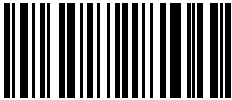


Wired Laser Barcode Scanner User Manual

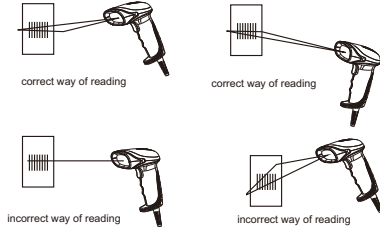


7 1 2 1 1 0 0 0 4

Thanks you for choosing our company's product. To have a better operating experience, please read this manual carefully.

Reading Angle

1. Maintain a bevel between the scanner and the bar code to make a best reading.
2. Do not keep the scanner in 90° with the bar code, otherwise the scanner can't read.
3. The scanner must aim at the bar code and the beam must cover the whole bar code. If not, error may occur.



Packing list:

- 1*barcode scanner
- 1*cable (USB/KB/COM)
- 1*user manual
- 1*Stand (optional)

Product Introduction

This barcode scanner has USB/KB/COM interface for user's choice. With advantages of quick decoding speed and easy operation, it should be a good solution for bar code identification.

If you have any questions about the functions and settings, please contact us for more details.

Our company reserves all rights of modifying and final explanation for the manual.

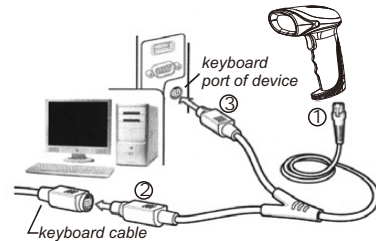
Connecting the Scanner

USB:

Connect the USB cable to the USB interface in the computer.

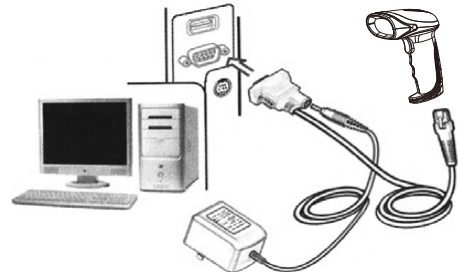
PS/2:

1. Shut off the power supply of the host.
2. Pull out the keyboard of the host.
3. Confirm the PS/2 cable is suitable for the connection of the host.
4. Connect the scanner to the host.
5. Connect the keyboard port to the PS/2 cable.
6. Open the host.



RS232:

1. Shut off the power supply of the host.
2. Confirm the connection is correct from the RS232 to the host.
3. Connect the AC adaptor to the power port of the scanner or connect the keyboard port of the host to the keyboard port of the scanner.
4. Open the host.
5. Scan the setup barcode to set the output mode as RS232 (serial mode).



Technical Parameters

Physical parameters

Material	ABS+TPE+PC
Power supply	DC 5V ±5%
Operating current	50ma(operating mode);30ma(standby mode); 100ma(maximum)
Quiescent current	20mA

Performance parameters

Interface	USB、RS232、PS/2
Baud rate	RS232 baudrate: 600-115200
Light source	Visible laser 650nm (National laser safety standard Class 1)
Decoding Capability	Code 39,Code 93,Code128,Code11,UCC/EAN-128, EAN-8,EAN-13,UPC-A,ISSN+2,ISBN+5,Industrial 25,etc.
Trigger model	Manual operation;Autosensing scanning; Continuous scanning
Sensing distance	15cm(100cm²)
Resolution	Minimum 0.1mm(4mils)
Depth of field	2—9cm(0.1mmbar width);3—50cm(0.3mm bar width)
Decoding speed	300scans/sec
Scan width	5cm—30cm
Prompt Mode	Buzzer, Indicator light
Contrast	30%
Contrast	Roll 30°、Pitch 75°、Yaw 65°
Cylinder Horizontal	Diameter 35mm

Environmental parameters

Operating Temp.	0 to 50 °C / 32 to 122 °F
Storage Temp.	0 to 50 °C / 32 to 122 °F
Operating Humidity	20 - 85% (non-condensing)
Storage Humidity	20 - 85% (non-condensing)
ESD Protection	15KV air discharge
Shock resistance	1.5m free fall on concrete surface

Automatic Function Settings

1.If it is an automatic barcode scanner, it has already been well set with the auto scanning function. When there's an object passes the sensitive area (the sensitive area depends on the size of the object, normally is 5-30cm), the scanner will scan automatically. After it reads a bar code successfully, the light will be off and a trigger cycle finished. The scanner will read again when there's and object passes the sensitive area.

Function Settings

Definition Settings



Show Version Info
(user-defined)



Show Serial NO.
(user-defined)



Reset Factory
Defaults

Interface



Default Interface



PS2 Keyboard Wedge



Serial



USB Keyboard Wedge



USB Serial

Reading Mode



Default Mode



Single Scan No Trigger



Multiscan



Multiscan
No Trigger



Continuous Scan



Pulse

Buzzer



ON



OFF

Add Code ID



No Code ID



Send Code ID as Prefix



Send Code ID
as Suffix

Language Settings



America English



Canada French



Dutch



Spanish



Argentina(Latin)



Brazil Portuguese



Danish



England English



Italian



France French



German



Norway



Swedish, Finnish



Slovak



Portugal Portuguese



Czech



Belgium Dutch



Turkish-F



Turkish-Q



Polish 214



Switzerland
German, French



Croatian



Hungarian

Serial Mode Parameter Settings (Baud Rate)



600bps



1200bps



2400bps



4800bps



9600bps



19200bps



38400bps



57600bps



115200bps

Serial Protocol



Serial No
Check Digit



Serial XON/OFF



Serial RTS/CTS



Serial ACK/NA



Hand Shake
Timeout-2secs



Hand Shake
Timeout-5secs

Data Bits



7



8

Stop Bits



1



2

Check Digits



None



ODD



Even



Mark Check Digit



Space Check Digit

Transmit Speed



Highest



Higher



Lower



Lowest

Brazil bank barcode



On



Off

Remark: It need customized before production for the function in the frame

Image



Revise Image Disable



Revise Image Enable

Code 39



Code 39 on



Code 39 off



Code 39 ID as 'm'



Code 39 Full
ASCLL-on



Code 39 Full
ASCLL-off



Code39 MOD43
Verify Off



Code39 MOD43
Verify On



Code39 transmit
verify-On



Code39 transmit
CHARS-Off



Code39 transmit
CHARS-On



Code39
redundancy enable



Code39
redundancy disable



Replace "2" with
"TWO"-enable



Covert code39 into
code32-enable



Replace "2" with
"TWO" -disable



Covert code39 into
code32 (DF)-disable



Code39 TAB Mode

UPC-A



UPC-A on



UPC-A off



UPCA ID as 'e'



Convert UPCA into
EAN13 enable



Convert UPCA into
EAN13 disable



Transmit UPCA
check code



Transmit UPCA
check code disable



UPCA hide system
character-disable



UPCA hide system
character-enable

UPC-E



UPC-E on



UPC-E off



UPC-E ID as 'f'



Convert UPCE
into UPCA -enable



Convert UPCE
into UPCA -disable

EAN13



EAN13 on



EAN13 off



EAN13 ID as 'd'



Transmit EAN13
check code-enable



Transmit EAN13
check code-disable



Convert EAN13
into ISBN-enable



Convert EAN13
into ISBN-disable



Convert EAN13
into ISSN-disable



Convert EAN13
into ISSN-enable



EAN13
redundancy enable



EAN13
redundancy disable

EAN 8



EAN8 /on



EAN8 /off



EAN8 ID as 'c'

Supplements Settings



Supplements-5 digits



Supplements-2 digits



Supplements-2&5 digits



Supplements disable

Code93



Code93 /on



Code93/ off



Code 93 ID as 'l'



Code93
redundancy enable



Code93
redundancy disable



Code 93 MOD47/on



Code 93 MOD47/off

Code128



Code128/on



Code128/off



Code 128 ID 'a'



Code128
redundancy disable



Code128
redundancy enable

Codabar



Codabar/on



Codabar/off



Codabar ID as 'v'



Codabar Send start/stop
CHARS-enable



Codabar Send start/stop
CHARS-disable



Codabar
redundancy enable



Codabar
redundancy disable

Interleaved 25



Interleaved/ITF25-on



Interleaved/ITF25-off



ITF25 ID as 'n'



ITF25
redundancy disable



ITF25
redundancy enable

Industrial 25



Industrial 25/ on



Industrial 25/ off



Industrial 25 ID as 'o'



Industrial 25
redundancy enable



Industrial 25
redundancy disable

Code MSI



Code MSI/on



Code MSI/off



MSI ID as 's'



Code MSI
redundancy disable



Code MSI
redundancy enable

Code Plessey



Code Plessey



Code Plessey/off



Code Plessey ID as 't'



Code Plessey
redundancy disable



Code Plessey
redundancy enable

Code11



Code11/on



Code11/off



Code 11 ID as 'u'



Code11
redundancy disable



Code11
redundancy enable



Code11 auto CK verify



Code11 C verify



Code11 CK verify

Matrix 25



Matrix 25/on



Matrix 25/off



Matrix 25 ID as 'q'



Postage Code 25/on



Postage Code 25/off



Postage
Code 25 ID as 'r'



Aviation 25/on



Aviation 25/off



Aviation 25 ID as 'p'

GS1



GS1 Omnidirectional/on



GS1 Omnidirectional/off



GS1 Omni ID as 'j'



GS1 Limited/on



GS1 Limited/off



GS1 Limited ID as 'k'

FUNC



Cancel FUNC Mapping



Replace 'FUNC1' with '0'



Replace 'FUNC2' with '2'



Replace 'FUNC3' with '3'



Replace 'FUNC4' with '6'

Kindly remind:

High speed transmission can't be accepted by some device(computer),please try to scan the barcode (decrease speed transmission) as following if some characters was missing.



Front/Behind CHARS Settings



Hide CHARS-disable



Hide CHARS '-'



Replace '0'
with 'A'-disable



Replace '0'
with 'A'-enable



Replace '1'
with 'ONE'-disable



Replace '1'
with 'ONE'-enable



Delete CHARS
in front of '12345'-disable



Delete CHARS
in front of '12345'

USB Upload



USB quick upload/on



USB quick upload/off

IR Auto-sensing



IR Auto-sensing/on



IR Auto-sensing/off

Hide Characters



Hide the behind
CHARS-disable



Hide the front
CHARS-disable



Hide the middle
characters-disable



Hide from the Nth CHAR



Hide the last N CHAR



Hide the first N CHAR



Hide the middle N CHAR



Enter into checking
mode (used with caution)

Prefix & Suffix Setting



All codes add suffix CR



All codes add suffix CR+CR



LF all codes add suffix ETX



All codes add prefix F2



All codes add suffix F2



All codes add suffix
format CHARS-disable



All codes add prefix STX



All codes add prefix disable



Set to add prefix



Set to add suffix



Quit out prefix and
suffix adding mode



Clear all prefix CHARS



Clear all suffix CHARS

Multiscan Settings



3 sec



1 sec



5 sec

Conversion of EAN, ISBN & ISSN



Convert all EAN
into ISBN-enable



Convert all EAN
into ISBN-disable











































































Convert all EAN
into ISSN-enable











































































Convert all EAN
into ISSN-disable


Alphabet

 SOH	 STX	 ETX
 EOT	 ENQ	 ACK
 BEL	 Backspace	 TAB
 LF	 VT	 FF
 CR	 SO	 SI
 DLE	 DC1	 DC2
 DC3	 DC4	 NAK
 SYN	 ETB	 CAN
 EM	 SUB	 ESC
 FS	 GS	 RS
 US	 SPACE	 !
 "	 #	 \$

 %	 &	 .
 ()	 *
 +	 ,	 -
 .	 /	 0
 1	 2	 3
 4	 5	 6
 7	 8	 9
 :	 ;	 <
 =	 >	 ?
 @	 A	 B
 C	 D	 E
 F	 G	 H

 I	 J	 K
 L	 M	 N
 O	 P	 Q
 R	 S	 T
 U	 V	 W
 X	 Y	 Z
 [ \	]
 ^	 _	 ,
 a	 b	 c
 d	 e	 f
 g	 h	 i
 j	 k	 l

 m	 n	 o
 p	 q	 r
 s	 t	 u
 v	 w	 x
 y	 z	 {
 	 }	 ~
 Delete	 F1	 F2
 F3	 F4	 F5
 F6	 F7	 F8
 F9	 F10	 F11
 F12	 INSERT	 HOME
 Page up	 Delete	 END

 Page down	 Right arrow	 Left arrow
 Down arrow	 Up arrow	

Warranty Card

1. Customers can enjoy the legal rights using the purchase invoice and the warranty card without doing any warranty procedures.
2. All the warranty items are subject to the guarantee clause and user notice that published by our company.
3. We will not guarantee the product if it is in one of the following situation, but we can offer maintenance service with charges.
 - (1) Man-made damage or improper operation;
 - (2) Damage caused by maintenance of non-professionals;
 - (3) Have no warranty card, the model is inconsistent with actual or the warranty card is obliterated;
 - (4) Irresistible damage (natural disasters like thunder, earthquake, fire, etc.)
4. Please fill in the warranty card. Do not obliterate the card. Otherwise, we will make charges maintenance.
5. Please keep this card well. We will not offer another warranty card.

Barcode Scanner Warranty Proof

User Name		Telephone	
Address			
Purchasing Date	D/ M/ Y	Model	
Serial NO.		Agency	
Maintenance Record			
Date	Product Failure	Maintenance Condition	Repairman