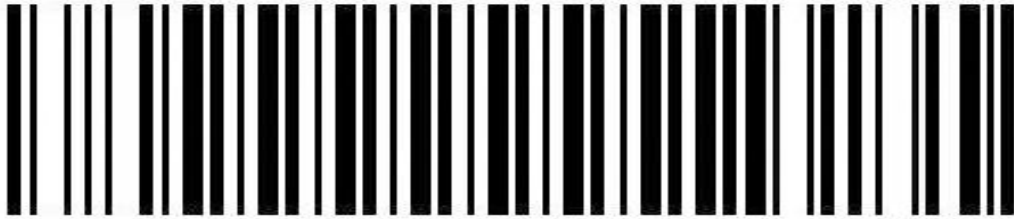# FS02 user manual

- **HID mode for IOS**

1. Turn on the barcode reader, and read below barcodes sequence, the blue LED will flash rapidly.
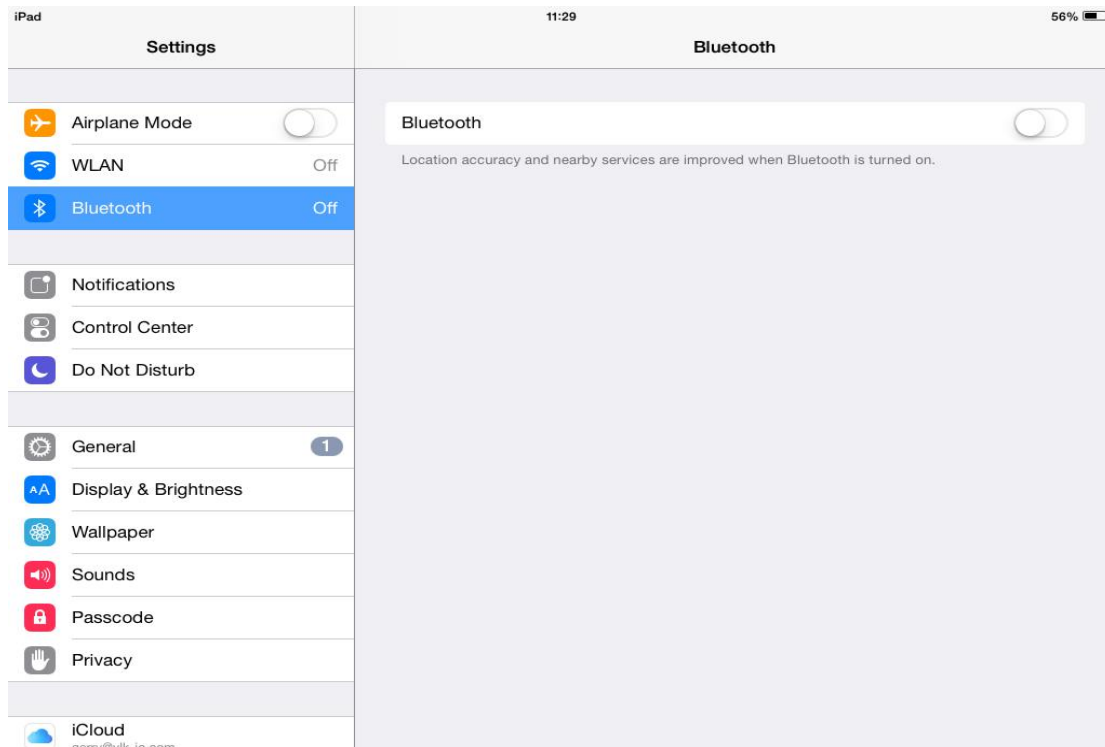

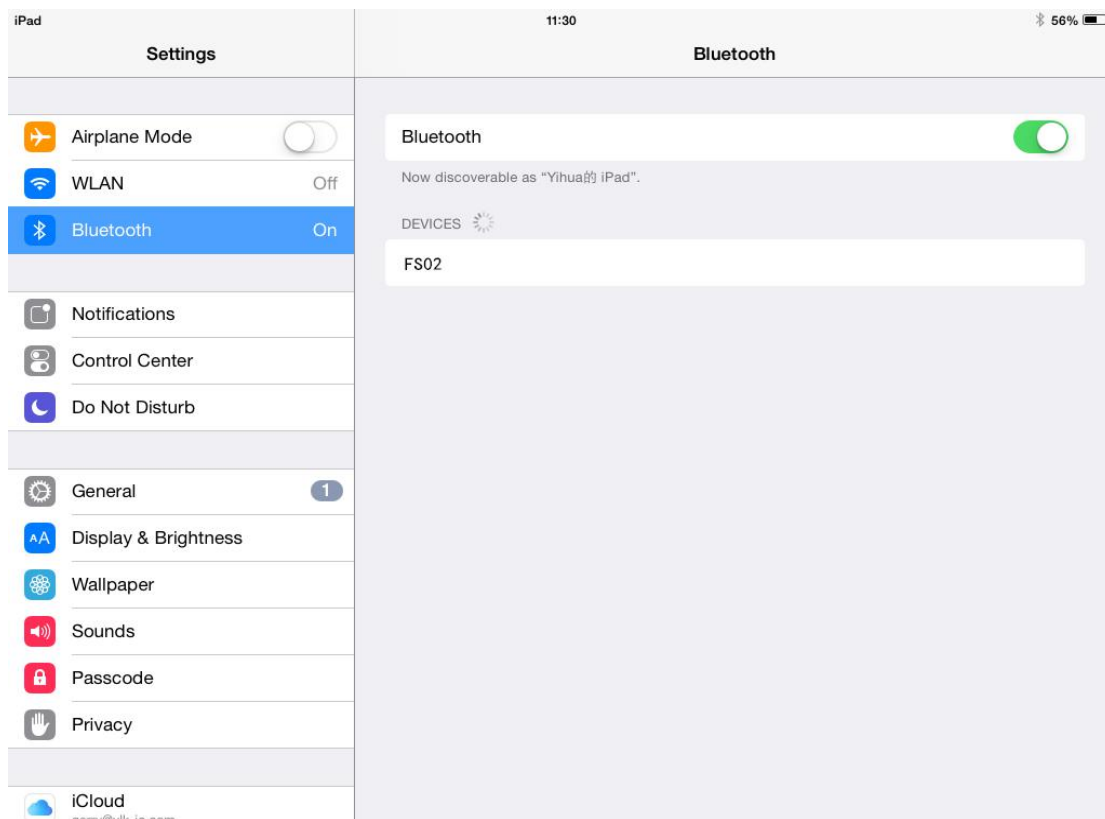Bluetooth HID Mode

BlueTooth pairing mode

Bluetooth output

2. Enable the bluetooth of IOS to pair with the barcode reader. After the pairing is successful, you can use it with Notes/office files or other cursor blinking position. (Please follow the steps below)
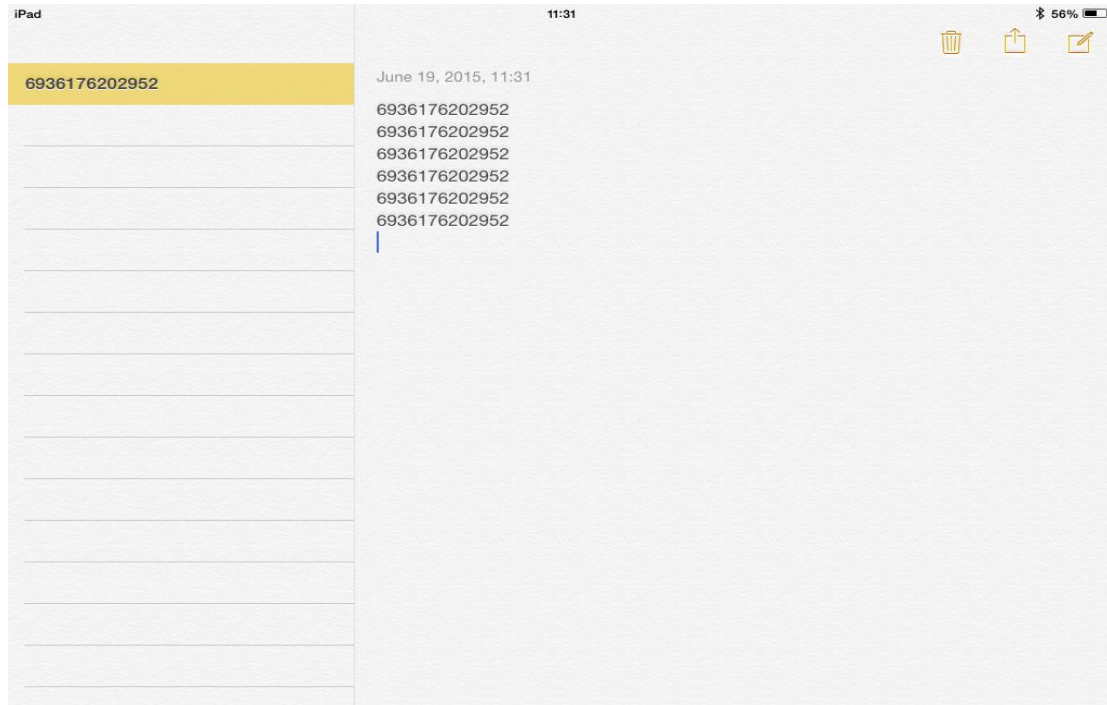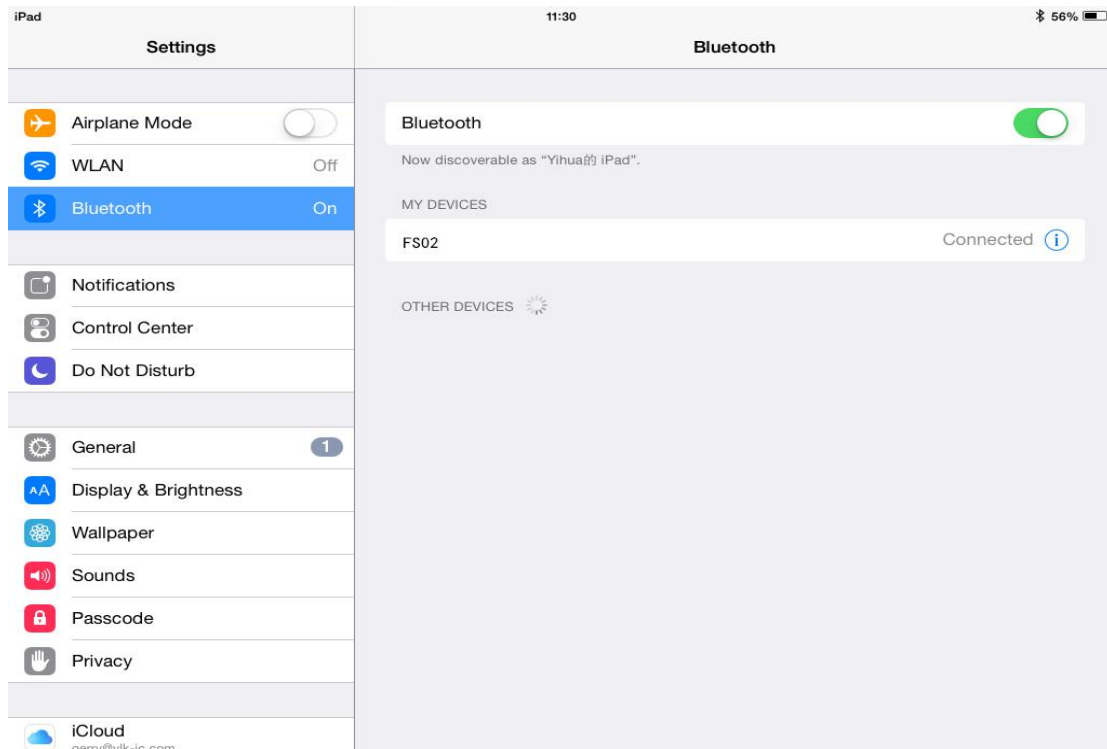
（1）Turn on the ipad, and find the bluetooth option.

（2）Enable bluetooth, and the ipad will search automatically. After the searching is finished, click the scanner's name to connect.
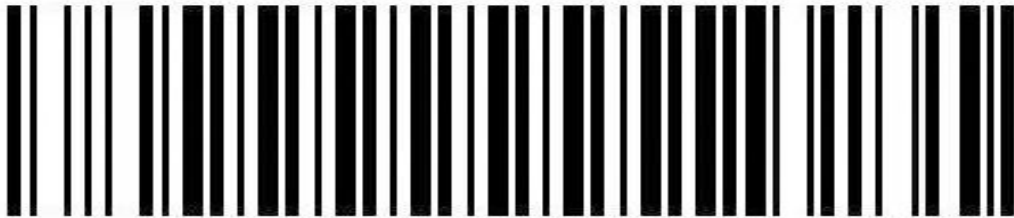
（3）After the connection is successful, the blue LED on the scanner will be off. Then you can use it with Notes/office files or other cursor blinking position.

Note: In android system, If the soft keyboard can not display, you need to switch the hardware physical keyboard to OFF status. In IOS system, you can also click trigger button for four times to hide and display soft keyboard for IOS.
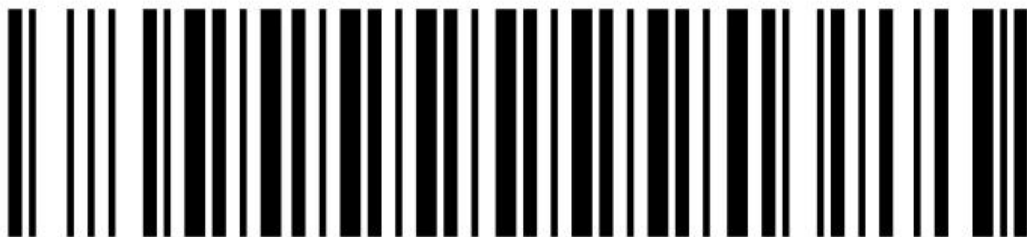
- **HID mode for Windows**

1. Turn on the barcode reader, and read below barcodes sequence, the blue LED will flash rapidly.
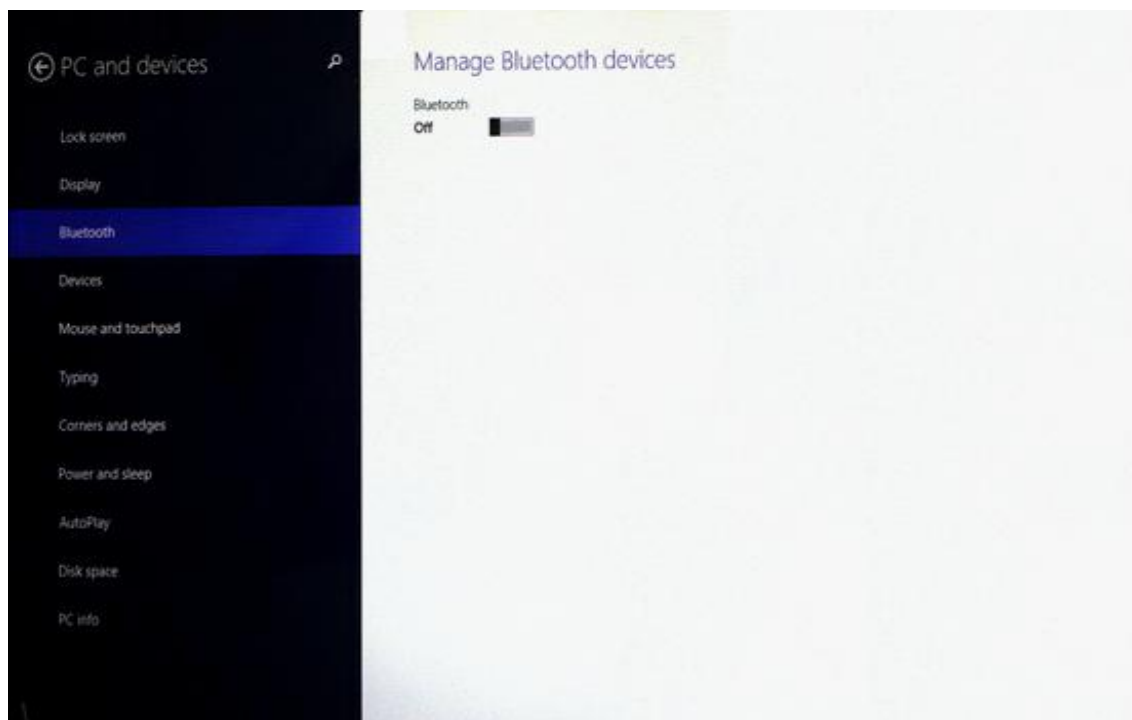
Bluetooth HID Mode

BlueTooth pairing mode

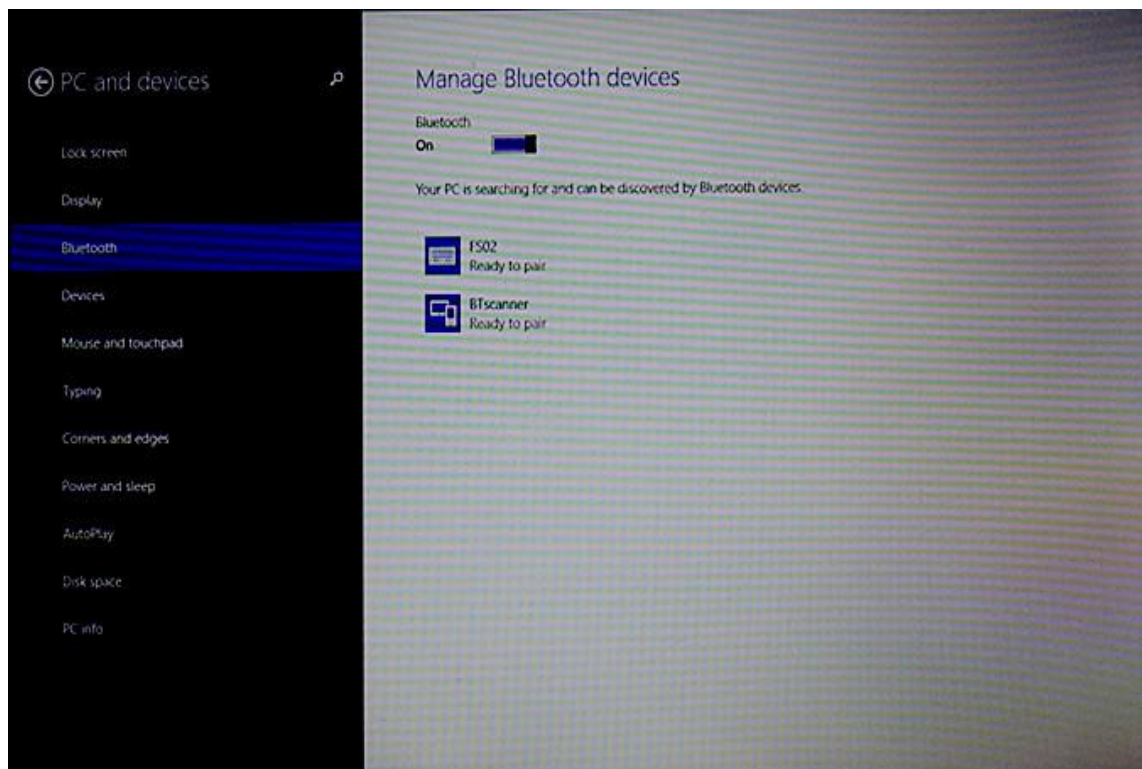Bluetooth output

2. Enable the bluetooth of Windows device to pair with the barcode reader. After the pairing is successful, the blue LED on the scanner will be off. Please follow the steps below.

（1）Find out the bluetooth option on the computer.

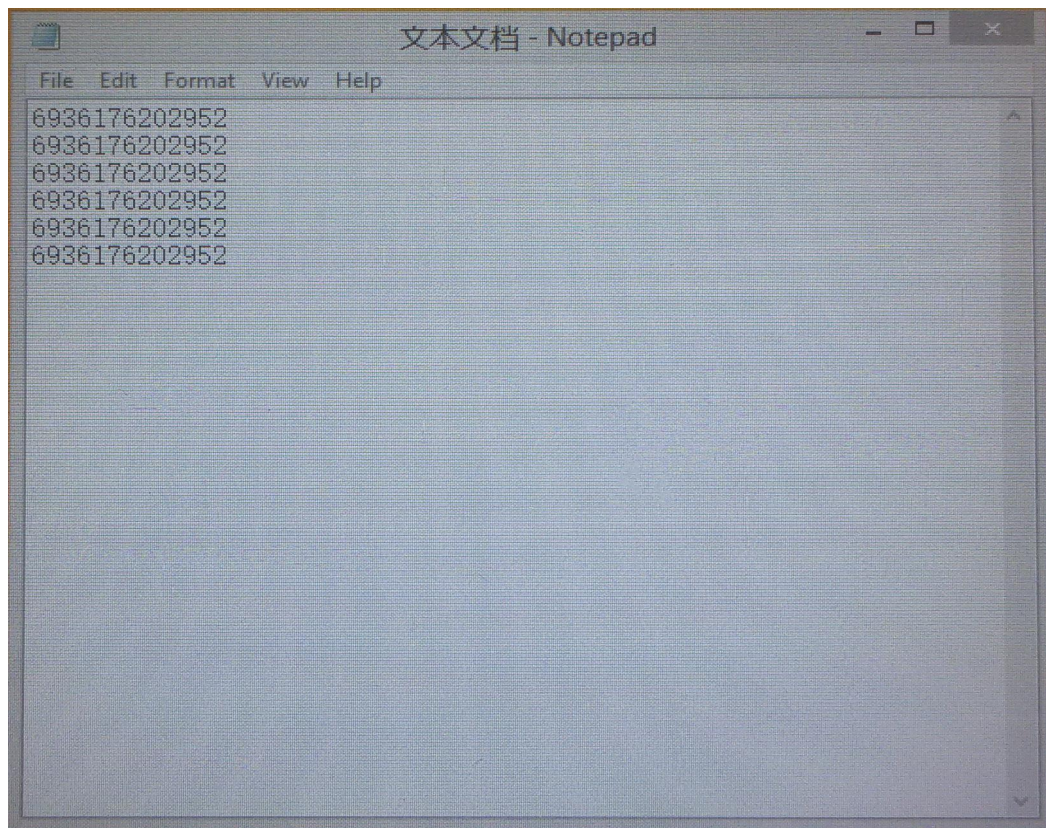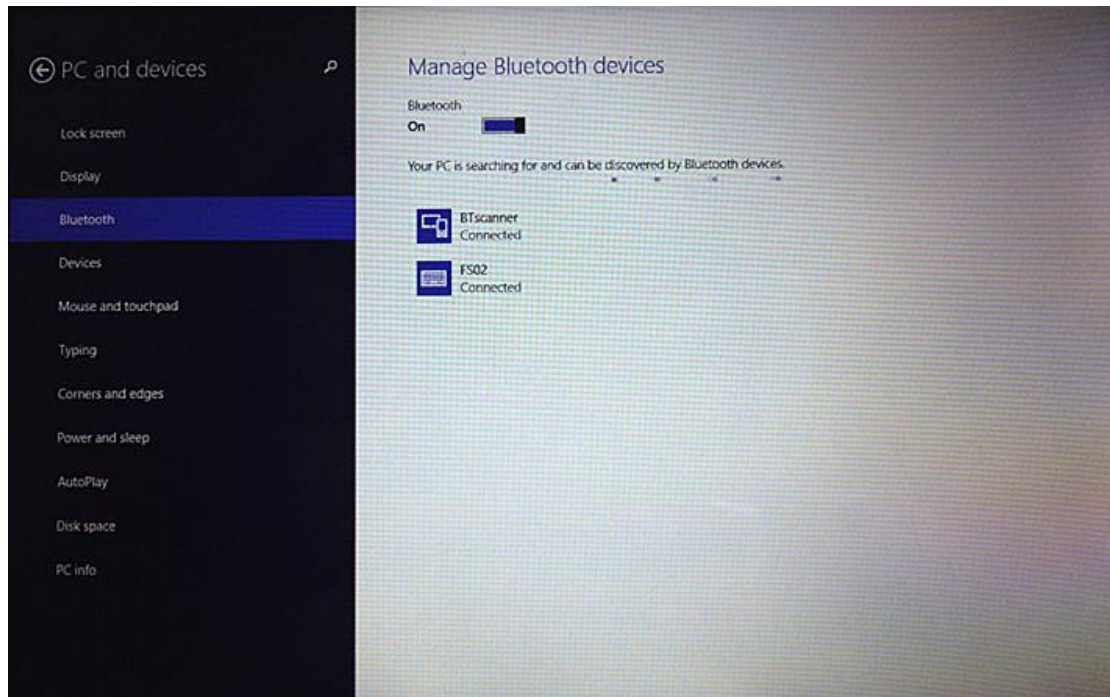

(2) Enable the bluetooth, and the Windows device will search automatically. After the searching is finished, click the scanner's name to connect.

（3）After the connection is successful, the blue LED on the scanner will be off. Then you can use it with Notes/office files or other cursor blinking position.

● **SPP mode for Windows**

1. Turn on the barcode reader, and read below barcodes sequence, the blue LED will flash slowly.
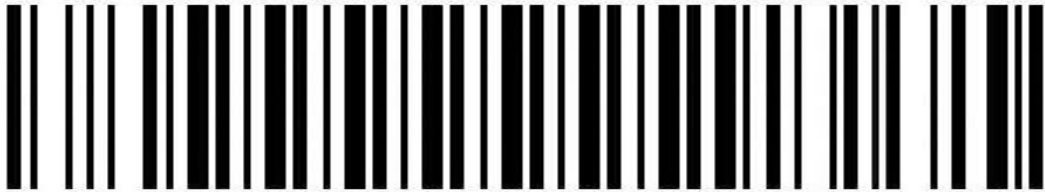
Bluetooth SPP Mode

BlueTooth pairing mode
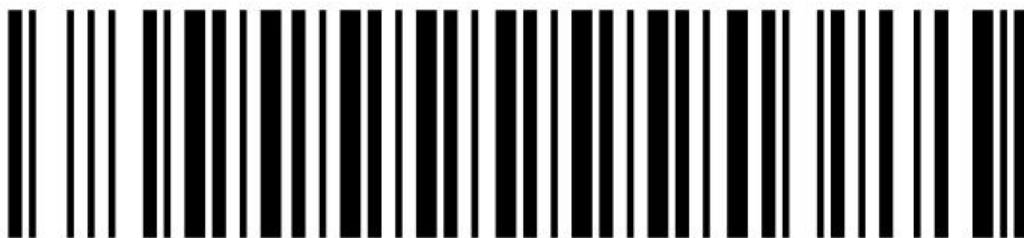
Bluetooth output

2. Enable the bluetooth of Windows, and pair the barcode reader. The PIN number of SPP mode is 1234.
And now you need a software to help connection. Please download the test software for Serial port from internet, then install the test software to your computer and run it. Please follow the steps below:

(1) Please double click to open the software, choose "Serial Port", you need to find out the COM port first in the Device manager of computer, then select the COM port in the software, click "Open Device".

(2) Now the blue LED on the scanner will be off.

(3) After the connection is successful, you can scan barcode data into the dialog box .
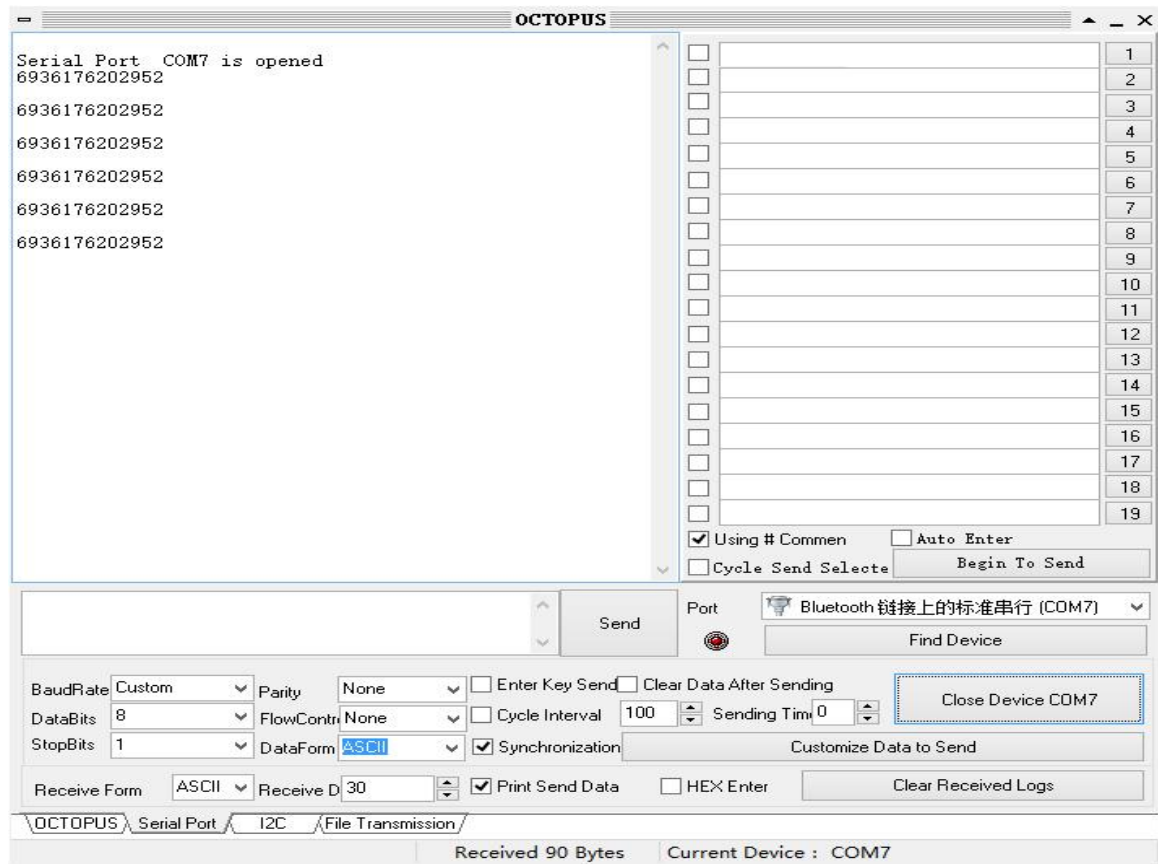
● **HID mode for Android**

1.Turn on the barcode reader, and read below barcodes sequence, the blue LED will flash rapidly.
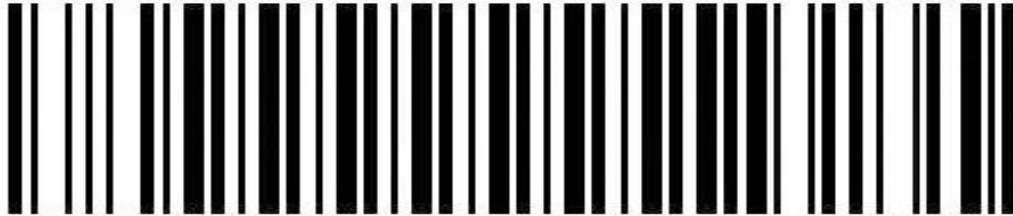
Bluetooth HID Mode

BlueTooth pairing mode
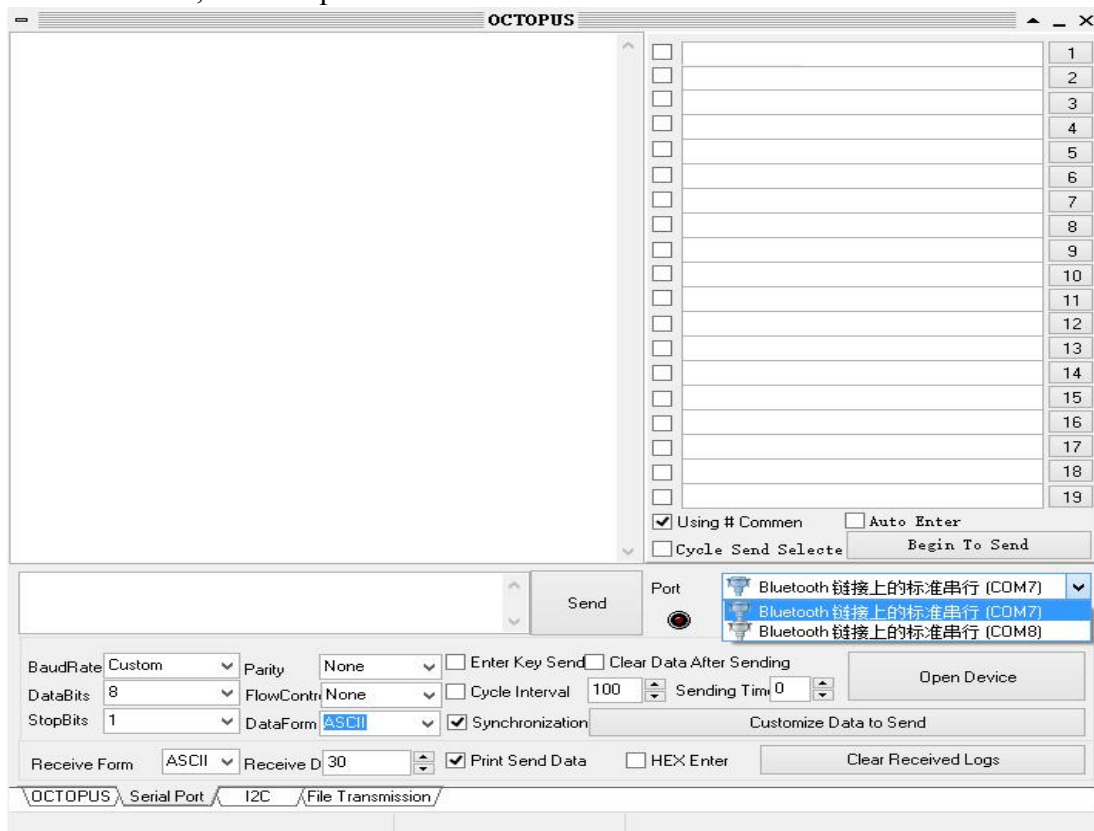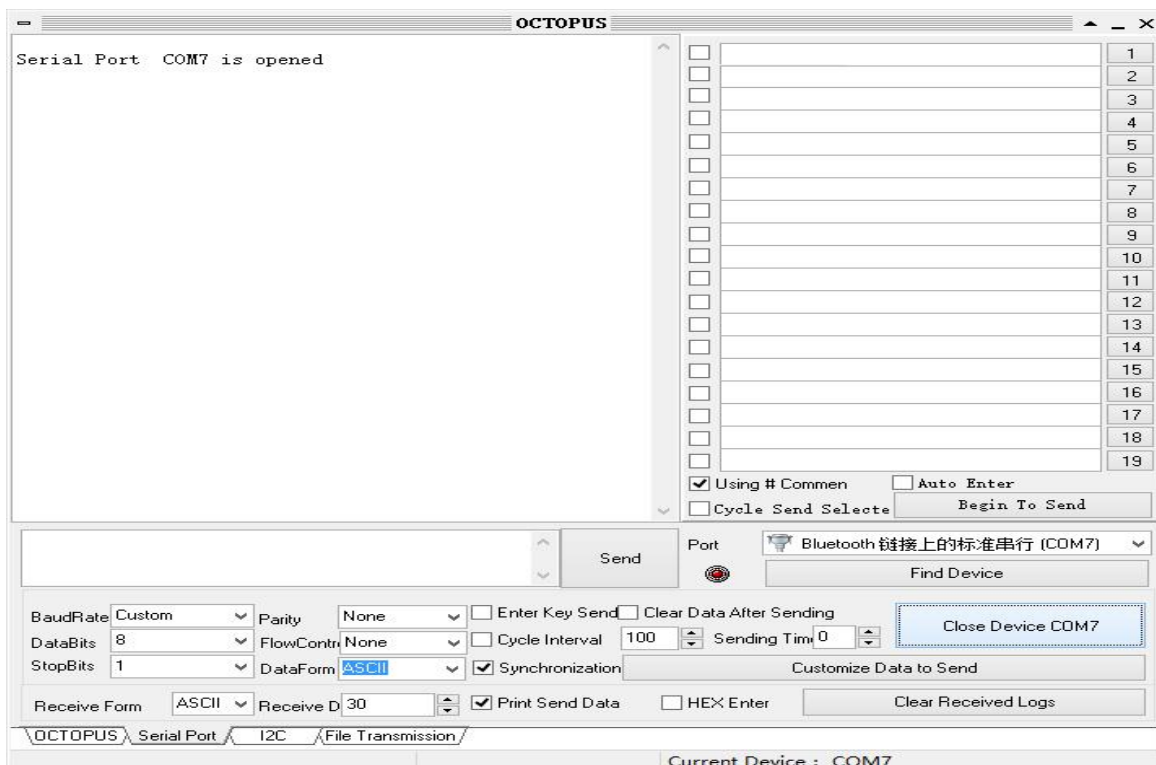

Bluetooth output

Enable the bluetooth of Android device to pair with the barcode reader. After the pairing is successful, the blue LED on the scanner will be off. Please follow the steps below.

(1)Find the bluetooth icon in setting, shown in "The 1st" picture. Click to enter and enable bluetooth, and then the Android device will automatically search, shown in "The 2nd" picture.
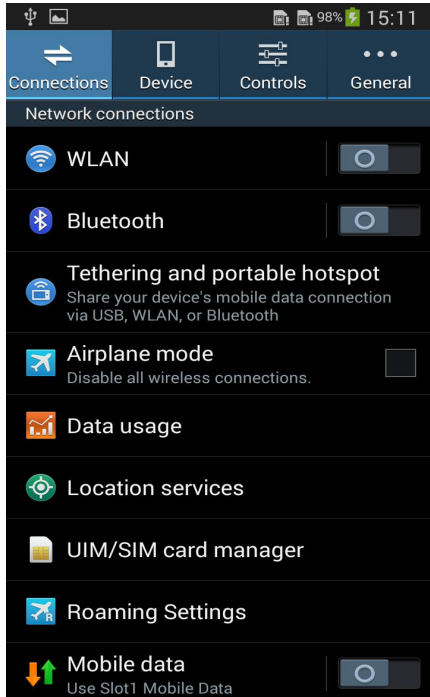
The 1st
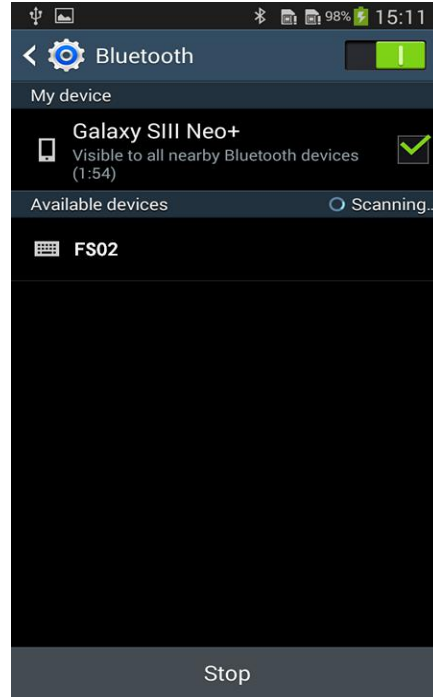
The 2nd

(2)After the search is completed, click scanner's name to connect, then "Bluetooth keyboard connected" will display on the soft keyboard, and the blue LED on the scanner will be off, the connection is successful, shown in "The 3rd" picture. Now, you can use it with Notes/office files or other cursor blinking position, shown in "The 4th" picture.

The 3rd
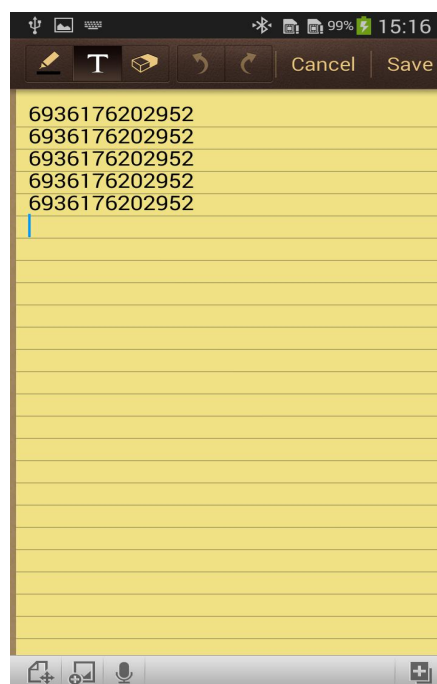
The 4th

● **SPP mode for Android**

Due to some Android device can't support Bluetooth HID protocol very well. It can not connect bluetooth scanner with HID mode. In general, Android support SPP protocol very well.

1. Turn on the barcode reader, and read below barcodes sequence, the blue LED will flash slowly.
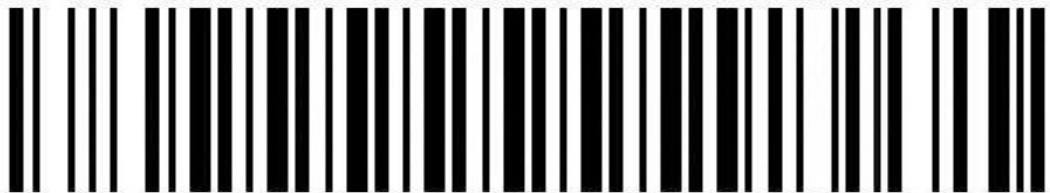
Bluetooth SPP Mode
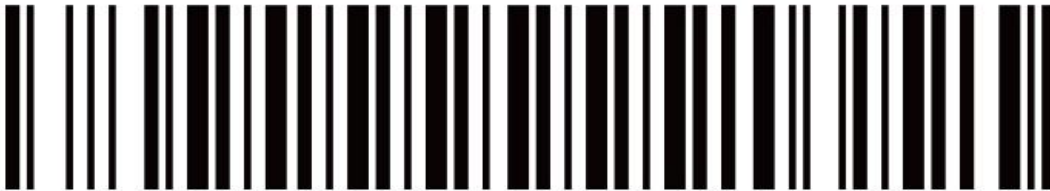
BlueTooth pairing mode

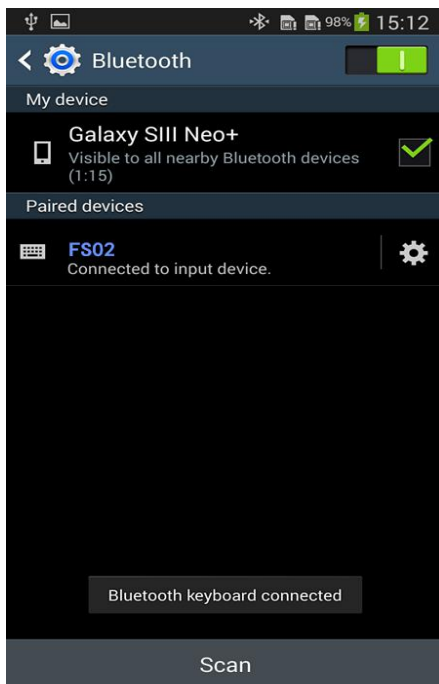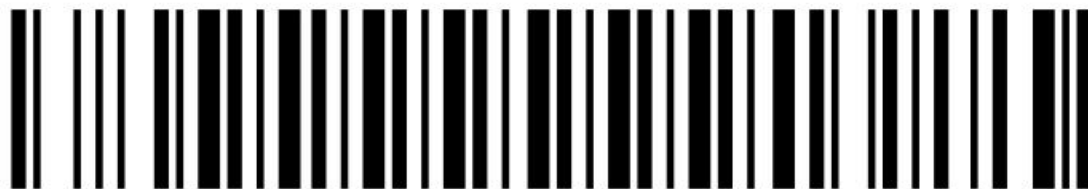Bluetooth output

2. Please download our BIM(Bluetooth Input Method) for android from our website, or get it from our sales, then install BIM to your smartphone and run it. And then please follow the wizard to connect barcode scanner to finish the connection. The PIN number of SPP mode is 1234.

   After the connection is successful, the blue LED on the scanner will be off.

● **User manual for Bluetooth Input Method in Android device**

(1) Install BIM .apk into Android device, run and use it as below steps one by one, shown in "The 5th" picture.

(2) Click "SCAN", select "BIM" in the pop-up window, shown in "The 6th" picture.
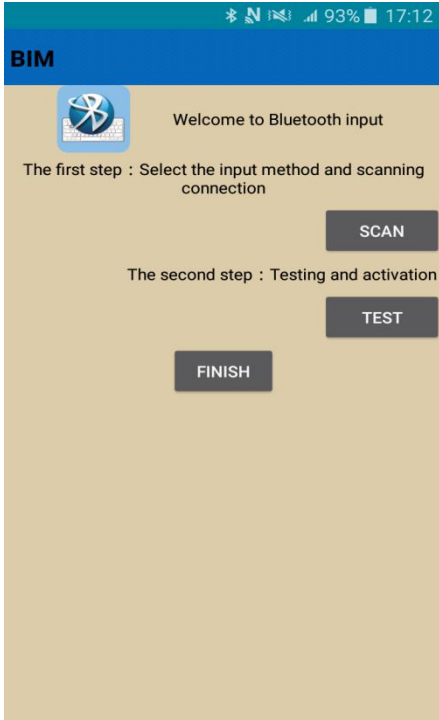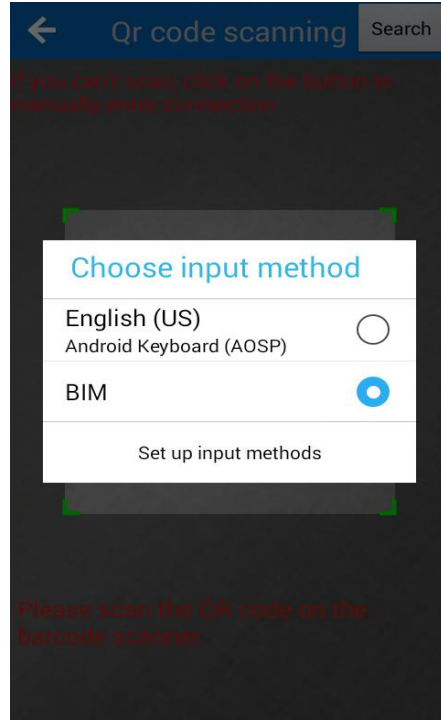
The 5th   The 6th

(3) Now you have two methods to connect scanner, please follow the steps below:

Way 1: Scan the Mac address(QR code) on the scanner, shown in "The 7th" picture, after, you will see "Scan is successful, please connect the bluetooth", click "Ok", shown in "The 8th" picture.
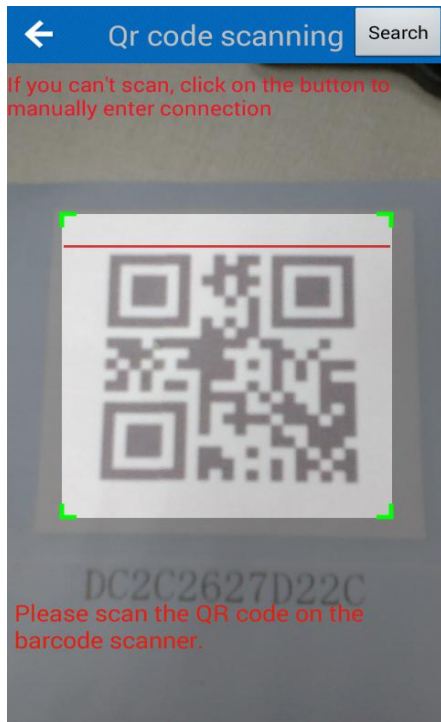
The 7th
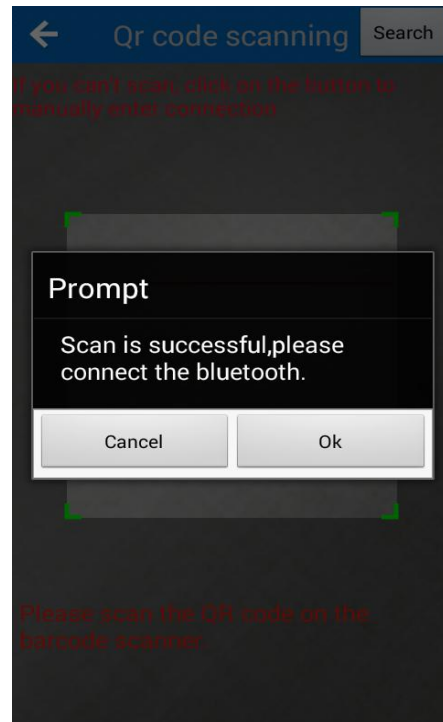
The 8th

Way 2: Click "Search" on the top right corner in "The 7th" picture, and click search in pop-up window, shown in "The 9th" picture, choose the scanner's name to connect, shown as "The 10th" picture.
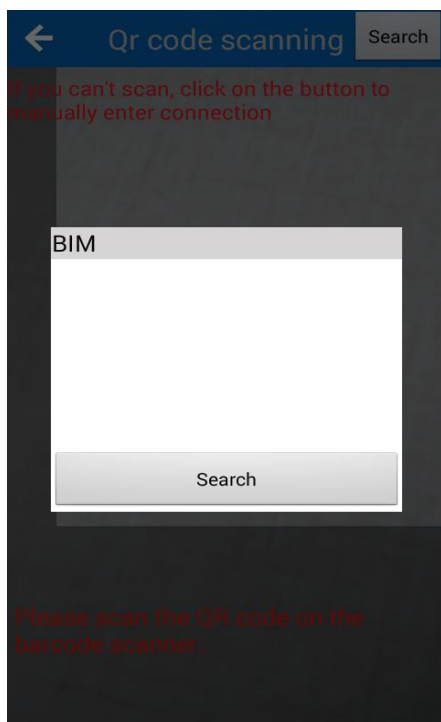
The 9th
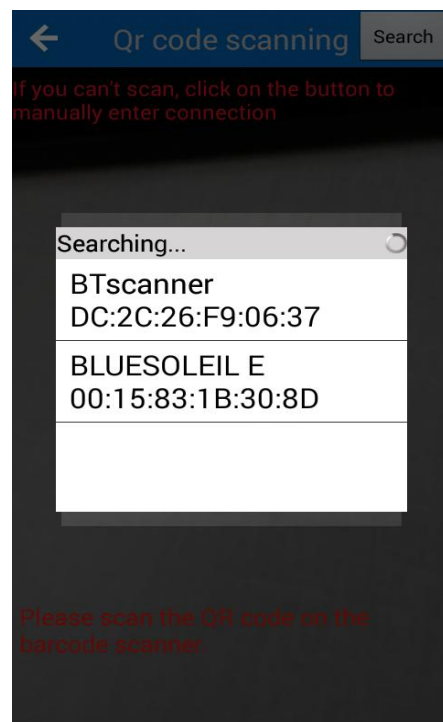
The 10th

(4) Connection is successful, it will shown: "Activation successful". shown in "The 11th" picture, now you can scan the barcode to the text box or notepad, word..., shown in "The 12th" picture.

Note: If it doesn't connect automatically, click "BT" in "The 11th" picture, and click "Connect".
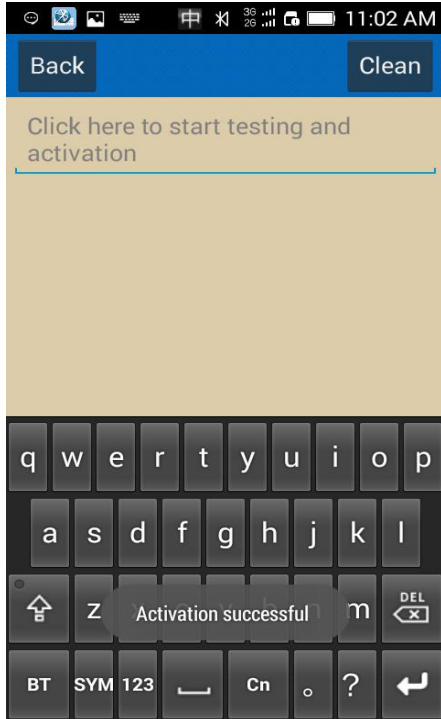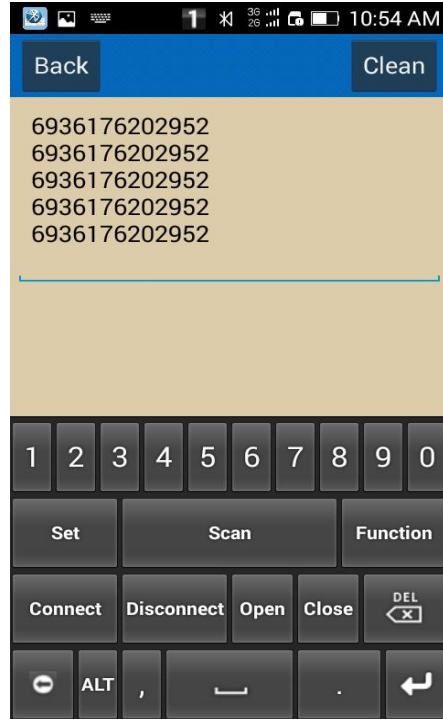
         The 11th   The 12th

(5) Shown as "The 13th" picture, click "Open"/ "Close" to turn on / off the virtual keys, you can click on the white circle to scan barcode.
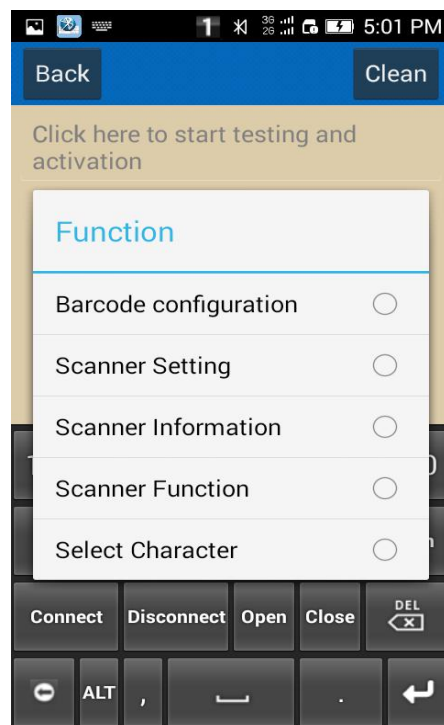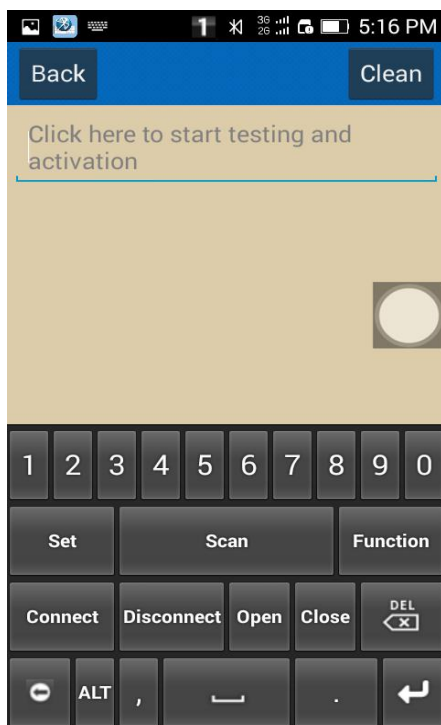
<center>The 13th   The 14th</center>

(6) You can configure the barcode reader via the "Function" in the picture "The 13th", shown as "The 14th" picture.

Click "Scanner Setting", you can set bluetooth name/prefix Character/suffix character/buzzer/output model and sleep time of the barcode reader, please check "The 15th" picture.
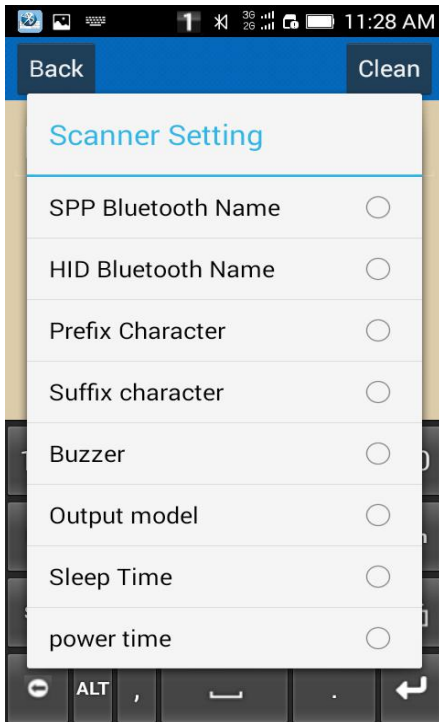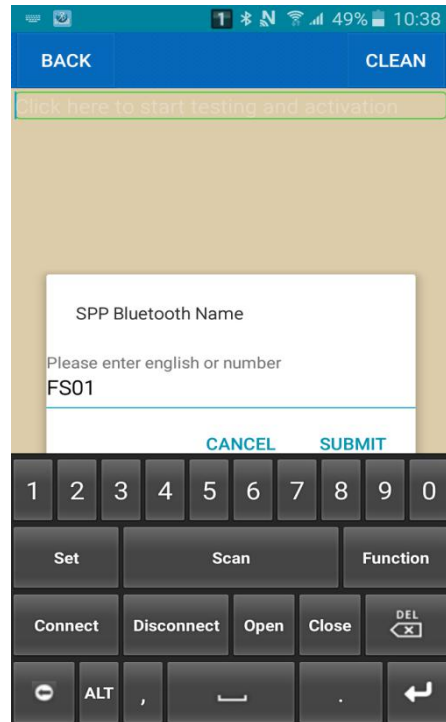
<center>The 15th   The 16th</center>

(7) SPP Bluetooth Name: Please click "SPP Bluetooth Name", and enter the required set of Bluetooth name in the pop-up window, then click "SUBMIT", shown in "The 16th" picture.

(8) HID Bluetooth Name: The method is same as SPP Bluetooth Name.
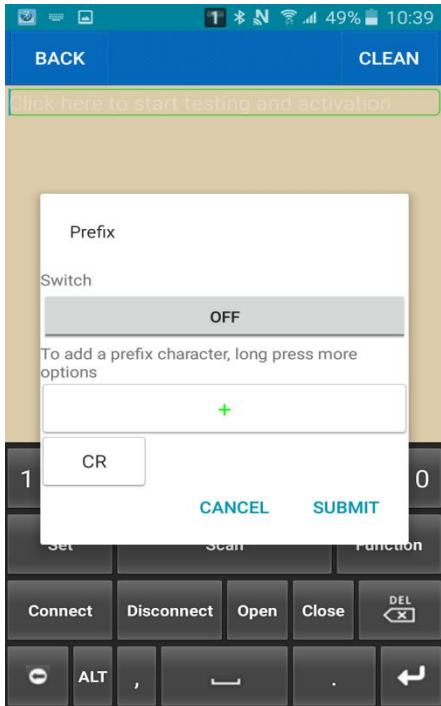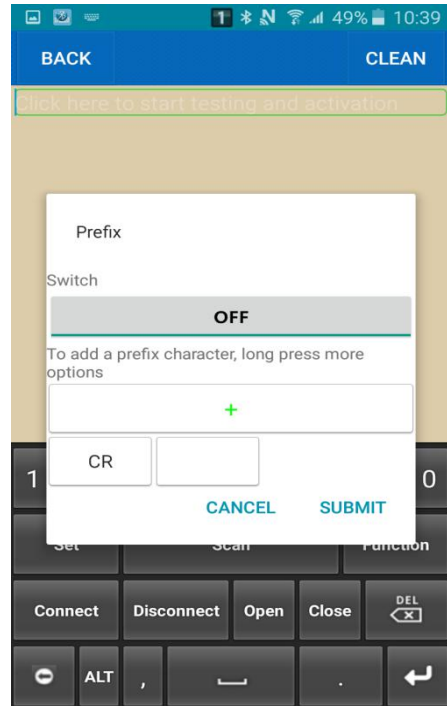
The 17th   The 18th

(9) Prefix character: Please click "Prefix Character" option in "The 15th" picture, and click"+" in the pop-up window, shown in "The 17th" and "The 18th" picture. Now click the text-box behind "CR"(CR is default setting of the product, please refer to the ASCII). Shown in "The 19th" picture.
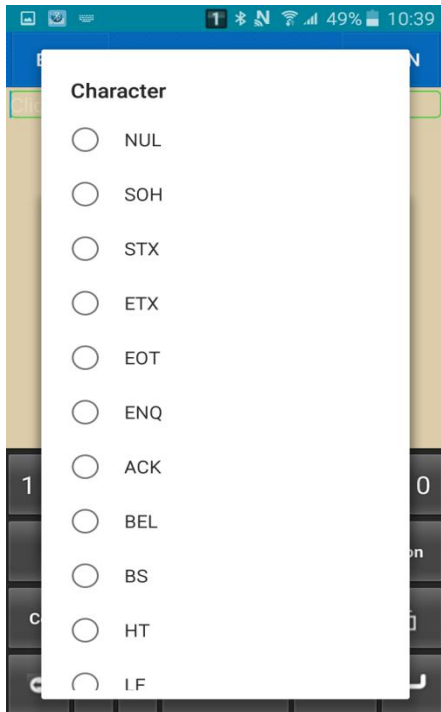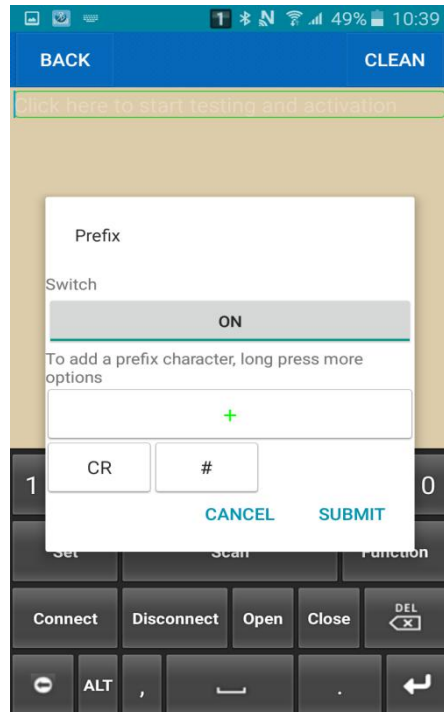
The 19th   The 20th

(10) Choose the symbol required, and *enable Prefix*, shown in "The 20th" picture, then click "SUBMIT", the setting is finished(the same method to set Suffix).

(11)   Now you can scan barcode, shown in "The 21th" picture.
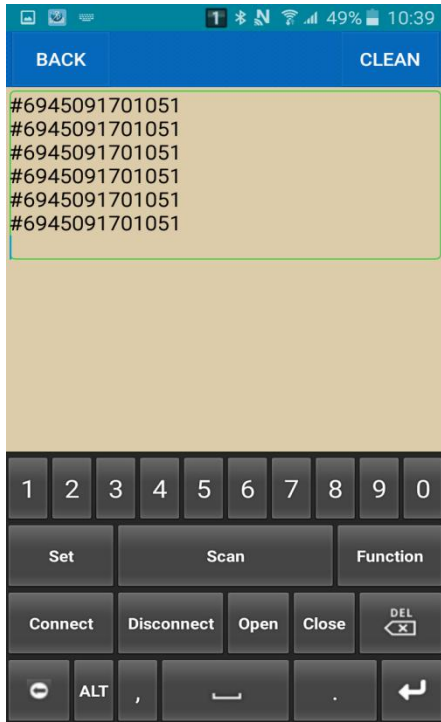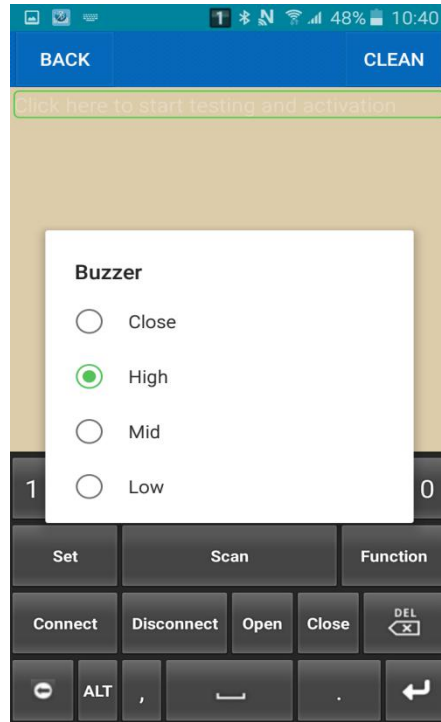
The 21h   The 22th

Note: The default suffixes are CR and LF, please put your suffix in front of the default suffix.

(12) Buzzer: Click " Buzzer", and choose the Volume required, shown in "The 22th" picture.

Note: When you configure the barcode reader, please keep the scanner is active mode, the method is: click the scan button on the barcode reader every 2-3 seconds, but don't read any barcodes.

● **USB mode:**
If you need to use a USB cable to connect the scanner, you need to set the output mode to USB mode. Please scan the following two barcodes:
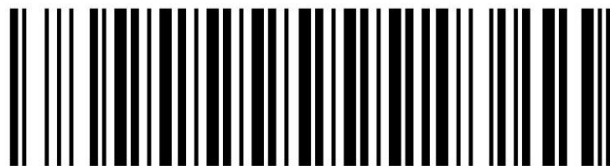
USB output
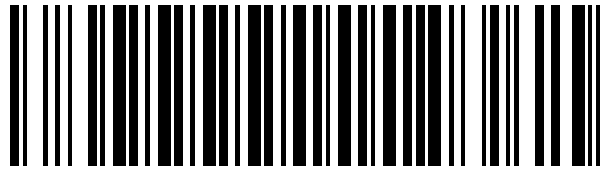
USB mode

This barcode scanner has five languages for your selection, and used in USB output mode. You need to switch the computer input method to the same, please scan the barcodes below.

USA_Language
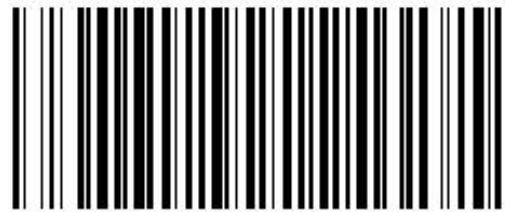
French_Language

German_Language
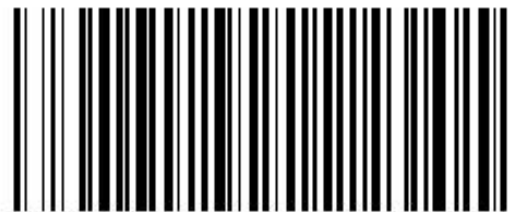
Italy_Language

Spanish_Language

● **Offline mode:**

You can use offline upload functionality, barcode data stored in the scanner can be uploaded to your smartphone or computer via Bluetooth or USB.

Concrete implementation steps:

1. Scan "start offline state" and "Offline mode" barcodes as shown below to enter the offline scanning. The data you scanned will be stored in the scanning device.
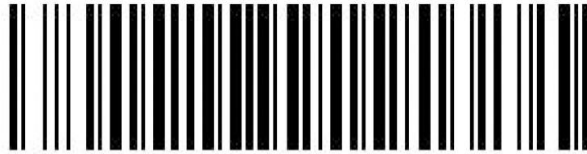
Start Offline State
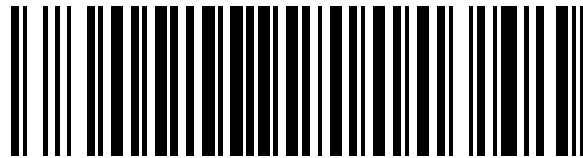
Offline mode

2. The customer can connect to the computer through USB or Bluetooth interface or data terminal to upload the data. If customers need to save the data stored in the file, open Note pad or similar software to enter the data. If the customer wants to store data in a custom application (such as submitted the barcode data into a application), refer the customer to the insertion point where you want to enter the data in the dialog box. Then barcode data entry and online scanning are in the same way. Customers can choose different speed to upload the data according to your application. There are three different speeds for you: fast speed, middle speed and slow speed upload.

(1) Fast upload means upload data without time interval;

(2) Middle speed is to upload data the interval of 1 second;

(3) Slow upload refers to each interval of 3 seconds to upload the data.
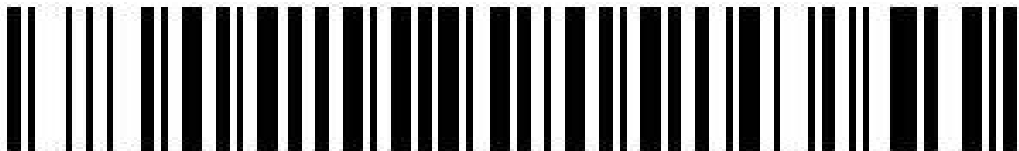
Fast Upload
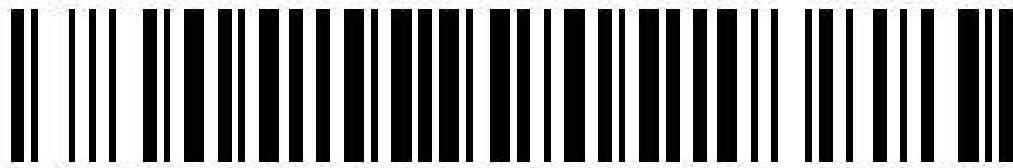
Middle Speed Upload

Slow Speed Upload

3. The customer can also scan the "Statistical number of stores" barcode to view the number of stored barcode.

Statistical number of stores

4. After the upload data, related applications will store the uploaded data. If the data stored in scanner needs to clear, please scan the barcode below to clear the data.

Clear the storage

5. After the above steps, scan "Stop offline state" barcode, ending the offline scanning stored procedure.

Stop Offline State

- **Barcode setting**

The barcode scanner can read different type of barcode, please scan the corresponding barcode to set.

Global Settings			
Enable all symbologies	WFFD981	**Disable all symbologies**	WFFD982
Enable 1D symbologies	WFFD983	**Disable 1D symbologies**	WFFD984
Enable 2D symbologies	WFFD985	**Disable 2D symbologies**	WFFD986

1D Symbologies		
Code 128		
*Enable	**Disable**	**Restore the factory defaults**
W011601	W011600	WFFD990
UCC/EAN-128(GS1-128)		
*Enable	**Disable**	**Restore the factory defaults**
W011701	W011700	WFFD991
AIM128		
*Enable	**Disable**	**Restore the factory defaults**
W101610	W101600	WFFD992
EAN-8		
*Enable	**Disable**	**Restore the factory defaults**
W011301	W011300	WFFD994

EAN-13		
*Enable	Disable	Restore the factory defaults
W011101	W011100	WFFD995

ISSN		
Enable	*Disable	Restore the factory defaults
W401140	W401100	WFFD996

ISBN		
*Enable	Disable	Restore the factory defaults
W011201	W011200	WFFD997

UPC-E		
*Enable	Disable	Restore the factory defaults
W011501	W011500	WFFD998

UPC-A		
*Enable	Disable	Restore the factory defaults
W011401	W011400	WFFD999

Interleaved 2 of 5		
*Enable	Disable	Restore the factory defaults
W011801	W011800	WFFD99A

ITF-6		
Enable	*Disable	Restore the factory defaults

W051901 Enable ITF-6 but do not transmit check digit W051905 Enable ITF-6 and transmit check digit	W011900	WFFD99B

ITF-14

Enable	Disbale	Restore the factory defaults
WA01820 Enable ITF-14 but do not transmit check digit WA018A0 *Enable ITF-14 and transmit check digit	W201800	WFFD99C

Matrix 2 of 5

*Enable	Disable	Restore the factory defaults
W011A01	W011A00	WFFD99F

Industrial 25

*Enable	Disable	Restore the factory defaults
W081908	W081900	WFFD9A0

Standard 25

*Enable	Disable	Restore the factory defaults
W101A10	W101A00	WFFD9A1

Code 39

*Enable	Disable	Restore the factory defaults
W011C01	W011C00	WFFD9A2

Codebar

*Enable	Disable	Restore the factory defaults
W011E01	W011E00	WFFD9A3

Code 93

*Enable	Disable	Restore the factory defaults
W081208	W081200	WFFD9A4

Code 11

*Enable	Disable	Restore the factory defaults
W011D01	W011D00	WFFD9A5

Plessey

*Enable	Disable	Restore the factory defaults
W011F01	W011F00	WFFD9A6

MSI-Plessey

*Enable	Disable	Restore the factory defaults
W081F08	W081F00	WFFD9A7

RSS-14

*Enable	Disable	Restore the factory defaults
W011B01	W011B00	WFFD9A8

RSS-Limited

*Enable	Disable	Restore the factory defaults
W081B08	W081B00	WFFD9A9

RSS-Expand

*Enable	Disable	Restore the factory defaults
W401B40	W401B00	WFFD9AA

2D Symbologies

PDF417

*Enable	Disable	Restore the factory defaults
W010C01	W010C00	WFFD9B0

Data Matrix

*Enable	Disable	Restore the factory defaults
W080C08	W080C00	WFFD9B1

QR Code

*Enable	Disable	Restore the factory defaults
W800D80	W800D00	WFFD9B2

Micro QR

*Enable	Disable	_
W049904	W049900	_

● **LED and buzzer descriptions:**

LED and buzzer descriptions	Meaning of representative
Green light flashing(w/buzzer ringing)	Decode success
Green light flash continuously (scan standby)	Low battery alarm
Red light solid	In charge
Red light goes out (When charging)	Charging is complete
Green light flashes continuously	Scanning built-in battery anomaly
Blue light flashing	Enter the Bluetooth pairing mode
Blue light goes out (In bluetooth pairing mode)	Bluetooth link successful

FCC Caution：

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.

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

Note: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.