

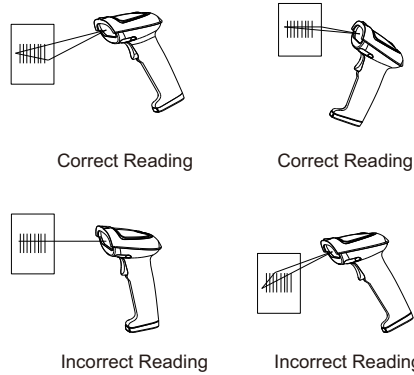
# 1D Laser Barcode Scanner User Manual



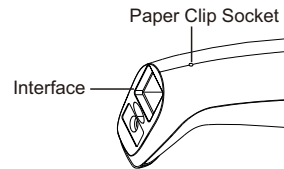
Version

## Correct usage of barcode scanner :

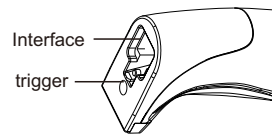
- (1) Make sure barcode scanner, cable ,host device connect properly ;
- (2) Press trigger button and the red laser line appears , and move the laser line to cover barcodes completely , adjust barcode scanner's distance and angle to figure out best reading status ;
- (3) Do not scan the setting barcodes in the manual without instruction ,it may cause barcode scanner not work properly ;
- (4) Avoid 90 degree to read barcodes.



## Structure Chart :



Insert paper clip into the socket and press to remove device cable



Press trigger to remove device cable

## Product feature :

- (1) Support to read 1D standard barcodes such as EAN13, industrial 2 of 5,UPC etc;
- (2) Fast and accurate reading ,max to 150scans/sec;
- (3) Eco and affordable item which with stable performance;
- (4) Plug and play ,easy to use.

## Technical Parameter :

| Barcode scanner       |   |
|-----------------------|---|
| Data Item             | Performance Parameters  |
| Light Sources         | 650nm(Safe visible laser diode)   |
| Supported Symbologies | UPC- A, UPC-E, EAN-13, EAN-8, Codabar, Code 39,Code 39 Full ASCII, China Post, Plessey,MSI,Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5,Matrix 2 of 5, Code 11, ISBN, ISSN, Code 32 (Italian pharm code), Code 39 extended, GS1-128 and ITF-14, SISAS, GS1 Omnidirectional, GS1 Limited, Aviation25, RSS 14. |
| Resolution            | ≥3mil   |
| Scan Type             | Single Laser  |
| Scan Speed            | ≥150 times/s  |
| Scan Mode             | Manual/Continuous/Automatic scanning  |
| Scan Mode             | Yaw 65°,Rotation 30°,Pitch 55°  |
| Depth of scan field   | 10-280mm(0.33mm,PCS90%)   |
| Interface             | USB-HID,USB-COM,PS2,RS232   |
| Error Rate            | Less than 1/5 million   |
| Cable Length          | 2M  |
| Material              | ABS+PC  |
| Current               | 85mA  |
| Voltage               | DC5V±1%   |
| Drop/Shock Resistance | With stands multiple times 3 meters drops to concrete   |
| Operating Temperature | -20°C - 50°C  |
| Storage Temperature   | -40°C- 70°C   |
| Relative Humidity     | 5% - 95% RH(Non-condensing)   |

## Basic configuration

### Factory Default



Note :Factory Default interface is USB-HID

## Setup instruction

Eg :add suffix "CR"

Step 1:Scan " Factory Default"



Step 2: Scan "CR"



## Interface



USB-HID (default)



USB-COM



PS2



RS 232

## Interface notes:

- (1) USB-HID Mode: Factory default mode,automatically identify and install driver;
- (2) RS232 Mode:Require special customized RS232 cable and designated serial port APP; (Default parameters :Baud Rate 9600 Data Bit:8bits Stop Bit :1bit Check Bit :None)
- (3) USB-COM ,Required to install special driver (Claim it from distributor);
- (4) PS2 Mode :It need to reboot the device to activate barcode scanner.

## Scan mode



Manual(default)



Continuous



Auto-Flashing

## Auto-sense mode



Enable



Disable

## Buzzer



OFF



ON



Low



High

### Image Inverted



Direct



Reverse

### Keyboard language



USA(default)



British



France



Germany



Italy



Japan



Canada



Russia

### Suffix setting



CR(default)



CR & LF



None

### USB-COM, RS232 serial port baud rate Settings



4800



9600



19200



38400



57600



115200

Note:Baud Rate must be same between barcode scanner and serial port APP  
Eg:Barcode Scanner default Baud Rate is 9600, the APP must choose same Baud Rate 9600

### Symbology configuration



Enable UPCA to EAN13



Disable UPCA to EAN13 (default)



Enable UPCE to UPCA



Disable UPCE to UPCA (default)



Enable EAN13 to ISBN



Disable EAN 13 to ISBN (default)



Enable EAN13 to ISSN



Disable EAN 13 to ISSN (default)



Enable the 5-bit additional code



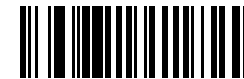
Enable the 2-bit additional code



Disable the additional code (default)



Hide front 1 digit character



Hide front 2 digit character



Hide front 3 digit character



Hide last 1 digit character



Hide last 2 digit character



Hide last 3 digit character



Prefix F7 before all barcodes