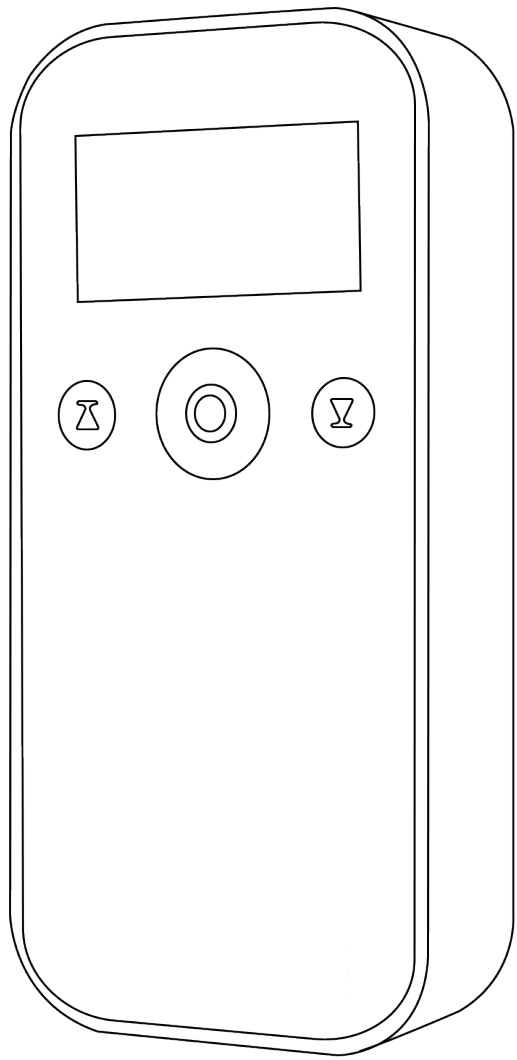
TFT Colorful Screen Intelligent Wireless Scanner

User Manual



BROCHURE

Notices

1. Please read the user manual carefully before using this product.

2. The working voltage of this barcode scanner is 3.3V, charging voltage is 5V. Please use our original USB cable to ensure the scanner work properly.

3. Copyright and Patent Right

Our company has applied for patent rights, copyrights and software copyrights for this product and its accessories(including hardware, setting software, documentations,appearance,etc.)

4. The company reserves all rights and the company reserves the right to make any changes to the product to improve its reliability, improve its function or design. The company shall not be responsible for any product liability related to or arising from the application or use of any products, circuits, or other applications described here.

5. Package Includes:

Standard Package: : Barcode scanner (1 piece),
Wireless dongle (1 piece),
Type-c cable (1 piece),
User manual (1 piece).

Optional Function: Vibration

6. The contents of this manual are subjected to change without prior notice.

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Introduction

Our company's barcode scanners are with strong scanning light source and enhanced long distance scanning technology,which making it possible to scanning quickly from a long distance capability for damage, dirty and poor quality printed barcodes under various ambient light conditions.

It is durable in use, since it is protected by the industrial safety technique. High volume buzzer is another indicator of scanning successfully besides LED light.

Features

Support bluetooth,2.4G wireless and USB transmission

16M storage space which support to store 50000 codes

Unique power management system, long-time standby

Support to decode plenty of 1D and 2D codes

Imported triggers, long life and good feeling

Can work with Android/IOS/Windows/Mac

Support bluetooth HID、SPP and BLE.

Low power consumption,sleep time can be set

2.4G wireless transmission distance:100meters(Outdoor)

Bluetooth transmission distance:15meters(Indoor)

USB charge and USB transmission at same time

Application

* Use widely in Business (electrical appliances,library, clothing, medicine, cosmetics, etc.),retail stores,post office,telecommunications industry,warehouse,logistics, public security system, customs systems,bank system, medical system,etc.

* Compatible with Microsoft, Android, Linux and other operating systems.

* Multi-national keyboard language

Parameters

Wireless transmission:Bluetooth & 2.4G

Storage Space:16MB

CPU:ARM Cortex 32bits

Bluetooth Module:Bluetooth 5.0Module

Decode Types:1D:Codabar,Code 11,Code93,MSI,
Code 128,UCC/EAN-128,Code 39,EAN-8,
EAN-13,UPC-A,ISBN,Industrial 25,Interleaved 25,
Standard 25,2/5 Matrix,
2D:QR,DataMatrix,PDF417,Aztec,Hanxin ,
Micro PDF417(Optional)

Indicators:Buzzer、Vibrator（Optional）

Battery Capacity:650mA

Charge Voltage/Current:5V/1A

Working Time:1D≤12H 2D≤8H（5seconds/one scan）

Charge Time:≤2H

Standby Time: >30day

Working Environment

Working Temperature:32° F to 104° F/0° C to 40° C

Storage Temperature:-40° F to 140° F/-40° C to 60° C

Humidity:5% to 95% relative humidity (no condensation)

Ruggedness: Resist about 6 times drops from 1.5m to concrete ground

Ambient Light Immunity:Under normal office and factory ambient lighting conditions, or exposed to the sun won't take any effect to it.

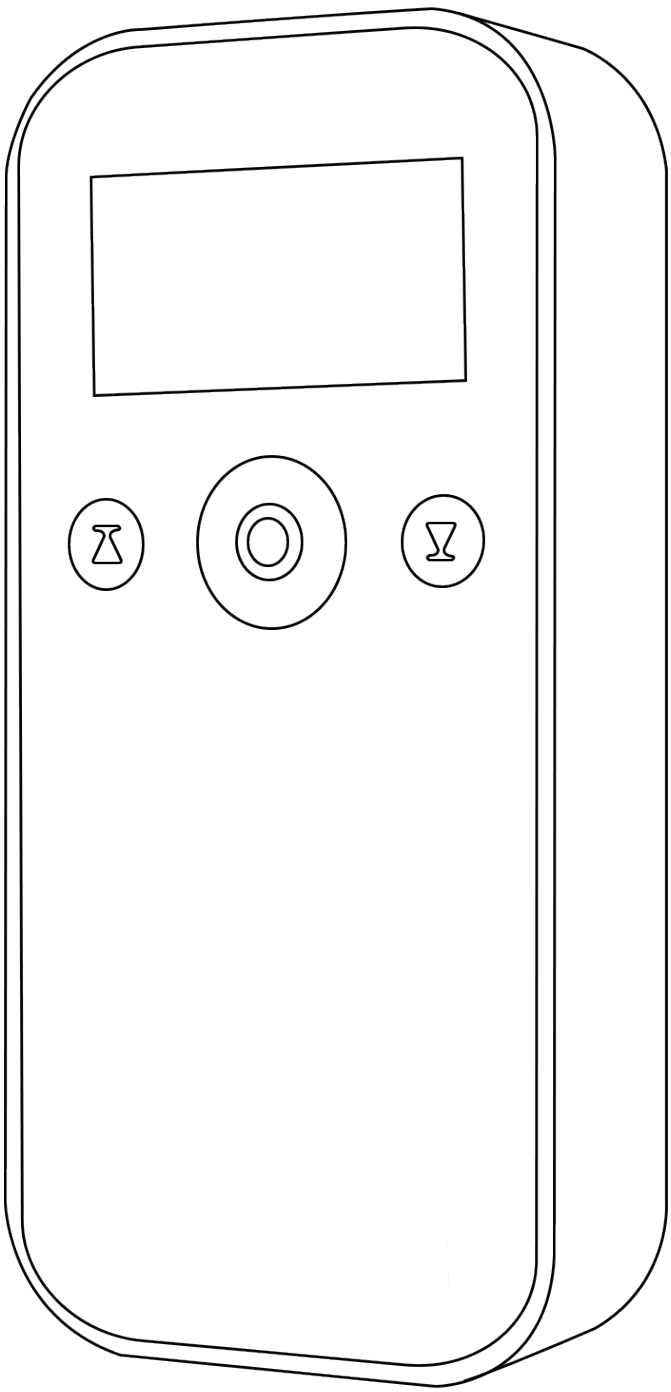
Electrostatic discharge: In line with 15KV air discharge and 8KV contact discharge requirements

Related Regulations

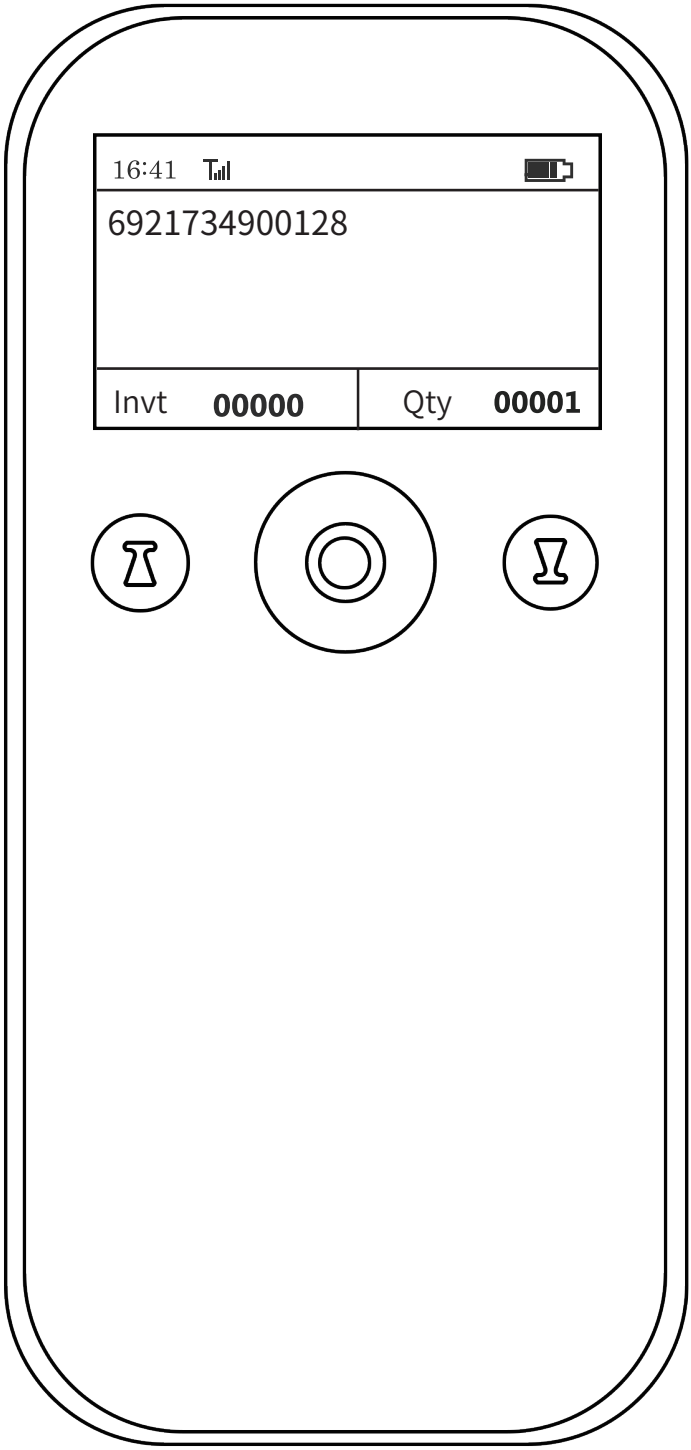
Electrical safety:In accordance with UL1950、CSA C22.2 No.950、EN60950/IEC950 EMI/RFI:FCC Part 15 Class B、European Union EMC Directive、Taiwan EMC、

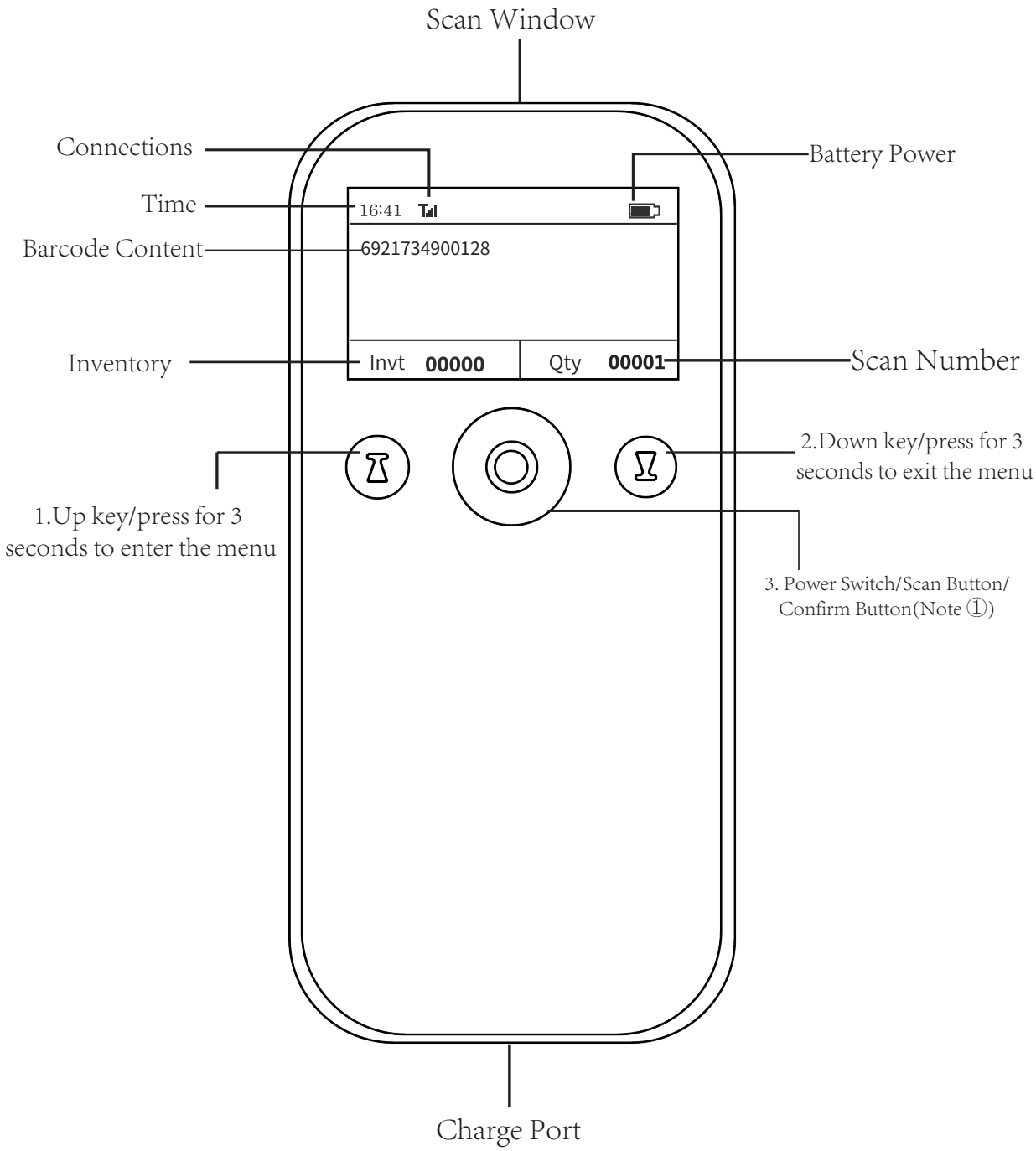
Environment Terms: In accordance with RoHS directive 2002/95/EEC

Outside Introduction



TFT Screen Introduction





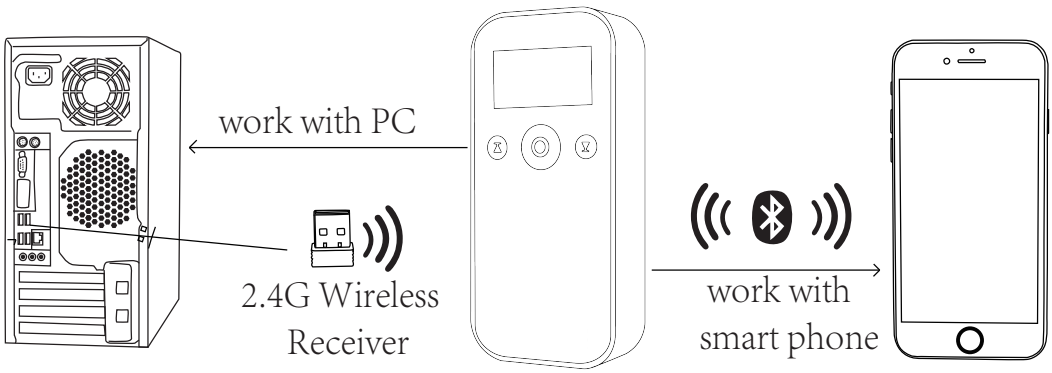
Note ①: In the menu, it can only be used as the confirm key,
and when exiting the menu, it can only be used as the scan key.

Connections Introductions

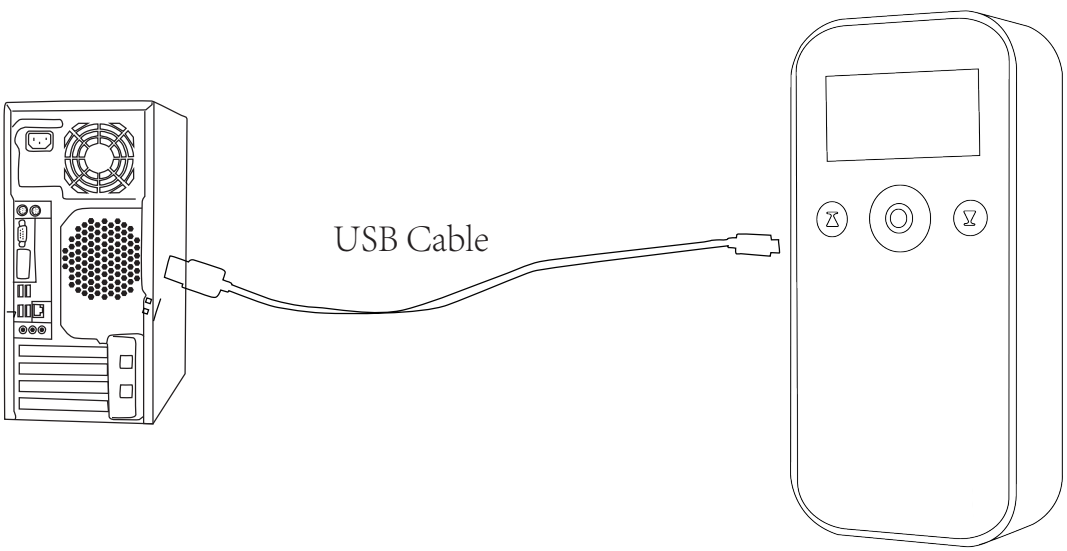
Using scanner without base

A:2.4G Wireless Mode:Can work with PC and PC terminal.Support Windows XP,Windows7,Windows8 Windows10 etc operating systems. (Please refer to page 12 for detailed pairing steps)

B:Bluetooth Mode:Can work with mobile devices,like smart phone (Android & IOS),tablets,PC terminal which with bluetooth function. (Please refer to page 10 for detailed pairing steps)



A:USB Wired Mode:USB charging and USB transfer can be performed simultaneously



Initialization Settings&Version Information

A:Scan the setting code “Initialization Settings” to setup the scanner back to factory default settings

B:If you have after-sales problems and need to contact our customer service staff, please provide version information by scanning setting code “Version Information”

Initialization Settings

Version Information

BluetoothPairing Method

A:Press the trigger for 8 seconds or scan the setting code "HID Pairing Setting Code" to make the scanner entering Bluetooth pairing state, then the two blue lights flash alternately.

Bluetooth Pairing Setup Code

B: Turn on the Bluetooth of user’s device, find the device which named ‘Barcode scanner HID’ and click it to pairing.The scanner and user’s device get paired successfully when heard a beep, and the blue light on the right is always on.

Notes： When the scanner is entered bluetooth pairing status and it does not get connected with your device within 1minutes,it will beep twice lowly and longly.You need to repeat above-mentioned 3 steps to make it connect with you device.(When the scanner is in the bluetooth pairing status, double-click can make it exit the pairing mode).

Pull up/Hide keyboard(IOS system)&Caps Lock Switch

Pull up/Hide IOS keyboard

Double-Click to Pull up IOS keyboard

Double-Click to Hide IOS keyboard

Caps Lock Switch

All Lowercase

All Uppercase

Do not convert case

Case Interchange

2.4G Wireless Pairing Method:

A:Scanning following two setting codes one by one

B:Insert wireless dongle into the USB port of your device.Scanner get connected with wireless dongle successfully when hear a beep, and the blue light on the right is always on.

Notes:When the scanner is entered 2.4G pairing status and it does not get connected with your device within 1 minutes,it will beep twice lowly and longly.You need to repeat above-mentioned 3 steps to make it connect with you device.(When the scanner is in the 2.4G pairing status, double-click can make it exit the pairing mode).

Sound/Vibration Setting

Sound OFF

Sound ON

Vibration OFF(optional)

Vibration ON(optional)

Sleep Time Setting

1 min

5 min

10 min

30 min

Never Sleep

Sleep Immediately

Ending Character Setting

Add CR(Carriage Return)

Add LF(Linefeed)

Add CR+LF

Cancel CR+LF

Add TAB

Keyboard Language Setting

English(USA)

German

French

Spanish

Italian

Janpanese

International Universal Keyboard

Belgian

Portuguese

English(UK)

Portuguese(Brazil)

French(Switzerland)

Russian

Czech

French(Canada)

Hungarian

Polish

Sweden / Finland

Spanish(Mexico)

Argentine(Latin America)

Norwegian

German(Swizerland)

Transmission Speed Setting

Choosing the transmission speed according to the receiving speed of the device

Fast

Middle

Slow

Super Slow

Bluetooth Protocal (Bluetooth Optional)

Bluetooth HID

Bluetooth SPP

Bluetooth BLE

Notes： Scanning any one of above 3 setting codes can make the scanner enter bluetooth pairing status.

Working Modes

Under “Normal Mode”,the data of codes you scanned will be transferred to your device via bluetooth,2.4GHz or USB.A short and low beep shows that data is transferred successfully.If not,the scanner will beep 3 times shortly and lowly.
Under “Normal Mode”,if scans failure,the data of codes you just scanned will lost.

Normal Mode

Under “Storage Mode”,the data of the code you just scanned will be stored in the scanner.And scanner beep once shortly and slowly after each scanning. Scanner will beep 3 times after scanning a code if its storage space is full.

Storage Mode

You can check the storage data amount by scanning following setting code

Storage Data Amount

Scanning following setting code to upload the data you have scanned to your device via bluetooth,2.4G wireless or USB.

Notes:Making sure that scanner is got connected with your device.
After uploading data,the data which have been stored in the scanner will not be deleted from the scanner

Upload Data

Scanning following setting code to clear all the data which is stored in the scanner.All data will be deleted after scanning setting code" Clear Data", so please confrim that you have uploaded those data to your device if you need them.

Clear Data

Entering No Loss Mode

Note: The no loss mode can ensure no loss under 2.4G and virtual Bluetooth, Bluetooth HID/SPP/BLE is not recommended to use the no loss mode as the receiving end is not controlled.

Clear Total Number Setting

CLear Total Number of Scans

Clear Total Number of Stores

Change Bluetooth Name

1st:Scanning following setting code" Change BT Name"

Change BT Name

2nd:Scanning a customized code which data is the name you want.You can generate a customized code via barcode generator,like label shop. Or you also can contact with us to generate a code for you.
Example: Following barcode's data is "Scanner123" after scanning it, the bluetooth name of your scanner will be changed to "Scanner123".

Scanner123

3rd:Save settings

Save Setting

Hide Pre-characters/Post-characters

1st：Scanning following setting code “Hide Pre-characters” or “Hide Post-characters”

Hide Pre-characters

Hide Post-characters

2nd：Choosing how many characters you need to hide.

1

2

3

4

5

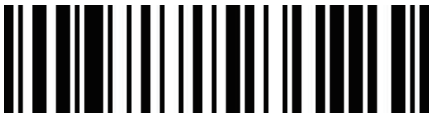
6

7

8

9

10



11

12

13

14

15

16

Notes： If you need to cancel hiding characters setting,you can scan following setting code

Cancel Hiding Pre-characters

Cancel Hiding Post-characters

Add Time As Prefix or Suffix

A.Scanning setting code “Add Time as Prefix” ,then there is scanning time in front of barcode data.

Add Time as Prefix

B.Scanning setting code “Add Time as Suffix” then there is scanning time behind barcode data.

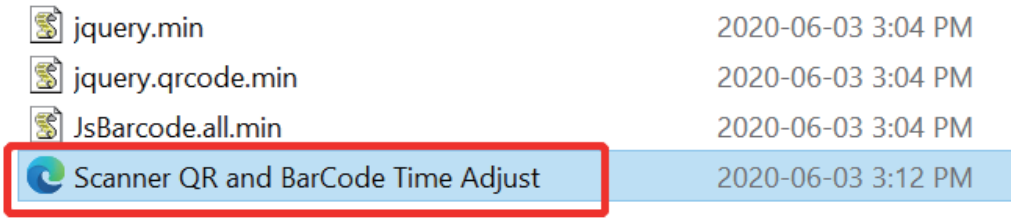
Add Time as Suffix

C.If you do not need scanning time as prefix or suffix,you can scan following setting code “Cancel Setting” .

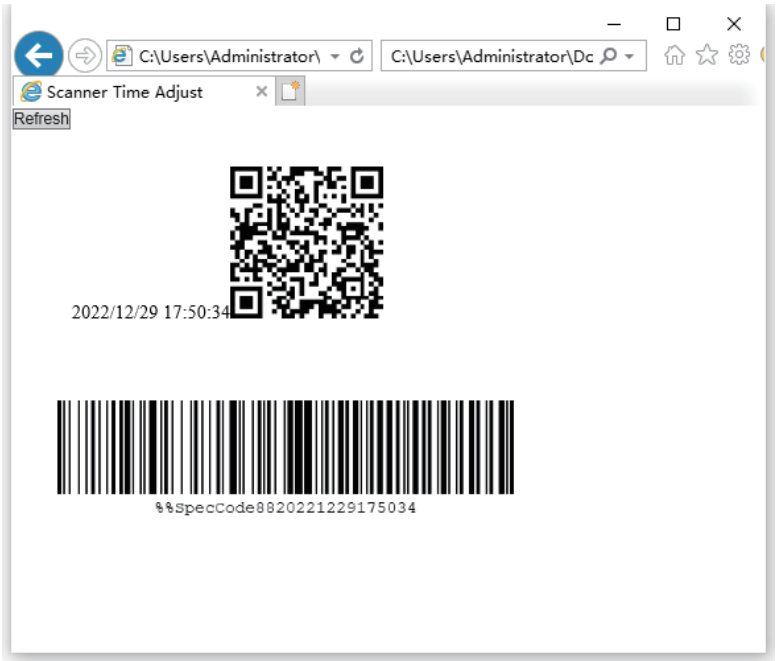
Cancel Setting

Update Time

1. Run the Web as below:



2. Scan Below codes to Calibrate Time of Scanner.



Notes: "Scanner Time Setting Offline Web Version" program can be downloaded in website:
https://symcode.cn/public/upload/Scanner%20Time%20Setting%20Offline%20Web%20Version.rar

or scan QR-code below

Screen Language Setting

Chinese

English

Prefix/Suffix Setting

The setting prefix and suffix is divided into two parts,displayable characters and controlled characters

1st Part:Displayable characters

Step1:Scanning following setting code “Add Prefix” or “Add Suffix”

Add Prefix

Add Suffix

Step2 :Finding the character which you need to add as prefix or suffix in appendix B,and scanning the corresponding barcode to the character.

2nd Part：Controlled Characters

Step1:Finding the character which you need to add as prefix or suffix in appendix A,and scanning the barcode corresponding to the character set.

Character Set 0

Character Set 1

Character Set 2

Character Set 3

Character Set 4

Step2:Scanning following setting code “Add Prefix” or “Add Suffix”

Add Prefix

Add Suffix

Step3:Finding the character which you need to add as prefix or suffix in appendix A,and scanning the corresponding barcode to the character.

Notes： Scanning following setting code if you need to cancel prefix and suffix setting

Cancel Prefix Setting

Cancel Suffix Setting

2.4G Wireless COM-Port Mode Setting

Step1:Scanning setting code “COM-Port Mode”

COM-Port Mode

Step2:Scanning setting code “Enter Pairing Mode”

Enter Pairing Mode

Step3:Insert the 2.4GHz wireless dongle into USB port of your device.One beep shows that scanner and wireless dongle get connected.And it will generate a COM port in your device.

Notes： When the scanner is entered 2.4G COM-Port Mode pairing status and it does not get connected with your device within 1 minutes,it will beep twice lowlyand longly.You need to repeat above-mentioned 3 steps to make it connectwith you device.(When the scanner is in the 2.4G COM-Port pairing status,double-click can make it exit the pairing mode).

Once you scan 2.4G COM mode, the scanner is under virtual COM port even it is connected by USB cable.

Enable/Disable HID Searching by Pressing Scan Button 8S Settings
Support bluetooth transmission

Enable

Disable

2.4GHz Wireless Transfer Speed Settings

Select the corresponding delay time interval according to the receiving speed of the device.

Turn on delay

Turn off delay

Delay time interval setting:

5ms

10ms

20ms

30ms

40ms

50ms

AppendixA:Controlled Characters

Decimal	ASCII	Character Set 0	Character Set 1	Character Set 2	Character Set 3	Character Set 4	Setting Code
1	SOH	NULL	Home	Ctrl+A	Alt+001	CR	
2	STX	Ctrl+B	End	Ctrl+B	Alt+002	Cap Lock	
3	ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	Right Arrow	
4	EOT	NULL	Down Arrow	Ctrl+D	Alt+004	Up Arrow	
5	ENQ	NULL	Left Arrow	Ctrl+E	Alt+005	NULL	
6	ACK	NULL	Right Arrow	Ctrl+F	Alt+006	NULL	
7	BEL	NULL	Shift+Tab	Ctrl+G	Alt+007	Enter	
8	BS	Back Space	Back Space	Back Space	Alt+008	Left Arrow	
9	HT	Tab	Tab	Tab	Alt+009	Tab	
10	LF	Enter	Enter	Ctrl+P	Alt+010	Down Arrow	
11	VT	NULL	NULL	Ctrl+Q	Alt+011	Tab	
12	FF	NULL	NULL	Ctrl+R	Alt+012	delete	
13	CR	Enter	Enter	Enter	Alt+013	Enter	

Decimal	ASCII	Character Set 0	Character Set 1	Character Set 2	Character Set 3	Character Set 4	Setting Code
14	S0	F1	Page Up	Ctrl+N	Alt+014	Insert	
15	S1	F2	Page Down	Ctrl+O	Alt+015	Esc	
16	DLE	F3	F11	Ctrl+P	Alt+016	F11	
17	DC1	F4	NULL	Ctrl+Q	Alt+017	Home	
18	DC2	F5	NULL	Ctrl+R	Alt+018	Print Screen	
19	DC3	F6	NULL	Ctrl+S	Alt+019	Back Space	
20	DC4	F7	NULL	Ctrl+T	Alt+020	Shift tab	
21	NAK	F8	F12	Ctrl+U	Alt+021	F12	
22	SYN	F9	F1	Ctrl+V	Alt+022	F1	
23	TB	F10	F2	Ctrl+W	Alt+023	F2	
24	CAN	F11	F3	Ctrl+X	Alt+024	F3	
25	EM	F12	F4	Ctrl+Y	Alt+025	F4	
26	SUB	NULL	F5	Ctrl+Z	Alt+026	F5	
27	Esc	Esc	F6	Ctrl+[	Alt+027	F6	

Decimal	ASCII	Character Set 0	Character Set 1	Character Set 2	Character Set 3	Character Set 4	Setting Code
28	FS	ALT+028	F7	Ctrl+\	Alt+028	F7	
29	GS	ALT+029	F8	Ctrl+]	Alt+029	F8	
30	RS	NULL	F9	Ctrl+^	Alt+030	F9	
31	US	NULL	F10	Ctrl+_	Alt+031	F10	

AppendixB:Displayable Characters

Decimal	ASCII	Setting Code
32	空格	
33	!	
34	"	
35	#	
36	$	
37	%	
38	&	
39	’	
40	(	
41	)	
42	*	
43	+	
44	,	

Decimal	ASCII	Setting Code
45	-	
46	.	
47	/	
48	0	
49	1	
50	2	
51	3	
52	4	
53	5	
54	6	
55	7	
56	8	
57	9	

Decimal	ASCII	Setting Code
58	:	
59	;	
60	<	
61	=	
62	>	
63	?	
64	@	
65	A	
66	B	
67	C	
68	D	
69	E	
70	F	
71	G	

Decimal	ASCII	Setting Code
72	H	
73	I	
74	J	
75	K	
76	L	
77	M	
78	N	
79	O	
80	P	
81	Q	
82	R	
83	S	
84	T	
85	U	

Decimal	ASCII	Setting Code
86	V	
87	W	
88	X	
89	Y	
90	Z	
91	[	
92	\	
93	]	
94	^	
95	_	
96	‘	
97	a	
98	b	
99	c	

Decimal	ASCII	Setting Code
100	d	
101	e	
102	f	
103	g	
104	h	
105	i	
106	j	
107	k	
108	l	
109	m	
110	n	
111	o	
112	p	
113	q	

Decimal	ASCII	Setting Code
114	r	
115	s	
116	t	
117	u	
118	v	
119	w	
120	x	
121	y	
122	z	
123	{	
124	|	
125	}	
126	~	
127	DEL	

Decimal	ASCII	Setting Code
199	Ç	
231	ç	

FAQ (Frequently Asked Questions)

▶ What should I do if the scanner can not pair with my bluetooth device?

A.Making sure the scanner is in the pairing state under the required Bluetooth protocol

B.If the devices has connected successfully with other barcode scanner via bluetooth,or other devices.Please delete the bluetooth connection record before connecting

C.The wireless module has been damaged

▶ Why can not the scanner read some codes?

A.The scan engine does not support that code type or disabled defaultly You can contact with us to enable it.

▶ Why can not the scanner transfer data to my device when they are connected?

A.Please confirm if the scanner is under "Storage Mode",you need to turn it to "Normal Mode" or scanning setting code "Upload Data" to transfer data to your device.

B.The wireless module may has been damaged.

▶ Why does the data which show in my device is not the same as code?

A.Please confirm that if the keyboard language of the scanner is the same as your devices'.

▶ Why can not the scanner charge?

A.Please choose the correct charge head and charge cable.

B.Charging circuit or battery may has been damaged.

▶ How to make more settings?

Please contact with us for more settings.

Buzzcr Proformancc	Introduction
one/long beep low to high frequency	power on
one/long beep high to low frequency	power off
one/short beep low frequency	read a code under normal mode
one/short beep low to high frequency	read a code under storage mode
one/short beep high to high frequency	read a setting mode
three/short beeps low frequency	transfer failure or storage space is full

Battery Display

FCC Warning 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device 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.

The device has been evaluated to meet general RF exposure requirement.