Bluetooth Barcode Scanner
User Manual

Performance

- Comfortable and convenient to use
- Long life time button--3 million times
- Built-in chargeable lithium battery
- Strong decoding capability
- Suitable for IOS, Android, Windows 7, Windows 8, and Windows XP

Packing list

1*Bluetooth barcode scanner;
1*charging cable;
1*charger (optional);
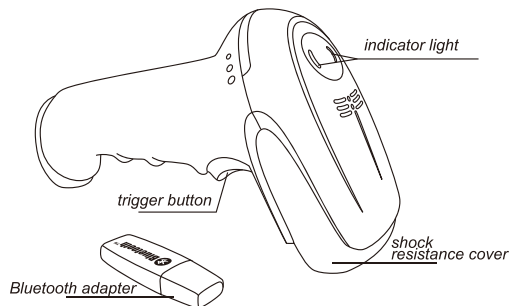1*Bluetooth adapter;
1*user manual

Warning:
1. Please pull out the power supply and cable from the scanner in stormy weather to avoid damaging.
2. Keep away from heat and maintain ventilation.
3. Keep away from water in the environment of storage, transportation and operation.
4. Please use the original Bluetooth adapter of the device.

Bluetooth Barcode Scanner Knowledge

Bluetooth barcode scanner is used for paring with the devices like smart phones, tablet PC, etc. It is suitable for IOS, Android, Windows 7, Windows 8, and Windows XP systems. With the high-performance processor and decoder, it has a rapid decoding and high precision reading ability. Bluetooth barcode scanner is developed to meet the needs of the changing world.

Housing Design Description

indicator light

trigger button

shock resistance cover

Bluetooth adapter

The Bluetooth adapter is used when the device has no Bluetooth function, for example, the desktop computer. If the device has Bluetooth function, the scanner can pair with the device directly without the adapter. For more details, please check the Bluetooth Adapter Installation Guide on page 2 to 3.

Technology Parameters

Physical Parameters
Size: 169mm*87mm*70mm
Weight: 135g±5g
Charging interface: RJ-45 plug, 2 meters (with 5V charger, red light for charging, green light for battery charged)
Housing material: ABS+PVC+PC

Performance Parameters
Light source: visible laser diode, wave length 650nm
Trigger mode: manual (long press the button to turn off the scanner)
Scanning mode: single line scanning
Scanning speed: 120 scans/sec
Resolution: ≥4mil
Error rate: 1/50million
Scanning resolution: minimum 35% contrast
Transmit frequency: Bluetooth
Transmit distance: visible distance 10m (customized)

Depth of scanning field: 10mm-600mm
Scanning angle: ±35°±65°±65°
Decoding capability: UPC/EAN/JAN, code 11, code 128, code 39, Chinese 2 of 5, Interleaved 2/5, Interleaved 2of 5, China post code, etc.
Prompt mode: beeper& LED
Setup mode: manual (scan the setting barcodes)
Laser safety level: EN60825-1, Class 1, National Class 1 Laser Safety Standard EMC
EMC: EN55022, En55024
Electric safety: EN60950-1

Electrical Parameters
Charging time: 4 hours
Charging voltage: DC5V±5%
Power: 50MW (operation), 500MW (maximum)
Currency: 50MA (operation), 100MA (maximum)

Environmental Parameters
Light intensity: 3000-12000LUX
Temperature: 0℃-50℃ (operation mode);-40℃-60℃(storage)
Package level: IP 52
Shock resistance: design to fall from 1.5 meters height from concrete surface

How to Use

Power On

Press the button. The scanner will emit two short beep sounds and the indicator light will blink.That means the scanner has been successfully turned on.

Power Off

The default shutdown time is 5 minutes.If there is no operation within 5 minutes, the buzzer will emit a long beep sound and then enter into sleep mode with the indicator light off.

2 ways to enter into Paring Mode In Wireless Mode

1. Press the button continuously for 10 seconds.
2. Scan "one-key pairing" bar code

(one-key pairing)

Attention please:

Do not press any button while pairing (blue LED flashes), otherwise pairing fails and it needs to be redone.

Bluetooth Adapter Installation Guide-Windows XP

1. Plug in the Bluetooth adapter. Bluetooth device icon will show on the system tray.
2. Double click the Bluetooth icon then the Bluetooth device dialog box will appear. (You can also click the Bluetooth device from the control panel.)
3. Click 'add' and the Bluetooth device wizard will show.
4. Scan the setup code 'One-Key paring' or press the trigger button for 10 seconds in order to let the Bluetooth scanner get into matching condition.The blue LED light flashes quickly. Select 'My device is set up and ready to be found' and click 'next'.
5. There will be a Bluetooth device wizard dialog box that shows 'Barcode Scanner' icon. If not, click 'search again'.
6. Double click 'Barcode Scanner' icon and see the passkey dialog box.
7. Select 'don't use a passkey' and click 'next' to start installing the driver.
8. After installation, there will be an extra Barcode Scanner in the Bluetooth device and an extra HID Keyboard Device in the device manager. By this time the bluetooth adapter installation will be finished.
9. Now open any edit box like notepad to start reading and uploading bar codes.

Bluetooth Adapter Installation Guide-Windows 7

1. Plug in the Bluetooth adapter then the Bluetooth icon will appear.
2. Double click the Bluetooth icon and then the 'Devices and Printers' will appear.
3. Activate the scanner and scan the setup code 'One-Key Paring' or press the trigger button for 10 seconds, then blue LED light flashes quickly and the Bluetooth scanner enters to the matching condition.

4. Click 'add a device' and there comes a dialog box that shows 'Barcode Scanner'.
5. Right click the device icon and right click again to select the properties.
6. Select 'Drivers for keyboard, mice, etc [HID]' in the properties dialog box and click yes.
7. After installation there will be a balloon to show installation success. The device manager has a new HID keyboard device.
8. Now the Bluetooth installation finished. Open any edit box like notepad to start reading and uploading bar codes.

Bluetooth Adapter Installation Guide-Windows 8

1. Plug in the Bluetooth adapter.
2. Open 'control panel' and click 'add a device'.
3. Activate the scanner and scan the setup code 'One-Key Paring' or press the trigger button for 10 seconds, then blue LED light flashes quickly and the Bluetooth scanner enters to the matching condition.
4. Click 'add a device' and there comes a dialog box that shows 'Barcode Scanner'. Select the device and click 'next'.
5. Now the Bluetooth installation finished. Open any edit box like notepad to start reading and uploading bar codes.

Paired with Android/IOS/MAC Devices

1. Please confirm the scanner is in paring mode. Otherwise, the device can't search the scanner.
2. Click the searched Bluetooth device directly. It can finish the pairing automatically.

Wired and Wireless Mode Switchover

If need to switch to wired mode, please scan 'Wired mode' setup bar code as below.

Wired mode

If need to switch back to wireless mode, please scan 'Wireless mode' bar code as below.

Wireless mode

Charging

Please connect the RJ45 interface of the charging cable to the bottom of the scanner and the USB interface to the computer. Or, connect the charger to the power socket. Charging time will be 2-3 hours. After fully charged, the scanner can work 8-12 hours continuously.
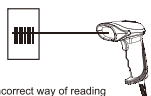
Reading Angle

• Maintain a bevel between the scanner and the barcode to make a best reading.
• Do not keep the scanner in 90°with the barcode, otherwise the scanner can't read.
• The scanner must aim at the barcode and the beam must cover the whole barcode. If don't, error maybe occur.
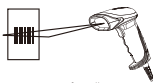
correct way of reading
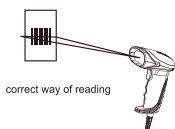
correct way of reading

incorrect way of reading
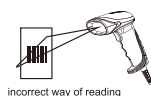
incorrect way of reading

LED Indicator & Beeper

Indicator Light Color	Instruction
Green light and will be off soon	Reading successfully and comes a short beep
Red light always on	red = charging scanner no light = full charge
Blue light blinking	Press the button for 10 seconds. The blue light blinks and scanner enters into pairing mode. After pairing successfully, the blue light is on always.
Beep Sound	Instruction
A short beep	Reading successfully
A long beep	Auto shutdown and enter into sleep mode
Two short beep	Power on
Three short beep	Fail to upload data. Please pair again
Three long beep	Low power, please charge.

Scanning Mode Setup

Setup Instruction：
1. Normal mode means real-time transmission. Scan 'Normal Mode' bar code, the scanner will be in real-time transmission.
2. In inventory mode, the scanner will save the bar code it reads. When need to upload the data to computer, scan 'Upload Data' bar code.
3. Scan 'Total Number of Data' bar code, the computer will show how many bar codes the scanner reads under inventory mode.
4. Scan 'Clear Data' bar code means clear all the bar codes being read under inventory mode.

Normal Mode

Continuous Mode

Inventory Mode

Non-volatile Mode

Upload Data

Total Number of Data

Clear Data

Sleep Time Setting

Setup Instruction:

1. Scan 'Sleep Time' bar code.   2. Scan the time you want to set.

Sleep Time

20 seconds

30 seconds

60 seconds

2 minutes

5 minutes

10 minutes

20 minutes

no sleep

Bluetooth Mode Selection

HID mode (default)

SPP mode

Language Selection (Bluetooth Module)

America (default)

Germany

France

Italy

Span

Russia

IOS International Keyboard Settings

Display/Hide

Double-click Display/Hide

Shutdown/Default value/Version information

Shutdown

Default value

Software Version

Hardware Version

Scanning mode

Default mode

Auto continuous scan

Scan delay

Single scan no trigger

Reading delay no trigger

Auto light flash lamp

Add bar Code ID

Close ID code
(Deflault)

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

Upper /lower case transformation

Transformation closed

All is upper case

All is lower case

Upper /lower case transformation

language settings

America，China
(American English）Default

Canada (French)

Netherlands (Dutch)

Spain (Spanish)

Argentina
(Latin language)

Brazil (Portuguese)

Denmark (Danish)

United Kingdom (English)

Italy (Italian 142)

France (French)

Germany (German)

Norway
(Northern Sami)

Sweden, Finland
(Swedish, Finnish)

Slovakia (Slovak)

Portugal (Portuguese)

Czech Republic (Czech)

Belgium (Dutch)

Turkish-F

Turkish-Q

Poland (Polish 214)

Switzerland
(German, French)

Croatia (Croatian)

Hungary (Hungarian)

Japan (Japanese)

Russia (Russian)

Egypt (Arabic)

Notice :above language should be customized before delivery.

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

UPC A Code

‖‖‖‖‖‖‖ UPC A Code / On (Default)

‖‖‖‖‖‖‖ UPC A / Off

‖‖‖‖‖‖‖ UPC A Code ID Character "e"

‖‖‖‖‖‖‖ Transform Into EANI3 / ON

‖‖‖‖‖‖‖ Transform Into EANI3 / OFF(Default)

‖‖‖‖‖‖‖ Transmit Check Code (Default)

‖‖‖‖‖‖‖ Do Not Transmit Check Code

‖‖‖‖‖‖‖ Do Not Hide The System Character

‖‖‖‖‖‖‖ Hide The System Character

UPC-E

‖‖‖‖‖‖‖ UPCE / On (Default)

‖‖‖‖‖‖‖ UPCE / OFF

‖‖‖‖‖‖‖ UPCE ID Character "F"

‖‖‖‖‖‖‖ Transform Into UPCA / On

‖‖‖‖‖‖‖ Transform Into UPCA / OFF(Default)

EAN13

‖‖‖‖‖‖‖ EAN13 / ON(Default)

‖‖‖‖‖‖‖ EAN13 / OFF

‖‖‖‖‖‖‖ EAN13 ID Character "D"

‖‖‖‖‖‖‖ Transmit Check Code (Default)

‖‖‖‖‖‖‖ Do Not Transmit Check Code (Default)

‖‖‖‖‖‖‖ Transform Into ISBN / On

‖‖‖‖‖‖‖ Transform Into ISBN / OFF(Default)

‖‖‖‖‖‖‖ Transform Into ISSN / On

‖‖‖‖‖‖‖ Transform Into ISSN / OFF(Default)

‖‖‖‖‖‖‖ Verification Multiply / On

‖‖‖‖‖‖‖ Verification Multiply / OFF

EAN8

EAN 8 /On

EAN 8 / OFF

EAN 8 ID Character "C"

Transmit Check Digit(Default)

Do Not Transmit Check Digit(Default)

Hide The System Digit

Do Not Hide The System Digit (Default)

Additional Code

Five Digit Additional Code / On

Two Digit Additional Code / On

Two & Five Digit Additional Code / On

Additional Code / OFF

Code93

Code 93 / ON(Default)

Code 93 / OFF

Code 93 ID Character "I"

Verification Multiply / On

Verification Multiply /OFF(Default)

Code 93 MOD47 / On (Default)

Code 93 MOD47 / OFF

Code128

Code 128/ ON (Default)

Code 128/ OFF

Code 128 ID Character "a"

Verification Multiply /OFF(Default)

Verification Multiply / On

codabar

Codabar / On

CodaBar / Off

Codabar ID Character "V"

Setting The Minimum Length "4"

Setting Stop/Start Character / On

Setting Stop/Start Character / Off

Verification Multiply /On

Verification Multiply /OFF

Code 25

Cross Code 25 / On

Cross Code 25 / Off

Cross Code 25 ID Character "n"

Verification Multiply / Off(Default)

Verification Multiply / On

Industrial Code 25 / On (Default)

Industrial Code 25 / Off

Industrial Code 25 ID Character"o"

Verification Multiply / Off

Verification Multiply / On (Default)

MSI Code

MSI Code / On

MSI / Off

MSI Code ID Character 's"

Setting The Minimum Length "4"

Verification Multiply / Off

Verification Multiply / On

Code11

Code 11 / On

Code 11 /Off

Code 11 ID Character "u"

Setting The Minimum Length "4"

Verification Multiply / Off

Verification Multiply / On

CK Check Automatically

CK Check (Default)

CK Check

Code 25

Matrix Code 25 / On (Default)

Matrix Code 25 / Off

Matrix Code 25 ID Character "q"

Post Code 25 / On

Post Code 25 / Off

Post Code 25 ID Character"r"

Transform between EAN, ISBN And ISSN

All EAN Transform Into ISBN

EAN Transform Into ISBN Compulsive / Off(Default)

All EAN Transform Into ISSN

EAN Transform Into ISSN Compulsive / Off(Default)

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

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	!
"	#	$

%	&	'
(	)	*
+	,	–
.	/	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
u	w	x
y	z	{
l	}	~
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	

Environmental Tips

Environment-friendly use period of this product is 10 years. Climatic conditions for normal work, storage, and transportation specified in the technical characteristics of the product. At the end of use period, we suggest to return the product (including package) to our company.

Assembly unit name	Harmful substances					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Shell	○	○	○	○	○	○
PCB	✕	○	○	○	○	○
Cable	○	○	○	○	○	○
Packaging Materials	○	○	○	○	○	○

This form is prepared according to the provisions of SJ/T 11364.

○ : It is indicated that the content of the harmful substance in all the homogeneous materials of the component is below the limit specified in GB/T 26572.

✕ : It is indicated that the content of the harmful substance at least in one certain homogeneous material of the component is beyond the limit specified in GB/T 26572.

Note : 1. Most components in this product use harmless environment-friendly materials, and due to limited international technology level, some harmful materials cannot be replaced.

2. The environmental data for reference are tested in the normal use and storage environment of this product requirements, such as humidity and temperature, etc.

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	Model	
Serial NO.		Agency	
Maintenance Record			
Date	Product Failure	Maintenance Condition	Repairman