

Wired Laser Barcode Scanner

User Manual



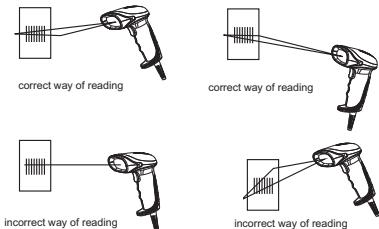
7 1 2 1 1 0 0 0 0 4

V:1509

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.

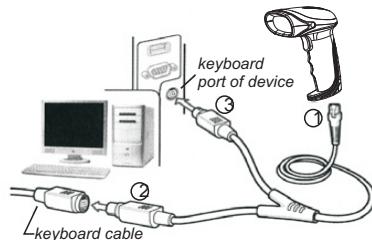
Connecting the Scanner

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(100cm ²)
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 an object passes the sensitive area.

2.For the automatic barcode scanner with stand, the red light of the scanner will be on when the scanner is power on and put on the stand. This means the auto scanning function is on. When the scanner is removed from the stand, the red light will be off. Now the auto scanning function is off and the scanner turns to manual trigger mode.

Notice: After reading a bar code successfully,please clear the barriers in the sensitive area.Otherwise,the scanner won't read again.

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

Serial Mode Parameter Settings (Baud Rate)

600bps



1200bps



2400bps

Add Code ID

No Code ID



Send Code ID as Prefix

Send Code ID
as Suffix

4800bps



9600bps



19200bps

Language Settings

America English



Canada French



Dutch



38400bps



57600bps



115200bps

Serial ProtocolSerial No
Check Digit

Serial XON/OFF



Serial RTS/CTS



Spanish



Argentina(Latin)



Brazil Portuguese



Serial ACK/NA

Hand Shake
Timeout-2secsHand Shake
Timeout-5secs

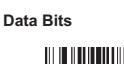
Danish



England English



Italian



7



8

Data Bits

France French



German



Norway



1



2

Stop Bits

Swedish, Finnish



Slovak



Portugal Portuguese



None



ODD



Even

Check Digits

Turkish-Q



Polish 214

Switzerland
German,French

Mark Check Digit



Space Check Digit

Croatian



Hungarian

Transmit Speed



Highest



Higher



Lower



Lowest



Code39
redundancy disable



Replace "2" with
"TWO" - disable



Replace "2" with
"TWO"-enable



Covert code39 into
code32 (DF)-disable



Covert code39 into
code32-enable



Code39 TAB Mode

Image



Revise Image Disable



Revise Image Enable

UPC-A



UPC-A on



UPC-A off



UPCA ID as 'e'

Code 39



Code 39/on



Code 39/off



Code 39 ID as 'm'



Convert UPCA into
EAN13 enable



Convert UPCA into
EAN13 disable



Code 39 Full
ASCLL-on



Code 39 Full
ASCLL-off



Transmit UPCA
check code



Transmit UPCA
check code disable



Code39 MOD43
Verify Off



Code39 MOD43
Verify On



UPCA hide system
character-disable



UPCA hide system
character-enable



Code39 transmit
verify-On



Code39 transmit
CHARS-Off



UPC-E on



UPC-E off



UPC-E ID as 'f'



Code39 transmit
CHARS-On



Code39
redundancy enable



Convert UPCE
into UPCA-enable



Convert UPCE
into UPCA-disable

EAN13



EAN13 on



EAN13 off



EAN13 ID as 'd'

Code93



Code93 /on



Code93/ off



Code 93 ID as 'I'



Transmit EAN13
check code-enable



Transmit EAN13
check code-disable



Code93
redundancy enable



Code93
redundancy disable



Convert EAN13
into ISBN-enable



Convert EAN13
into ISBN-disable



Code 93 MOD47/on



Code 93 MOD47/off



Convert EAN13
into ISSN-disable



Convert EAN13
into ISSN-enable

Code128



Code128/on



Code128/ off



Code 128 ID 'a'



Code128
redundancy disable



Code128
redundancy enable

EAN 8



EAN8 /on



EAN8 /off



EAN8 ID as 'c'

Codabar



Codabar/on



Codabar/ off



Codabar ID 'v'

Supplements Settings



Supplements-5 digits



Supplements-2 digits



Codabar Send start/stop
CHARS-enable



Codabar Send start/stop
CHARS-disable



Supplements-2&5 digits



Supplements disable



Codabar
redundancy enable



Codabar
redundancy disable

Interleaved 25



Interleaved/ITF25-on



Interleaved/ITF25-off



ITF25 ID as 'n'

Code11



Code11/on



Code11/off

Industrial 25



Industrial 25/ on



Industrial 25/ off



Industrial 25 ID as 'o'



Code11
redundancy enable



Code11 auto CK verify



Code11 C verify



Code11 CK verify

Code MSI



Code MSI/on



Code MSI/off



MSI ID as 's'

Matrix 25



Matrix 25/on



Matrix 25/off



Matrix 25 ID as 'q'



Code MSI
redundancy disable

Postage Code 25/on



Postage Code 25/off



Postage
Code 25 ID as 'r'



Aviation 25/on

Code Plessey



Code Plessey



Code Plessey/off



Code Plessey ID as 't'



Aviation 25/off



Aviation 25 ID as 'p'



Code Plessey
redundancy disable



Code Plessey
redundancy enable

GS1

GS1 Omnidirectional/on



GS1 Omnidirectional/off

Front/Behind CHARS Settings

Hide CHARS-disable



Hide CHARS '-'



GS1 Omni ID as 'j'



GS1 Limited/on

Replace '0'
with 'A'-disableReplace '0'
with 'A'-enable

GS1 Limited/off



GS1 Limited ID as 'k'

Replace '1'
with 'ONE'-disableReplace '1'
with 'ONE'-enable**FUNC**

Cancel FUNC Mapping



Replace 'FUNC1' with '0'

Delete CHARS
in front of '12345'-disableDelete CHARS
in front of '12345'

Replace 'FUNC2' with '2'



Replace 'FUNC3' with '3'

USB Upload

USB quick upload/on



USB quick upload/off



Replace 'FUNC4' with '6'

IR Auto-sensing

IR Auto-sensing/on



IR Auto-sensing/off

ASCII CHARSDon't upload without
ASCII CHARS and warnDon't warn, upload
without ASCII CHARS

Hide Characters



Hide the behind
CHARS-disable



Hide the last 5
characters-enable



Hide the front
CHARS-disable



Hide the front 5
characters-enable



Hide the middle
characters-disable



Hide the middle 5
characters-enable



Starting from the
front fourth CHAR



Enter into checking
mode (used with caution)

Prefix & Suffix Setting



All codes add suffix CR



LF all codes add suffix ETX



All codes add suffix F2



All codes add suffix CR+CR



All codes add prefix 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

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



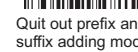
Clear all prefix CHARS



Convert all EAN
into ISSN-enable



Convert all EAN
into ISSN-disable



Quit out prefix and
suffix adding mode



Clear all suffix CHARS

Alphabet

L	M	N
O	P	Q
R	S	T
U	V	W
X	Y	Z
[\]
A	-	.
a	b	c
d	e	f
g	h	i
j	k	l

p	q	r
s	t	u
u	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.
-

Laser Barcode Scanner Warranty Proof

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