

*Bluetooth&2.4G*

# **2D Wireless Barcode scanner Manual Guide**

**Low-power technology**

**Full ASCII character editing**

**Support Function key & Composite key**

**25 Language supported**

**V6.1**



## Specification

TYPE	Distance	Memory=2M
Bluetooth	≤50m	2000 (characters/barcode≤500)
2.4G	≤100m	
Working current: 3.3Vx120mA		Standby current : 18uA-5mA
Working time : 3 to 7 days		Charging power: 5V-400mA
<b>Scanner parameters:</b>		
Light aimer : 617nm LED		Illumination : 6500K LEDs
Sensor : 640*480 CMOS		Indication: Buzzer & LED
Trigger Mode: Button, Auto-Induction		
Depth of Field	250Lux@Code39	
	4mil	60mm-100mm
	15mil	40mm-200mm
	30mil	40mm-400mm
		Resolution : 4mil
		CPU: ARM 32-bit Cortex
		Printing Contract : >25%
		Decoding speed : 500/sec
Scanning angle: Angle of rotation360°, inclination± 65°, declination ± 60°		
Anti-interference : 0-100000Lux Max		
Decode Capability : 1D : UPC-A , UPC-E , EAN-8 , EAN-13 , Code 128 , Code 39 , Code 93 , Code 11 , Interleaved 2 of 5 , Matrix 2 of 5 , Standard 2 of 5 , Coda bar , MSI Plessey , RSS , etc. 2D: QR Code, Data Matrix , PDF417 , etc.		
Button life : 500,000 times		LED life: 100000 hours
Drop test : 1.5m		Interface: USB, USB-COM
Certificate : CE, FCC, RoHS		

# Switch instructions

## Bluetooth/2.4G

◆The first boot, the scanner works in Bluetooth mode。

◆Scan “Restore defaults” settings barcode, the scanner will be set to Bluetooth-mode。

Press the button, the buzzer rang “Di-di-di”, The red light flashing and the blue light is on which means in matching mode.

## ■Switch operation

1, Scan the settings barcode



Bluetooth-mode



2.4G-mode

2, Press and hold the button for 10seconds

## ■Switch process description

► In Bluetooth mode, Press and hold the button for 10seconds, the buzzer rang “ Di-da-di”, “DI-di-di”. Means that the switching operation is complete, Release the button, The green light is on which means the scanner successfully switches to 2.4G-mode.

► In 2.4G mode, Press and hold the button for 10seconds, the buzzer rang “ Di-da-di”, “DI-di-di”. Means that the switching operation is complete, Release the button, The blue light is on which means the scanner successfully switches to Bluetooth-mode.

## ■Status lights

Bluetooth status lights=blue

2.4G status lights=green

# General Settings

Scan barcode to setup scanner



Restore defaults(restore factory settings)

## ■How to use the scanner (2.4G)?

- 1, Press the button, the buzzer rang “Di-di-di” , the status light is on, the scanner starts.
- 2, Plug the receiver to your computer, the blue light is on, the receiver starts to work.
- 3, Please match the receiver and the scanner within 30 seconds!
- 4, Open a text, put the cursor in, Scan any barcode to see if the barcode can be uploaded.



Match(match the scanner and the receiver)

## ■Matching Operation

Plug the receiver to your computer, when it start to work ,Match the scanner and the receiver by scan the “Match” Barcode.

- (1) Matching successfully, the buzzer rang “ Di-da-di” , “DI-di-di”.
- (2) Matching failed, the buzzer rang “ Di---en”.

## ■Network Mode : One to one , More to one

### ►One to one —one scanner to one receiver

- 1, plug the receiver to your computer
- 2, scan the “Match” bar code to Match the receiver

### ►More to one —several scanner to one receiver

If you have 2 scanners: scanner A, scanner B,

- 1, Plug the receiver to your computer
- 2, Match for the scanner A: A scan the “Match” Barcode.
- 3, Unplug the receiver and Plug the receiver again.
- 4, Match for the scanner B: B scan the “Match” Barcode.

After that ,2 scanners can transmit the data to the receiver.

## Working Mode

■ **Two upload mode:** Instant upload mode、storage mode.

► **Instant upload Mode:** Instant upload data to your computer



Instant upload Mode

(1) Upload successfully: The status light flashed and the buzzer rang “ Di ”.

(2) Upload failed: The red light flashed and the buzzer rang “ Di---en”.

► **Storage Mode :** Scan and store barcode inside the scanner, and uploaded the data to your computer when you need it.



Storage Mode



Show total storage  
(Show total number of memory)



Upload Data  
(Upload Data to your computer)



High upload speed -default



Low upload speed



Zero clearing (clear all data in scanner)

1, Save successfully: The status light flashed and the buzzer rang “ Di-en ”

2, Save failed: The red light flashed and the buzzer range “ Di---en”, This indicates that there was not enough memory to save the bar code. Please upload the saved bar code by scanning “ Upload Date ” and then clear the Memory by scanning “ Zero cleaning ” .

3, Upload completed: the buzzer rang “ Di-do-en ”.

## Power and Standby Setup



Battery Reserve (show battery level)

### Set the time for automatic shutdown



50 seconds shutdown



2 minutes shutdown-Default



5 minutes shutdown



30 minutes shutdown















### Battery level indication

1. The scanner starts, when the buzzer rang “Di-di-di” and the status light is on with no red light flashing, it indicates that the battery is sufficient
2. The scanner starts, when the buzzer rang “Di-di-di” and the status light is on with the red light flashes three times, it indicates that the battery less than 30%, please charge the scanner as soon as possible
3. The scanner starts, when the buzzer doesn’t make a sound and the status light is off with the red light flashes three times. It indicates that the battery less than 20%. The scanner enters the low battery protection mode. Please charge the scanner at least for 30 minutes before using
4. Press the button, the scanner does not respond. Please charge the scanner at least for 30 minutes. If the scanner still cannot start, this indicates that the battery is broken and needs to be replaced.

















### LED tips during charging

Plugged the USB cable into the USB port of computer

1. Charging mode: the status light is on with the red light flashing
2. Charging completed: the status light is on and the red light goes out
3. Micro-current charging: the status light off and the red light flashing (Note: This is battery protection phase, please do not use it in this condition)

End Mark	
 CR	 CR+LF
 Tab	 None
Interface setup	
 USB_HID	 USB virtual COM
Buzzer Setup	
 Volume Off	 Low volume
 Medium volume	 High volume -Default
Duplicate barcode upload Setup	
 Duplicate detection-ON (Unable to upload duplicate barcode)	 Duplicate detection-OFF -Default (upload duplicate barcode)
 Duplicate detection-1s	 Duplicate detection-10s

# Language

 <p>UNITED STATES</p>	 <p>BELGIUM</p>
 <p>BRAZIL</p>	 <p>DENMARK</p>
 <p>FRANCE</p>	 <p>GERMANY</p>
 <p>HUNGARY</p>	 <p>ITALY</p>
 <p>LATIN AMERICA</p>	 <p>NETHERLANDS</p>
 <p>NORWAY</p>	 <p>PORTUGAL</p>
 <p>SPAIN</p>	 <p>SWEDEN</p>
 <p>UNITED KINGDOM</p>	 <p>UNIVERSAL</p>
<p><i>Note: Support 25 languages .</i></p>	

# Bluetooth- Setup Guide

## Bluetooth Mode



HID-mode-Default



SPP-mode=virtual COM

## HID-speed



HID fast- Default



HID slow

If the data is lost, Please set the slow speed



Show/Hide IOS keyboard or double-click the button



Off connection



Connect to just Host



Clear all matching records



Shutdown

## Match instructions



Match

Scan "Math" barcode, the scanner enters the pairing mode

The Scanner name: "Scanner xxx".

Please distinguish between the 2.4G receiver and the Bluetooth receiver.

**For Android、IOS**

- 1, Press the button, the buzzer rang "Di-di-di", The red light flashing and the blue light is on which means in matching mode.
- 2, Choose the scanner is going to pair with the host , When the connection is successful, the red light goes out and the blue light is on , the buzzer rang "DI-di".

**For Windows XP**

- 1, Insert the Bluetooth receiver, the computer will automatically install the drive.
- 2, Press the button, the buzzer rang "Di-di-di", The red light flashing and the blue light is on which means in matching mode.
- 3, Open the Control Panel, click "Bluetooth device"→ click the Add button, Then, Select "My device is set up and ready, you can find", click Next, The computer will search "Scanner xxx"
- 4, Double-click the device, The dialog box appears, choose not to use keys, click" Next", the computer will install the driver , When the connection is successful, the red light goes out and the blue light is on , the buzzer rang "DI-di".

**For Windows 7**

- 1, Insert the Bluetooth receiver, the computer will automatically install the drive.
- 2, Press the button, the buzzer rang "Di-di-di", The red light flashing and the blue light is on which means in matching mode.
- 4, Open the Control Panel, click on the "Add a device", the computer will search "Scanner xxx"
- 5, Double-click the device, the computer will automatically install the driver , When the connection is successful, the red light goes out and the blue light is on , the buzzer rang "DI-di".

**For Windows 8/10**

- 1, Insert the Bluetooth receiver, the computer will automatically install the drive.
- 2, Press the button, the buzzer rang "Di-di-di", The red light flashing and the blue light is on which means in matching mode.
- 4, Open the Control Panel, click on the "Add a device", the computer will search "Scanner xxx".
- 5, click the device and click "Next", the computer will install the driver, When the connection is successful, the red light goes out and the blue light is on , the buzzer rang "DI-di".

## Frequently ask question

**Question:** Press the key, the red laser appear and then goes out, but there is no bar code display in the input box?

**Answer:**

1. The USB receiver has not plugged into the computer USB port, please make sure that the USB receiver has been fully plugged into the USB port.
2. The USB port of the computer is out of condition, please plugged the USB receiver into the USB port of another computer to test
3. The USB receiver is not matched with scanner yet, or the scanner is set to "storage mode" or "USB Virtual COM", please unplugged the USB receiver and plugged it again, then scan the following barcode in turn, "Restore defaults", "Match", "Instant upload mode", "USB\_HID",
4. The cursor is not in the input text box, please make sure the cursor is in the input box where you want to upload the barcode.
5. If the USB receiver indicator goes out or flasher, it indicates that the receiver is broken.

**Question:** Press the button, the scanner is not laser?

**Answer:**

1. The battery less than 20%. The scanner enters the low battery protection mode. Please charge the scanner at least for 30 minutes before using.
2. The laser engine is damaged and needs to be replaced.

**Question:** Read the barcode, the barcode data will be lost?

**Answer:** Slow down the HID speed of the scanner.

**Question:** Barcode characters is wrong?

**Answer:**

- 1.Set the scanner keyboard nations with using the keyboard.
- 2.Set more slow HID speed (in Mac)



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