deli

USER MANUAL

Barcode Scanner No.14970W

CERTIFICATE

Inspector: _____

Date of manufacture: _____

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Keep for future use
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CONTENT

Dear customers , thank you for choosing products. We are committed to providing you with high quality products to ensure best performance,please read this manual carefully before use !

Packing List

Barcode Scanner*1, Base Stand*1, Type-B USB Cable*1, Wireless Receiver*1, User Manual*1
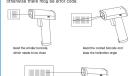
How to use barcode scanner correctly

1.If the barcode is small, the barcode shall be close to the product scanning window; On the contrary, if the barcode is large, the barcode should be slightly away from the product scanning window, so that it is easier to read the barcode correctly.

2.If the barcode has a high reflectance (for example, the barcode surface is coated with film), the barcode should be kept at a certain angle with the product scanning window, so that the barcode can be successfully scanned.
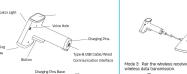
3.When scanning the barcode, it must be aligned and the scanning line must be completely wrapped around the barcode for decoding. It is not allowed to scan only part of the barcode, otherwise there may be error code.
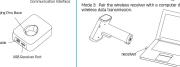

Read the smaller barcode, which needs to be close

Read the coated barcode and keep the inclination angle

Read the smaller barcode, which needs to be far

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Component Description

Indicator Light
Voice Hole
Scanning Window
Charging Pins
Button
Type-B USB Cable/Wired Communication Interface
Charging Pins Base
Type-B USB Cable Interface
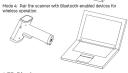USB Receiver Port

Multi-Mode Switching

Mode 1Connect the charging pins base to your computer with Type-B USB cable, ensure successful pairing between the barcode scanner and wireless receiver and insert the wireless receiver into the base. Then, the scanner can achieve continuous power supply through the base and wireless data transmission to the connected computer.

receiver

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Mode 2: Connect the barcode scanner directly to a computer via the Type-B USB cable for both data transmission and battery charging.

Mode 3: Pair the wireless receiver with a computer directly for wireless data transmission.

receiver

Mode 4: Pair the scanner with Bluetooth-enabled devices for wireless operation.

LED Display

It can display signal strength, quantity of electricity and current time.
Time Adjustment:
You can visit our official http://www.nbdeli.com, find the Download Center in After-Sales Service and download the Time Adjustment Software.

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Technical Specifications

Battery Capacity	3.7V / 2000mAh Lithium Battery
Standby Current	90mA
Operating Current	300mA (Typical)
Scanning Depth	EAN-13 (10mil) 50-200mm
Sensor	640×480 CMOS, 120 FPS
Light Source	White LED / Green LED
Charging Voltage	5V=== 1A
Scanning Types	1D codes, 2D code
Scanning Accuracy	1D :≥4mil; 2D: ≥5mil
Supported Barcode Types	1D Barcodes: AIM-128, Code 11, Code 39, Code 93, Code 128, Codabar, Deutsche 12, Deutsche 14, EAN-8, EAN-13, GS1-RSS 14, GS1-RSS(Limited, Industrial 25, Interleaved 2 of 5, ISSN, ISBN, ITF-14, Matrix 2 of 5, MSI-Plessey, RSS-Expand, UCC/EAN-128, UPC-E, UPC-A. 2D Barcodes: PDF417, Data Matrix, QR Code, Micro QR
Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Operating Humidity	5% RH to 90% RH (Non-Condensing)
Alert Methods	Buzzer, LED Indicator, Vibration
Transmission Type	2.4G Wireless / Bluetooth / Wired (USB)
Scanning Modes	Manual / Auto
Drop Resistance	Passes 1m Free-Fall Test

Product features

1.The built-in storage of this product has the counting function, which can directly carry out some simple daily counting work. All parameter settings of this product can be completed through barcode scanning and saved in the memory of barcode scanner. The inventory content and parameter settings can be retained after the power is turned off.

2.It can directly read one-dimensional barcode and two-dimensional code on mobile phones and computer screens.

3.This product has a one button pairing function, (which can easily and quickly complete the transmission).

4.The transmission distance is about 100 meters in the open scene without electromagnetic interference; In typical use scenarios, the wireless transmission distance is 20-30 meters. When the electromagnetic environment is complex and there are more obstacles, the transmission distance will be reduced; If you need to use it at a longer distance, please open the "Counting Mode".

5.Low power consumption, long standby time, built-in 2000mAh lithium battery.

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Receiver installation method

1.Plug the wireless receiver into the USB connector of the computer.

2.After the wireless receiver is inserted into the computer, the system will automatically install the driver (if the driver installation fails, please unplug the receiver or restart the computer).

3.After the driver is installed, the receiver can transmit data with the paired scanner.

Basic settings

Restore Factory Defaults | Add carriage return terminator

Add TAB terminator | Add carriage return line break terminator

Do not add terminators

Reading mode setting

Manual read mode | Automatic continuous reading

Allow to read all barcodes (all supported barcodes can be read) | Restore the default read barcode settings

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Chinese Character Output Mode

This barcode scanner supports Chinese character output from QR codes, but requires configuration of the output data encoding format. (GBK format is compatible with Notepad and Excel, while UTF-8 format works with Word)

To set output data encoding format to UTF-8
(Scan the following 2 barcodes in sequence)

To set output data encoding format to GBK
(Scan the following 2 barcodes in sequence)

Function settings

Normal mode (Instant data upload) | Counting mode (storage mode)

Data upload | Display the total number of stored items (the counting mode is applicable)

Clear counting data (use with caution)

1.**Normal mode**: scan the barcode into the normal mode, in which the scanning results will be uploaded to the computer in time (this mode is the default mode).

2.**Counting mode**: scan the barcode to enter the counting mode, in which the scanning results will be stored in the internal memory (when the internal memory is used up, the buzzer will beep three times for prompt)

3.**Data upload**: scanning the barcode can upload the data stored in the internal memory to the computer in turn (please ensure that the wireless signal is normal when uploading the data in the inventory mode, the buzzer will beep once if the data upload is successful, and the buzzer will beep three times if the data upload fails)

4.**Display the total number of stored data**: scanning the barcode will display the number of all stored data (the counting mode is applicable).

5.**Clear counting data**: scanning the barcode will clear all internal memory data.

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Wireless Transmission Pairing Settings

I. 2.4G Wireless Receiver Pairing Settings

1. Remove the receiver from the computer or base and first scan the "2.4G Wireless Mode Code".

2.4G Wireless Mode Code

2. Scan the "Receiver Re-pairing Setup Code". At this point, the LED signal indicator will blink, and scanning will be temporarily disabled.

Receiver Re-pairing Setup Code

3. Wait until the LED white signal light flashes rapidly and continuously. Within one minute, insert the receiver into the computer or base. A beep sound will confirm successful pairing. The receiver can only be paired with one scanner.

II. Bluetooth Wireless Pairing Settings

1. The default Bluetooth name for this scanner is 14970WB HID. First, scan the "Bluetooth HID Wireless Mode Code", then scan the "Bluetooth Pairing Setup Code".

Bluetooth HID Wireless Mode Code

Bluetooth Pairing Setup Code

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2. When the LED green signal light starts flashing rapidly and continuously, within one minute, you should enable Bluetooth on your target device, search for and select "14970WB HID" to connect. You will hear a confirmation beep after successful pairing. The scanner can only maintain one active Bluetooth connection at a time.

Note: When using with mobile devices, we recommend disabling physical keyboard input and text prediction features.

III. Bluetooth Mode Data Transfer Speed Settings

The default data transfer speed for the scanner in Bluetooth mode is "Normal Transfer".

Note: Due to differences in connected devices, the Bluetooth transfer speed can be set to either "Normal Transfer" or "Low Speed Transfer" to ensure accurate data upload.

Normal Transfer

Low Speed Transfer

Decode sound settings

Turn off decoding sound | Turn on decoding sound

Indicator Description

Indicator	Explain
The green light is on	The scanning indicator lamp flashes briefly when the barcode is successfully read
The red light is on	If the red light is always on, it means charging; if the red light is off, it means charging is full or not connected
Green light flashing	Pairing status in 2.4G mode
Green light slow flashing	Module is in upgrade state
LED battery light flashing:	Charging

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Sound description

Honking mode	Explain
A long sound	Indicates that the power is on
A short sound	It indicates that the normal barcode is read, or the pairing is successful, or the wireless connection is successful
three short sounds	It indicates that the normal barcode is read, or the pairing is successful, or the wireless connection is successful
Five short sounds and stop scanning	Indicates that the battery is low (please charge it in time)
two long sounds	Indicates wireless disconnection
two short sounds	Indicates that the scanned setup code does not work.

Power display

Display remaining power

Vibrating Alert

Turn on vibrating alert | Turn off vibrating alert

Sleep Time Settings

Sleep time of 1 minute | Sleep time of 5 minutes

Sleep time of 10 minutes | Sleep time of 20 minutes

Simple maintenance method

1.The dirt and dust on the scanning window sometimes affect the work of the scanner. When cleaning, you should use high-quality facial tissue paper, gently wipe it, and then blow it with a blowing balloon. If the paper with poor quality is used for wiping for a long time, the surface finish of the scanning window will be damaged and the reading effect of the scanner will be affected.

2.The shell of the scanner can be wiped with a soft cleaning cloth. If necessary, a small amount of detergent can be added with water, and then wiped with soft cloth dipped in water.

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Troubleshooting

NO.	Problem	Possible causes	Solution
1	No power on or power off immediately after power on	Mainly caused by low battery power	Please charge in time to ensure sufficient power (the red light is on when charging, and off when fully charged)
2	Barcode data is not uploaded	Scanner and receiver are not paired successfully	Please ensure whether the wireless barcode scanner and receiver are paired (if not, please pair again)
		The distance between the barcode scanner and the receiver is too far	Please check whether the wireless barcode scanner has a signal data upload (if the buzzer "beeps" three times in a row, it indicates that the signal is insufficient). The scanner needs to be close to the receiver or switched to the inventory mode
3	There is a Laser line, but the barcode cannot be read	Bar code is not enabled	Open the code system by reading the setting code
		Bar code is damaged	Please try scanning other barcodes with the same barcode type
		Improper distance between scanner and barcode	Please move the barcode scanner near or far away from the barcode
		The height of the barcode scanner is not enough to completely cover the barcode	Read the barcode after aligning it
4	The scanned data is displayed incorrectly on the host	Input method error	Convert the input method to the standard English input method
		Other settings have been made to the scanner	Restore the scanner parameters to the factory settings, or contact the manufacturer's service center
5	The barcode characters are garbled or wrong	The keyboard country setting of the barcode scanner does not match the country where the keyboard is used	Set the barcode scanner keyboard country to match the country where the keyboard is used
6	Other conditions cannot be decoded	Device transfer error	Turn off the power supply of the equipment, connect the equipment and the scanner correctly, turn on the power supply of the equipment, restore the parameters of the scanning platform to the factory settings and scan the code again

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Maintenance

Our company is responsible for free maintenance in case of product failure within one year of normal use from the date of purchase.

The start date of the warranty period is subject to the purchase date and invoice of the product warranty card

Please show the product warranty card and invoice during maintenance.

Please keep this warranty card properly. If it is lost, it will not be replaced. The purchase date filled in must be consistent with the invoice number, otherwise it will be invalid.

This card cannot be altered, otherwise it will be invalid. For products beyond the warranty period or not subject to free maintenance, the maintenance service center of our company is still enthusiastic to serve you.

One of the following conditions does not belong to the scope of free maintenance:
1.products beyond the warranty period
2. Those who cannot provide purchase invoices or valid vouchers.
3. The appearance is naturally old due to use, and the consumer requires updating.
4. Failure caused by failure to use according to the instructions
5. Failure caused by falling or collision.
6. Failure caused by self assembly, disassembly and repair.
7. Samples and processed products for commercial display and products with performance overload test

The table of toxic and hazardous substances/elements and their content

Part name	Hazardous and noxious substance or elements					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Cable	○	○	○	○	○	○
Electronic parts	×	○	○	○	○	○
Injection molded parts	○	○	○	○	○	○

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Declaration

1. This product complies with the requirements for Class F general low-power devices as specified in the "Catalog and Technical Requirements for Short-Range Micro-Power Radio Transmission Equipment." Operating frequency: 2400~2483.5 MHz, maximum transmit power: 10 mW (e.i.r.p), frequency tolerance: 75 kHz. The product is equipped with a spring antenna, GFSK modulation, and an antenna gain of 3.5 dBi.

2. Users shall not modify the usage scenario or conditions, extend the transmission frequency range, increase the transmit power (including adding external RF power amplifiers), or alter the transmission antenna without authorization.

3. This product must not cause harmful interference to other lawful radio stations or claim protection against such interference.

4. The product must tolerate interference from industrial, scientific, and medical (ISM) equipment emitting RF energy, as well as interference from lawful radio stations.

5. If harmful interference is caused to other lawful radio stations, the user must immediately cease operation and may only resume use after taking measures to eliminate the interference.

6. When using this micro-power device in aircraft or within electromagnetic protection zones—such as radio astronomy observatories, weather radar stations, satellite earth stations (including tracking, telemetry, command, and navigation stations), and other military/civilian radio stations or airports—users must comply with electromagnetic environmental protection regulations and relevant industry authorities.

7. The use of any type of model remote controller is prohibited within a 5,000-meter radius centered on an airport runway.

WARRANTY CARD

Customer Name		Phone		Postcode	
Mailing Address					
Product Name			Model		
Date of Purchase					
Province		City/town			

REPAIR FORM

Date	Description	Replaced parts		Maintenance Technician
		Name	Quantity	

★ For any question, please contact your local dealer.