



No sleep time

Note： Scan“Set Sleep time”setting code first, then scan the setting code for the time you want to set.

XII. Language settings



\*\*United States



Belgium



Brazil



Canada



Croatia



Czech Republic



Slovakia



Denmark



Finland



France



Germany



Hungary



Italy



Latin America



Netherlands



Norway



Poland



Portugal



Serbia



Slovenia



Spain



Sweden



Swiss-French



Swiss-German



United Kingdom



Turkey -F



Turkey - Q



Japanese



Romanian

XIII. Virtual keyboard settings



\*\*Standard keyboard



Virtual keyboard

XIV. Inverse reading mode



Allows inverse reading



\*\*Forbid inverse reading

XV. Battery Indicator



Display remaining battery power

XVI. Buzzer Prompt Tone

Wireless barcode scanner Buzzer prompt tone list

Buzzer prompt tone	Description
5 times	Low battery warning（Pls charge in time）
1 time	Normal startup, data upload, setting start/end
2 times	Inventory mode data upload completed
3 times	No signal, data upload failure

XVII. Fault Resolution

number	issue	Possible causes	solution
1	There is no response after pressing the power on key	The scanner is out of battery	Make sure that the host is powered on and is turned on when using the USB port that is connected to the USB port of the computer board.
		The interface cable connected incorrectly	Check if the cable connection is loose
2	There is a fill light, but the barcode cannot be read	This type of barcode code system is not turned on	Turn on the code by reading the setup code
		The barcode is damaged	Try scanning other barcodes with the same barcode type
		The distance between the scanner and the barcode is not appropriate	Move the barcode scanner closer or farther away from the barcode
3	The scanned data is displayed incorrectly on the host	The barcode scanner is not high enough to cover the barcode completely	Align the barcode to read the code
		Input method error	Converts an input method to a standard English input method
4	The barcode characters are garbled or incorrect	Additional settings are made for the scanner	Restore the scanner's parameters to factory settings or contact the manufacturer's after-sales service center
		The keyboard country setting of the barcode scanner does not match the keyboard country used.	Set the barcode scanner keyboard country to match the country in which the keyboard is used
5	Other cases cannot be decoded	Device transfer error	Turn off the device power, properly connect the device to the scanner, turn on the device power, restore the scanner parameters to the factory setting state and re-scan the code

XVII I. Simple maintenance method:

1. Stains and dust on the scanning window will affect the scanner's work sometimes. It should use a good quality facial tissue and gently wipe it when cleaning. Then blow it clean with a blowing balloon. If you wipe with poor paper for a long time, it will damage the surface finish of the scanning window and affect the reading effect of the scanner.
2. The scanner housing can be wiped with a soft clean cloth. If needed, add a small amount of dish soap to the water and wipe it with a soft cloth dipped in water.