

Wireless Laser Barcode Scanner User Manual



7 1 2 5 1 0 0 0 4

V: W1608

Dear user, thank you for choosing our product. Offering best-quality product to customer is our promise. To have a better operating experience, please read this manual carefully.

Packing list

Basic Accessories

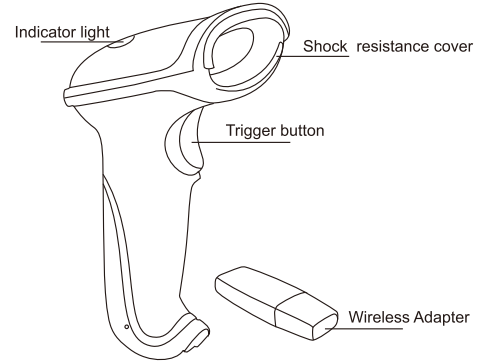
Barcode Scanner
Wireless Adapter
Charging Cable
User Manual

Optional Accessories

Qualified Certificate
Warranty Card
Charging Adapter

Wireless laser Barcode Scanner Knowledge

Housing Design Description



Technical Parameter

Physical parameters

Light source	Visible laser 650nm
Safety level	National laser safety standard class 1
Processor	32-bit ARM Cortex-M3 MCU
Interface	Standard USB2.0 interface; wireless 2.4G-USB
Trigger mode	Manual operation; Autosensing; Continuous scanning
Decoding speed	300scans/sec
Resolution	≥4mil(0.1mm),PCS45%
Error rate	1/5million
Scanning resolution	Minimum 30% contrast
Transmit frequency	2.4GHz
Transmit distance	50m straight line distance(visible)
Depth of field	500mm@20mil/0.5mm, PCS90%
Scan angles	Roll 60° Pitch65° Yaw42°
Decoding capability	EAN-13,UPC-A,ISSN/ISBN,EAN-8,UPC-E,Code39, Code32,Code93,Code128,GS1/EAN/UCC128,Codabar, Interleaved25,Industrial25,Matrix25,ChinaPostal,MSI, Code11 etc
Prompt mode	Beeper or LED light
Setup mode	Manual (scan the setup barcodes by turns)
EMC	EN55022,EN55024
Electric safety	EN60950-1

Physical parameters

Size	16.40cmx7.70cmx8.20cm
Weight	140g ± 5g (without cable)
Charging interface	USB, 1.5m length
Material	ABS+PC+TPE

Electrical parameters

Charging time	2 hours
Charging voltage	DC5V ±5%
Charging battery	3.7V 700MAH lithium battery
Electric current	70MA (operating) : 130MA (maximum peak)
Standby current	< 20uA

Environment parameters

Operating temp	0 to 50 °C / 32 to 122 °F
Storage temp	-20 to 70 °C / -4 to 158 °F
Operating humidity	20 - 95% (non-condensing)
ESD protection	15kv
IP Protection grade	IP54
Shock resistance	Keep workable after falling 1.5m height to concrete ground

Laser barcode scanner operating instruction

Power On

Press the trigger button. Scanner will beep and indicated light is on.

Power off

The scanner will shut down automatically when you stop operating over a period of time. And the indicated light will be off.

Charging

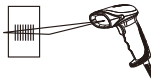
Connect the charging cable to the bottom of the scanner and charging through the computer usb interface or charger adapter. Charging time will be 2-3 hours, The scanner can work 6-8 hours continuously after full-charged.

Reading Angle

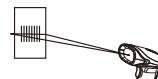
1. Maintain a bevel between the scanner and the bar code to make a best reading effect.

2. The scanner should not form 90 degree angle with the bar code, otherwise the scanner can not read.

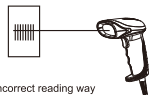
3. The scanner must aim at the bar code and the beam must cover the whole bar code. If not, error may be occurred.



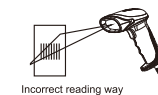
Correct reading way



Correct reading way



Incorrect reading way



Incorrect reading way

Notice:

1. The scanner has been set up well before delivery. It can be used directly. If abnormal condition occurs, please reset the scanner to factory default.
2. The adapter should be connected to the fixed computer USB interface. Do not plug in or pullout frequency in order to improve working efficiency and decrease man-made damage.

Configuration reset



Reset factory default

Interface mode



Wired USB mode



Wireless mode



Match
For the mismatch device



Match enforced
Remove the original

Scanning mode



Default mode



Auto continuous scan



Scan delay



Single scan no trigger



Reading delay no trigger



Auto light flash lamp

Buzzer



On(default)



Off

Scanning Mode Setup



Non-volatile Mode



Inventory Mode



Inventoried Barcode
quantity display



Clear data



Keep uploading data



No upload
quantity Preview



Upload all data
and delete



upload one piece
data and delete



Upload all data
and not deleted



Upload one piece
data and not deleted



Beeper forbidden
for upload success



Beeper enable
for upload success



Receiver address display



Transmission address display



Shutdown



Auto-Standby After
30sec Non-Operate



Auto-Standby After
60sec Non-Operate



Auto-Standby After
5min Non-Operate



Auto-Standby After
10min Non-Operate



Auto-Standby After
20min Non-Operate

Non-volatile Mode : Auto Storage as over transmit distance.

Inventory Mode: Storage all data.

Add bar Code ID



Close ID code
(Default)



Add ID code as prefix



Add ID code as suffix

Bar code front&behind CHAR settings



No hiding the front CHAR
(Default)



Hiding the blank in front
of the barcode



No hiding the behind CHAR
(Default)



Hiding the blank behind
the barcode



No hiding CHAR-in the middle
of barcode(Default)



Hiding the "-" of
the bar code



No replacing the "0" with
"A" in barcode(Default)



Replacing the "0" with
"A" in barcode

Hide the CHAR



No hide suffix

Default



No hide prefix

Default



No hide middle CHAR

Default



Hide the last 5 CHAR



Hide the last 1 CHAR



Hide the first 5 CHAR



Hide the middle 5 CHAR



Hide from the 4th CHAR

FUNC



Replace FUNC1 with 1



Replace FUNC2 with 2



Replace FUNC3 with 3



Replace FUNC4 with 4



Cancel "Enter" key replacement

Default



Replace "Enter" key with 5

Wireless set up

Upper /lower case transformation



Transformation closed



All is upper case



All is lower case



Upper /lower case transformation

Upload speed



Fastest



Moderate (default)



Lower



Lowest

missing CHAR occurs:

- 1.Scan the USB upload forbidden code for non-windows device.
- 2.PS2 mode connecting, PS2 transform into USB(scan the upload speed setting).

Prefix & suffix setting



Termination CHAR-Enter



Termination CHAR-double Enter



No termination format CHAR



Add Prefix setting



Add Suffix setting



Exit prefix-suffix
adding mode



Delete all prefix



Delete all suffix

language settings



America, China
(American English) Default



Spain (Spanish)



Denmark (Danish)



France (French)



Sweden, Finland
(Swedish, Finnish)



Czech Republic (Czech)



Turkish-Q



Croatia (Croatian)



Russia (Russian)

Notice :above language should be customized before delivery.



Canada (French)



Argentina
(Latin language)



United Kingdom (English)



Germany (German)



Slovakia (Slovak)



Belgium (Dutch)



Poland (Polish 214)



Hungary (Hungarian)



Netherlands (Dutch)



Brazil (Portuguese)



Italy (Italian 142)



Norway
(Northern Sami)



Portugal (Portuguese)



Turkish-F



Switzerland
(German, French)



Japan (Japanese)



Egypt (Arabic)

Code 39



Code 39 / On



Code 39 / Off



Code 39 ID Character"m"



Code 39 Full ASCLL(Default) / On



Code 39 Full ASCLL / Off



Code 39 MOD43 Check / Off



Code 39 MOD43 Check / ON



Transmit Check / On



Transmit Check / Off



Transmission Lead / Off



Transmission Lead / On



Verification Multiply / On



Verification Multiply / Off(Default)



Code 32 / Off



Code 32 / On
Remark: It affects the Code 39
when it is on



Code 39 TAB Mode



Setting The Minimum
Length "1"

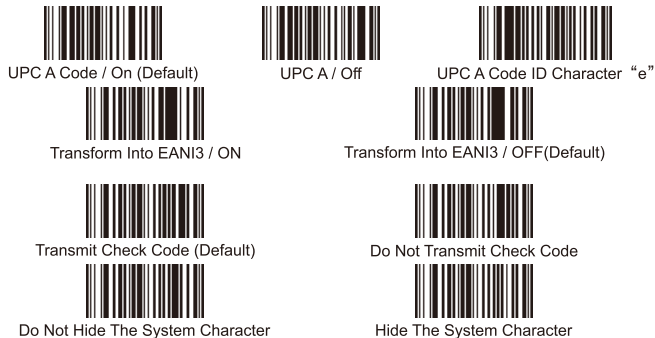


Setting The Minimum
Length "2"(Default)



Setting The Minimum
Length "3"

UPC A Code



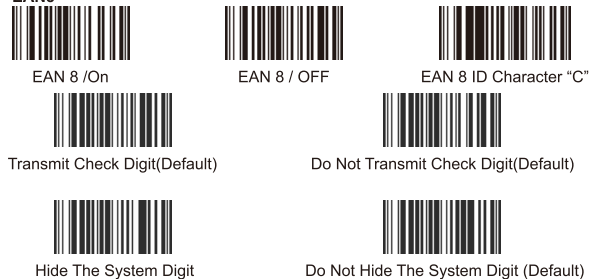
UPC-E



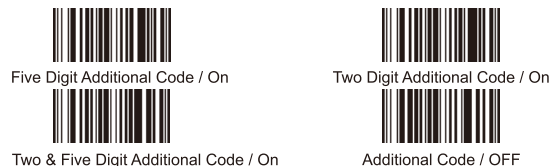
EAN13



EAN8



Additional Code



Code93



Code128



codabar



Codabar / On



CodaBar / Off



Codabar ID Character "v"

Code11



Code 11 / On



Code 11 / Off



Setting The Minimum Length "4"



Setting Stop/Start Character / On



Setting Stop/Start Character / Off



Code 11 ID Character "u"



Setting The Minimum Length "4"



Verification Multiply / On



Verification Multiply / Off



Verification Multiply / Off



Verification Multiply / On

Code 25



Cross Code 25 / On



Cross Code 25 / Off



Cross Code 25 ID Character "n"



CK Check Automatically



CK Check (Default)



CK Check



Setting The Minimum Length "4"



Verification Multiply / Off (Default)



Verification Multiply / On



Matrix Code 25 / On (Default)



Matrix Code 25 / Off



Matrix Code 25 ID Character "q"



Industrial Code 25 / On (Default)



Industrial Code 25 / Off



Industrial Code 25 ID Character "o"

Code 25



Matrix Code 25 / On (Default)



Matrix Code 25 / Off



Matrix Code 25 ID Character "q"



Setting The Minimum Length "3"



Verification Multiply / Off



Verification Multiply / On (Default)



Setting The Matrix Code 25 Minimum Length "2"



Setting The Matrix Code 25 Minimum Length "3"

MSI Code



MSI Code / On



MSI / Off



MSI Code ID Character "s"



Post Code 25 / On



Post Code 25 / Off



Post Code 25 ID Character "r"



Setting The Minimum Length "4"



Verification Multiply / Off



Verification Multiply / On



Setting The Post Code 25 Minimum Length "5"



Setting The Post Code 25 Minimum Length "7"

Transform between ENA, ISBN And ISSN



All ENA Transform Into ISBN



All ENA Transform Into ISSN


















ENA Transform Into ISBN
Compulsive / Off(Default)











ENA Transform Into ISSN
Compulsive / Off(Default)





Character List

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

 %	 &	 i
 ()	 *
 +	 ,	 -
 .	 /	 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	

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.

FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.