

**1D**

**Wireless Barcode Scanner  
Manual Guide**

**\*32-bit high-speed CPU    \*25 language settings**



## Specification

TYPE	Distance	Memory	
433M	≤400m	150000 barcodes	
Working current: 3.5Vx40mA		Standby current : 18uA-5mA	
Working time : 3 to 10 days		Charging power: 5V-400mA	
<b>Scanner parameters:</b>			
Scanning type : bi-directional		Light source: 650±20nm VLD	
Scanning width : 30cm		BER : 1/20million	
Printing Contract : >25%		Indication: Buzzer & LED	
Trigger Mode: Button, Continuous, Auto-Induction (Optional)			
D e  O  F i	3mil	2mm-100mm	CPU: ARM 32-bit Cortex  Resolution : 3mil  Decoding speed: 300/sec
	10mil	2mm-350mm	
	15mil	5mm-500mm	
	30mil	10mm-800mm	
Scanning angle: Angle of rotation±30°, inclination±45°, declination ± 60°			
Anti-interference: No influence working under strong light and sunshine			
Decode Capability: UPC/EAN、Code128、Code39、Code 39Full ASCII、Coda bar、industrial /Interleaved 2 of 5 Code93、MSI、Code11、ISBN、ISSN、China post、GS1 Databar、Code32、etc.			
Button life : 8000,000 times		laser life: 12000 hours	
Drop test : 2.0m		Interface: USB, USB-COM	
Certificate : CE, FCC, RoHS, IP54			

## General Settings

## Scan barcode to setup scanner



Restore defaults(restore factory settings)

## ■ How to use the scanner ?

- 1, Press the button, the buzzer rang "Di-di-di" , the blue 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 blue 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 blue 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 blue 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 blue 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 blue 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 blue light is on with the red light flashing
2. Charging completed: the blue light is on and the red light goes out
3. Micro-current charging: the blue light off and the red light flashing (Note: This is battery protection phase, please do not use it in this condition)

## General Settings-2

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
Trigger Mode	
 Keys Trigger	 Continuous Mode
Duplicate barcode upload Setup	
 Duplicate detection-ON (Unable to upload duplicate barcode)	 Duplicate detection-OFF -Default (upload duplicate barcode)

## Language

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

## 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)



**FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.