

2.4G/Bluetooth wireless scanner

Quick Start Guide

Precautions

1. Please read this user manual carefully before using this barcode scanner.

2. The scanner's operating voltage is 3.3V and the charging voltage is 5V. Please use our original cable and power adapter to ensure the scanner works normally.

3. Copyright and patent rights

This product and its accessories (including firmware, setup software, documentation, appearance, etc.) have applied for multiple patents, copyrights, and software copyrights.

4. The company reserves all rights and the company reserves the right to make changes to any product to improve its reliability, improve its function or design. The company is not responsible for any product liability arising out of or in connection with the application or use of any product, circuit, or other application described herein.

5. Accessories for the scanner

Wireless scanner standard configuration: one scanner, one receiver, one USB cable, one manual, and one product . Optional accessories include: bracket.

6. The contents of this manual are subject to change without notice.

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Introduction

The company's series of bar code scanners with powerful scanning light source and enhanced long-distance scanning technology make it possible to quickly read damage, dirty and poorly printed bar codes in long distances under various lighting conditions. Durable, industrial grade protection ensures stability and durability. The high volume buzzer allows the scanner to require scanning confirmation in addition to LEDs in noisy industrial environments, and industrial grade protection ensures stability and durability.

Characteristic

Wired and wireless dual mode free switching and all kinds of PC one-button matching

Outdoor 100 meters visual transmission distance (2.4G function)

Outdoor 30m visual transmission distance (Bluetooth function) Large-capacity storage, safe and reliable

Offline scanning can store more than 80,000 barcodes, support real-time mode, storage mode and freely switch

Support Windows XP, Win7, Win8, Win10, system PC. Android devices, iOS devices, Mac devices

Supports Bluetooth HID protocol, SPP protocol, BLE protocol's unique power management system, long

standby time

Many decoding types

Imported button, long life and good feel

Support for personalization (volume, language, transfer speed, add end)

List of items:

1 scanner, 1 data line, 1 receiver, 1 quick guide

Application

* Suitable for commercial (electrical appliances, books, clothing, medicine, cosmetics, etc.), retail, postal, telecommunications, warehousing, logistics, public security systems, customs systems, banking systems, medical systems

* Compatible with Microsoft: Android, Linux, windows98 (included) and above, all plug and play, no need to install drivers: compatible with all kinds of POS machines, flat

Board computers, cash registers, tax control machines and other equipment. Compatible with all kinds of third-party software such as retail, invoicing, ERP, warehouse management.

* Multi-national keyboard language

Performance parameter

Wired and wireless dual mode free switching

Storage space: 2Mb

Decoder chip: ARM Cortex 32 bit

Bluetooth module: Bluetooth 4.1Module band
3.0Module

Prompt mode: LED light, buzzer

charging voltage / current: 5V/1A

2.4G transmission distance: >100m (visible distance)

Bluetooth transmission distance: >30m (visible distance)

Operating environment parameters

Operating environment: -10~40°C

Storage environment: -20~40°C

Operating humidity: 5-85%

Storage humidity: 5-85%

Seismic resistance: Free fall 2m drop

Scanner installation and use

The scanner has two modes: 2.4G wireless transmission mode and USB wired transmission. After the button wakes up the scanner, the scanner will automatically identify whether the data cable is connected. If the data line is recognized, it enters the wired mode, and the data is transmitted through the USB cable: if the data line is not recognized, the wireless mode is automatically entered, and the data is transmitted through 2.4G wirelessly, and the receiver needs to be connected to the computer to realize data transmission.

Bluetooth HID mode: match with Android, iOS mobile phone or PC terminal with Bluetooth function (optional)

Method 1: Manually enter the Bluetooth HID mode

A: Start the scanner, press and hold for 8 seconds, enter the Bluetooth HID pairing mode, the blue and green lights flash alternately B: Turn on the Bluetooth in the device, search for Barcode Scanner HID

C: Click on the Bluetooth device to enter the pairing status.

D: The pairing succeeds "Di" , the blue light is always on, in Bluetooth mode, the Android system device needs to switch to the English input method.

Method 2: Scan into Bluetooth HID mode

A : Start scanner, scanning "entering code"

B: Scan the code of "entering bluetooth HID



Enter setting mode



Enter Bluetooth HID

mode

c: scanning the below code to enter pairing mode, Blue and green

lights flash alternately



Enter pairing situation

D: open the bluetooth in the device, search "Bar code Scanner HID"

E: click this bluetooth device , enter pairing

F: pair successfully," Di" one sound, and green light is on

Bluetooth SPP/BLE mode: Android device or PC side enterprise or private customized Bluetooth serial port software (optional)

A : Start the scanner, then scanning " enter setting

mode" code

B: Scan Bluetooth

SPP mode



Enter setting mode



Enter SPP mode



Enter BLE mode

C: Enter waiting for pairing status, blue light flashes

D: Connect Bluetooth to your custom software and search for Barcode Scanner SPP /BLE

E: The pairing is successful, and the green light is always on.

Bluetooth name setting

A : start the scanner, scan

B: scanning the code

“bluetooth name setting”

“read Bluetooth name”



Bluetooth name setting

Read Bluetooth name

B : Select the required personalized barcode (please be cautious before reading the following instructions, thank you)

How to set the Bluetooth name: first scan the Bluetooth name barcode, then scan a barcode.

This barcode will be set to the name of the Bluetooth.

Note: a) The name can only be set up to 16 bytes. If the name barcode exceeds 16 bytes, the scan code gun only takes the first 16 bytes as the Bluetooth name.

b) Bluetooth full name includes: Bluetooth name + protocol type, only supports modification of Bluetooth name. After modifying the Bluetooth name, the names of all Bluetooth protocols have changed.

For example, if the Bluetooth name is set to: Scanner, the name of the Bluetooth HID is: Scanner HID, the name of the SPP is: Scanner SPP, and the name of the BLE is: Scanner BLE

Note: When the Bluetooth HID connection is successful and the English keyboard is double clicked, the keyboard can be popped/hidden. (effective in IOS system)



Bluetooth HID mode Keyboard

popped /hidden



Close button double-click
on the

keyboard pop-up/hide



Open button, double-click on
keyboard popped/hidden

2.4G mode (with pairing devices without Bluetooth, support XP/WIN7/WIN8/WIN10)

A : start scanner , scanning code entering 2.4G mode



2.4G mode

B: scanning the code of forcing pairing with receiver ,blue and green light flashing Alternately



force pairing with receiver

C: after plug the receiver, you will hear " Di " sound, pairing successfully ,Green light is on.

Real-time mod

In real-time mode, the scanned data is directly transmitted to the computer by wire or wirelessly. After the transmission is successful, the scanner will emit a low-frequency short tone, and the green indicator will flash once.

If the transmission fails, 3 low frequency short tones are issued to alert

The green light flashes 3 times.

In real-time mode, if the transmission fails, the scanned barcode will be lost.



Enter real-time mode

Warehousing mode

Warehousing mode is recommended if the scanner is operating outside of the wireless transmission range. In warehousing mode, the scanned data is stored in the scanner's internal storage. In the storage mode, after scanning a bar code, the scanner will emit a short tone (the frequency is low first and then high), and the green light flashes once, and the scanned bar code is automatically stored in the scanner memory. If the internal memory is full, the scanner will emit 3 low-frequency short tones. To alarm, at the same time, the green light flashes 3 times.



Enter inventory mode

check the number of barcodes stored in the warehouse by scanning the "Show Total Storage Items" barcode. :



Show count total entries

Upload warehousing data by scanning the “ Data Upload ” barcode. After the data is uploaded, the barcode stored in the scanner will not be deleted automatically. The user uploads the warehouse data multiple times by scanning the “data upload” .



Upload the data

Note: When uploading data, please try to ensure that the wireless signal is well connected or connected Upload the data through data line.

By scanning the “Clear Warehousing Data” barcode to clear the barcode data in the storage area, the barcode will not be uploaded after it is cleared. Please confirm whether the data has been uploaded before clearing.



Clear count data

Initialization settings

If you accidentally scan other function setting codes during use, The function cannot be used normally, and can be restored to the initialization state by scanning the initialization barcode.



Factory default setting



Set to default mode

version number



Display version information

Communication mode switching

Select the desired communication mode (mode 4 is selected)



2.4G mode



Bluetooth HIP mode



Bluetooth SPP mode



Bluetooth BLE mode

Battery level display



Battery display

Sleep time setting

Select sleep time interval barcode



sleep time 30s



sleep time 60s



sleep time 5 mins



sleep time 10 mins



sleep time 30 mins



No sleep



Sleep mode at on

Language setting

Choose the keyboard language you need



English



German



French



Spanish



Italian



Japanese



International



Portuguese

Sound settings

Select sound and volume on/off adjustment barcode



Mute



Low volume



Medium volume



High Volume



Scanning head sound



Master MCU sounds



Vibration on



Vibration off

Transmission speed setting

Select the desired transmission rate (rate selection is related with bar code reading)



Fast transmission

(used in 2.4G mode)



Medium speed transmission

(recommended IOS system in bluetooth mode)



Low speed transmission

(recommended for Bluetooth mode in Android)



Ultra low speed transmission

(recommended test mode used)

Ending add settings

Select you want to add at the end



Add Enter at the end



Add Tab at the end



Add Enter and Tab at the end



Add Tab at the end



No add Tab at the end



Force conversion to lowercase



Force conversion to uppercase



Capitalization interchange



Do not convert capitalization

Set/Hide suffixes

Scan the "Add Prefix" and "Add Suffix" setting codes

Hide the barcode method, firstly, scan the front of the hidden barcode or hide the back of the barcode, and then scan the hidden digits. hide up to 4 bytes.



Add prefix



add suffix



Hide front part of bar code



Hide back part of bar code



Hide 1 digits



Hide 2 digits



Hide 3 digits



Hide 4 digits

Scanning mode setting



Start setting



Key scan (default)



Auto scanning



Continuous scanning



Close setting

Barcode open setting



Start setting



Open Micro PDF 417



Close Micro PDF 417 (default)



Open Aztec



Close Aztec (default)



Open Maxi Code



Close Maxi Code (default)



Close setting

LED light

Basic function description of the indicator light:

A steady red light indicates charging, red light off indicates full or no wired charging, red light flashing indicates no battery installed or the battery is not installed well

B The blue light is steady on, indicating that the wireless or wired connection is normal.

C Green light flashing indicates pairing status in 2.4G mode

D Green light flashing quickly to indicate the pairing status in SPP mode

E Green and blue lights flash alternately to indicate pairing status in HID mode

F Green and blue light flashing synchronously indicates pairing status in BLE mode

G Green and blue light synchronously flashing indicates entering upgrade status

Buzzer

A. One long sound (first lower then high frequency)
Indicates that power on means power on

B. One long sound (first high then low frequency)
Indicates that power on means power off

C. One short sound (low frequency)
Indicates that the normal barcode is read, or the pairing is successful, or the wireless connection is successful.

D. One short sound (first lower then high frequency)
Indicates that scanned data is stored in the storage area

- E. One short sound (first high then low frequency)
Indicates the setup code was scanned
- F. Three short sounds (low frequency)
Indicates that the wireless transmission failed or the storage is full
- G. Five short tones (low frequency) and stop scanning
Indicates the battery is power off.
- H. Two short tones (low frequency)
Indicates wireless disconnection
- I. Two short tones (high frequency)
Indicates the scanned setup code is not working

Common problem

▶ How to do if I can't connect to my Android phone bluetooth?

Make sure that the phone is android 3.0 or above and you can connect directly

▶ Why we can't scan for some barcodes ?

Because some of the less commonly used barcodes are turned off by default at the factory, you can scan them normally by turning on the corresponding barcode settings. If you don't know the barcode type, please contact the manufacturer.

▶ Why I can't upload barcodes to my computer or mobile phone after pairing?

A. Confirm whether the pairing is successful, the scanner LED display is blue if pairing bluetooth successfully

B. Whether the counting function has been enabled (the bar code will not be uploaded automatically in the inventory mode), you need to manually scan the corresponding barcode upload)

C. Change to normal mode, you can upload while scanning

► **How to do if the computer or mobile phone cannot find the scanner bluetooth?**

Make sure whether the selected communication mode is Bluetooth HID mode. Because other communication modes require related test tools, please contact the manufacturer if you need it.

► **The Bluetooth scanner has been connected to the phone or computer. How do I pair it with the phone or computer again?**

Delete the paired Bluetooth in the Bluetooth search interface, then re-pair the search connection

► **What should I do if scanners can't connect the device after I re-plug the Bluetooth adapter or restart my phone ?**

To ensure that the computer or mobile phone is not connected to other Bluetooth devices or the scanning device is not re-paired with other computers or mobile phones, restart the Bluetooth scanner. auto connect

► **Why I can't connect to the device after switching the communication mode?**

Delete the paired Bluetooth device after switching modes, reconnect the pair to connect the device

►How to change more scan settings

Please contact the manufacturer

common problem	Possible reasons	solution
Can Scan but not upload	<ol style="list-style-type: none">1. Not paired correctly2. Enter the storage mode3. Scan module program error	Please re-pair Please set the normal mode, please restore the factory settings.
Can' t scan bar code	<ol style="list-style-type: none">1. Barcode system is not turned on2. Code printing error3. This barcode type is not supported.4. This barcode level is not supported.	Open related code system Check the correctness of the bar code content and replace the scanning module. Replace the scanning module
Can' t open	<ol style="list-style-type: none">1. The battery is too low2. Button damage	Please charge Please return to the factory for repair
No charging	Battery or charging circuit is damaged	Please return to the factory for repair

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For natural disasters that exceed our ability to act

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