# FS02 user manual

- **HID mode for IOS**

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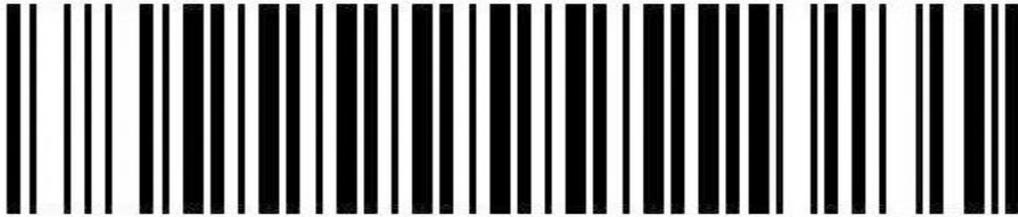

Bluetooth HID Mode

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.
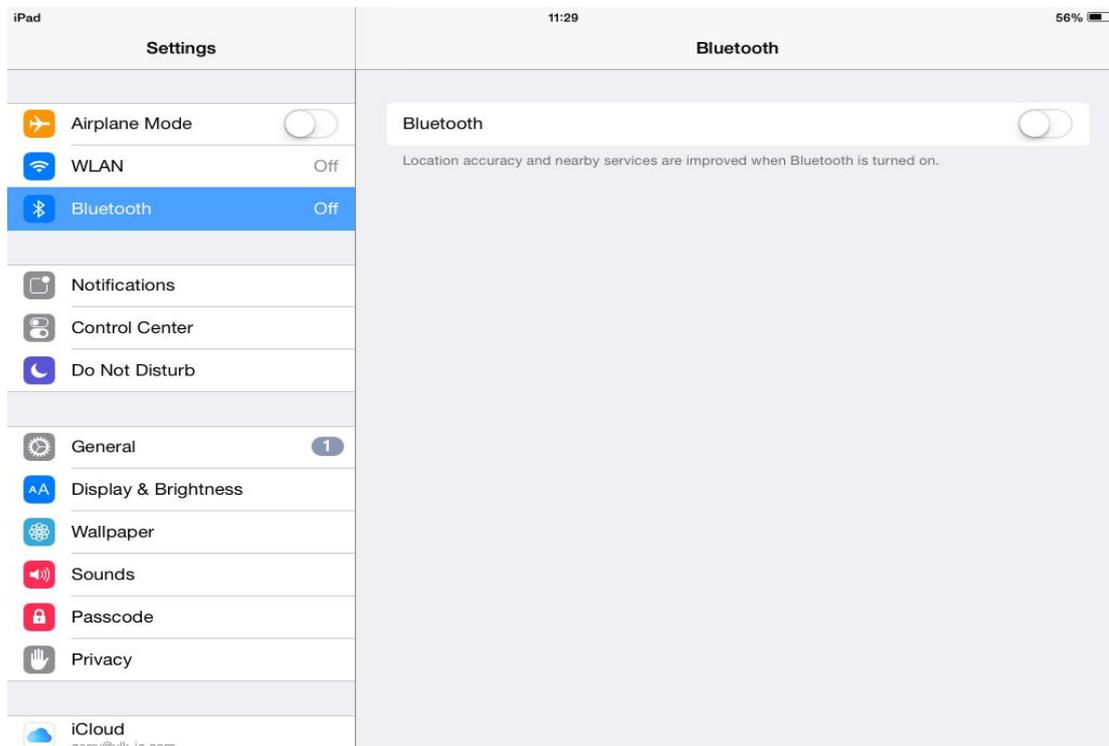
（2）Enable bluetooth, and the ipad will search automatically. After the searching is finished, click the scanner's name to connect.
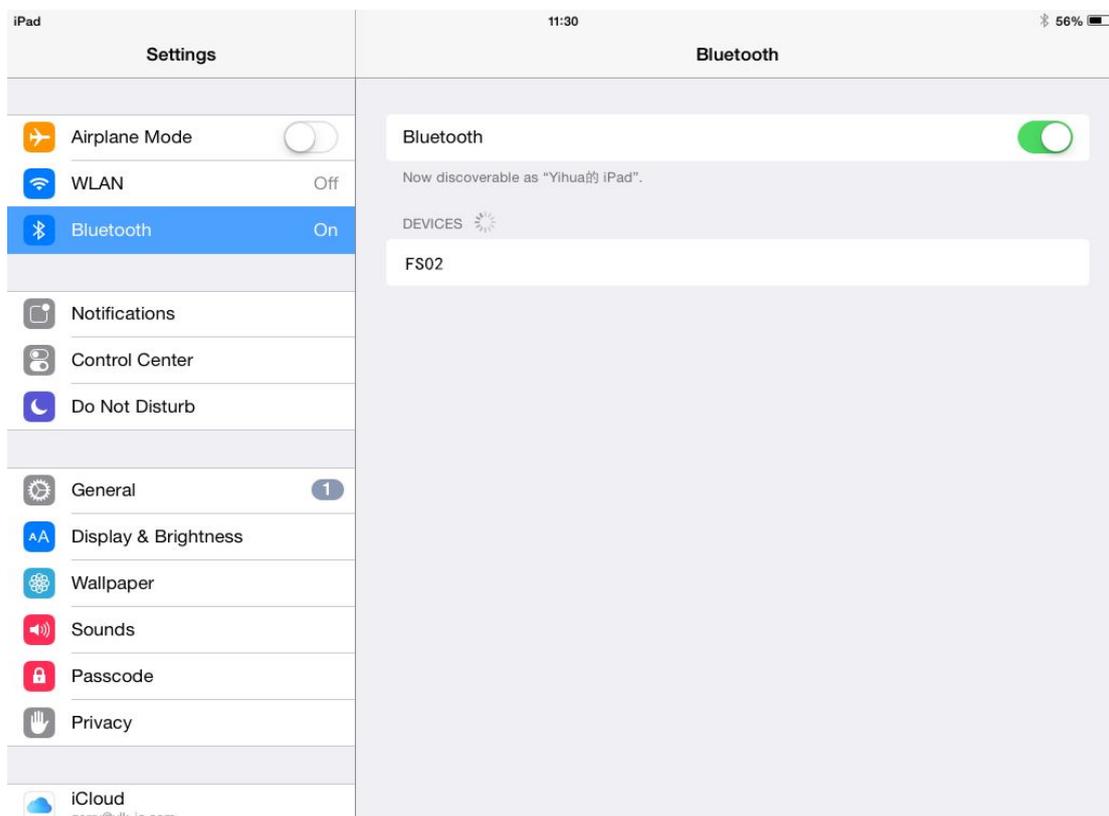
（3）After the connection is successful, the blue LED on the scanner will be off. Then you can use it with Notes/office files or other cursor blinking position.
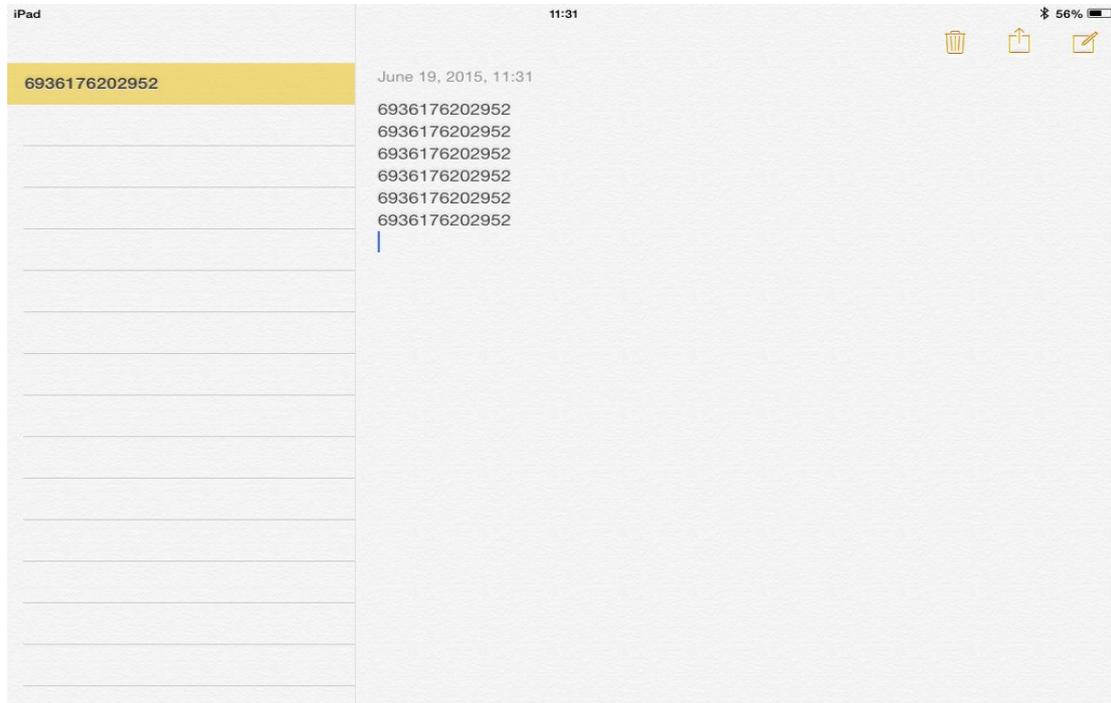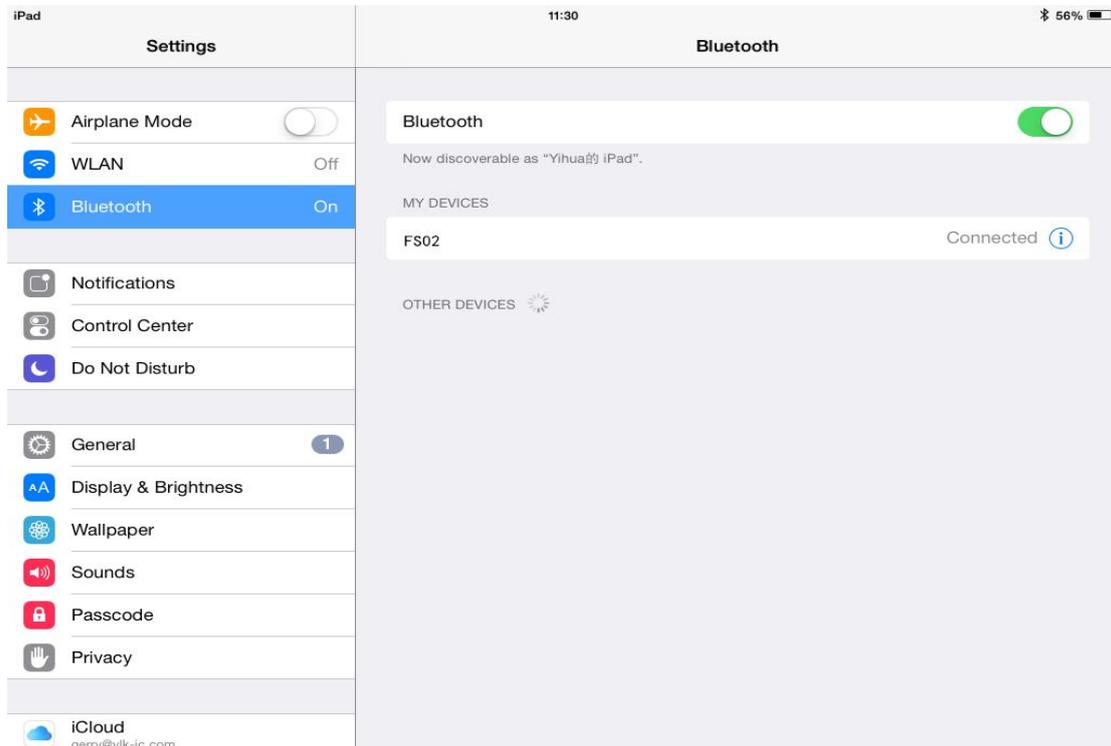
Note: In android system, If the soft keyboard can not display, you need to switch the hardware physical keyboard to OFF status. In IOS system, you can also click trigger button for four times to hide and display soft keyboard for IOS.

● **HID mode for Windows**

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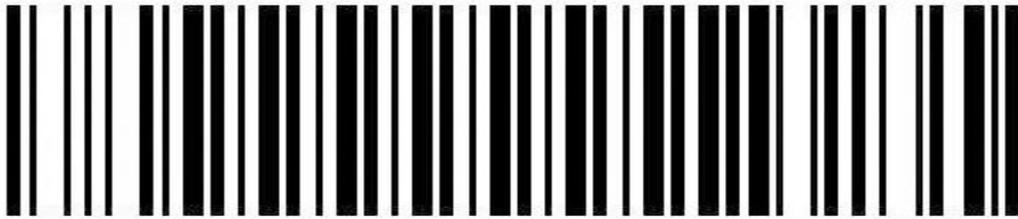
Bluetooth HID Mode

BlueTooth pairing mode
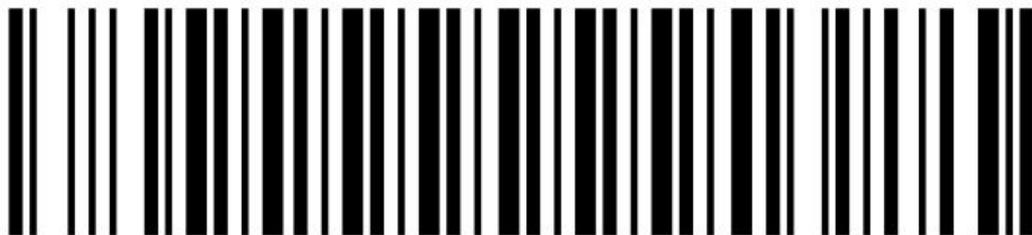
Bluetooth output

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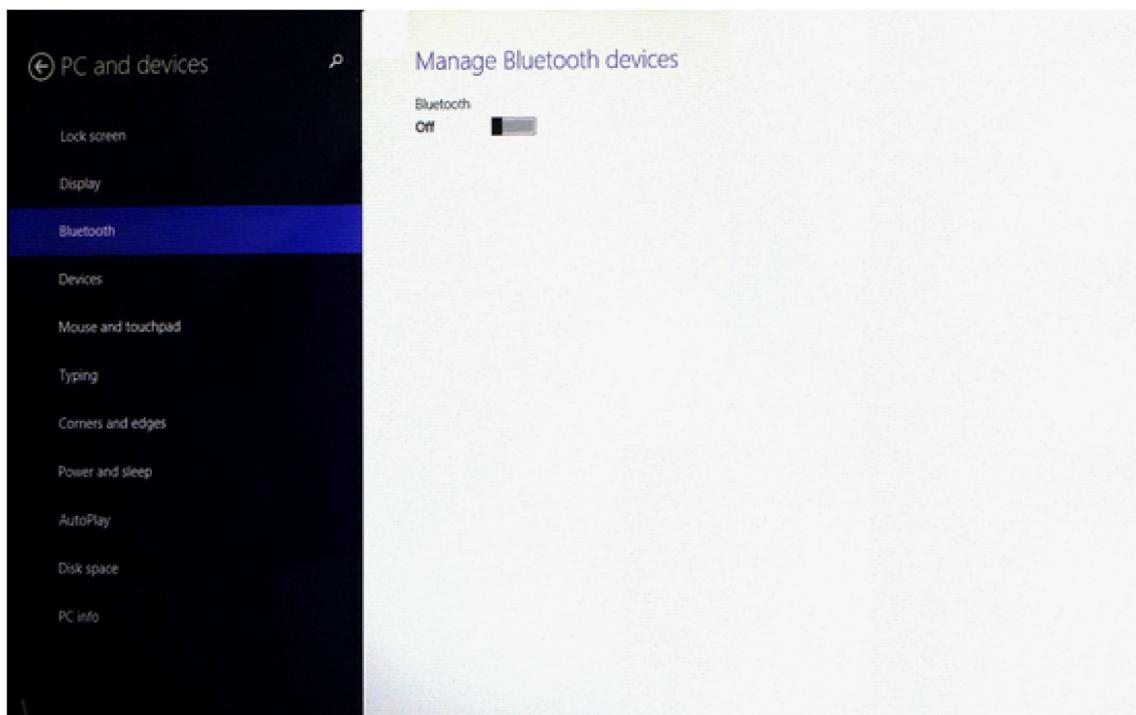
(2) Enable the bluetooth, and the Windows device will search automatically. After the searching is finished, click the scanner's name to connect.

（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.
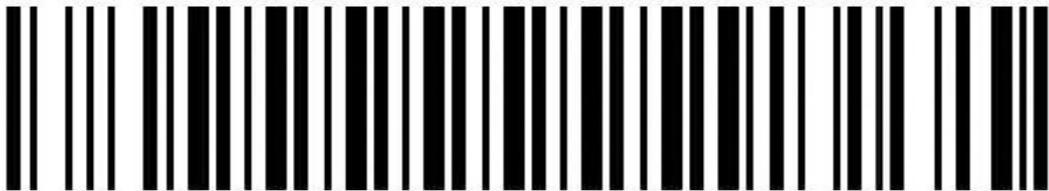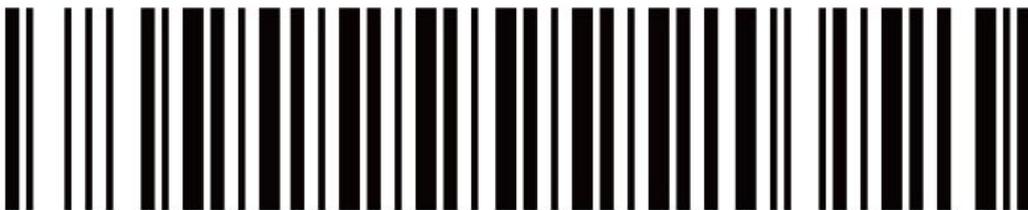

Bluetooth SPP Mode

BlueTooth pairing mode
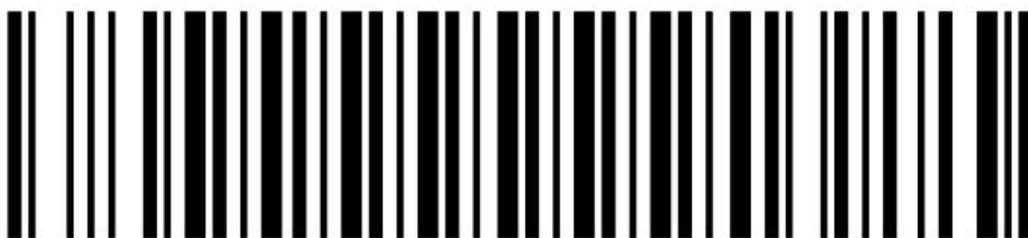
Bluetooth output

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".
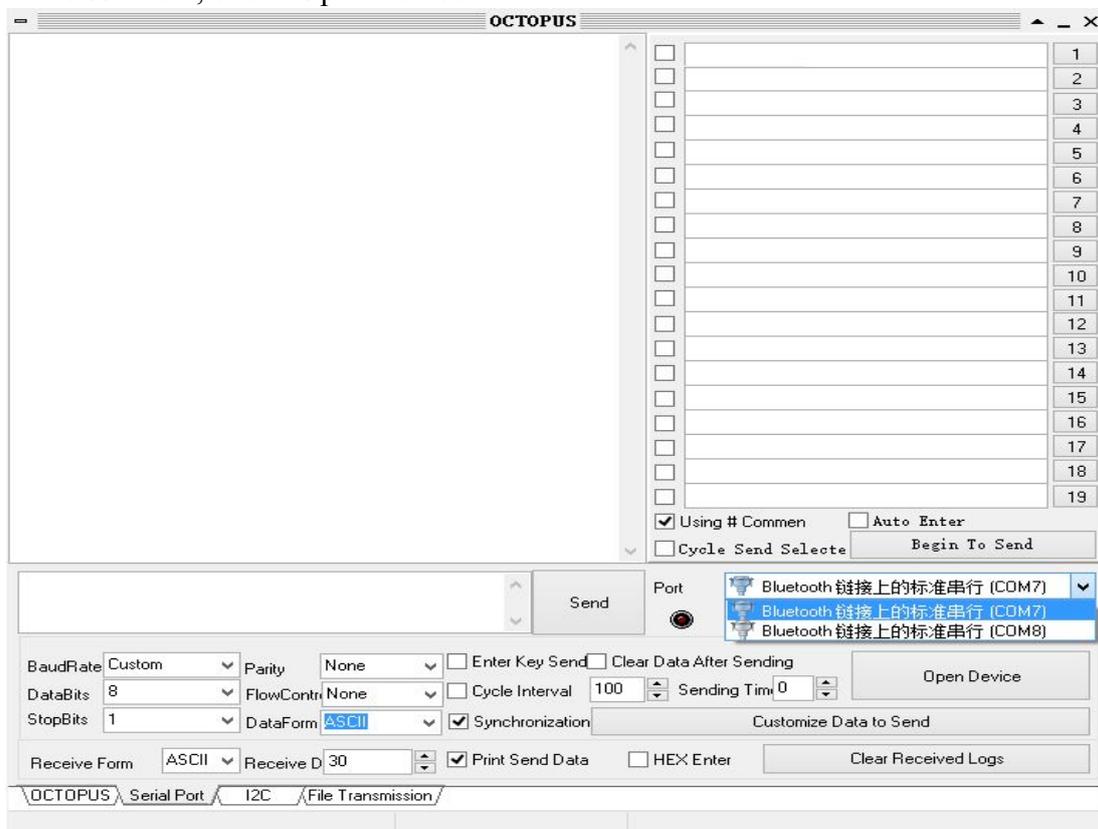
(2) Now the blue LED on the scanner will be off.
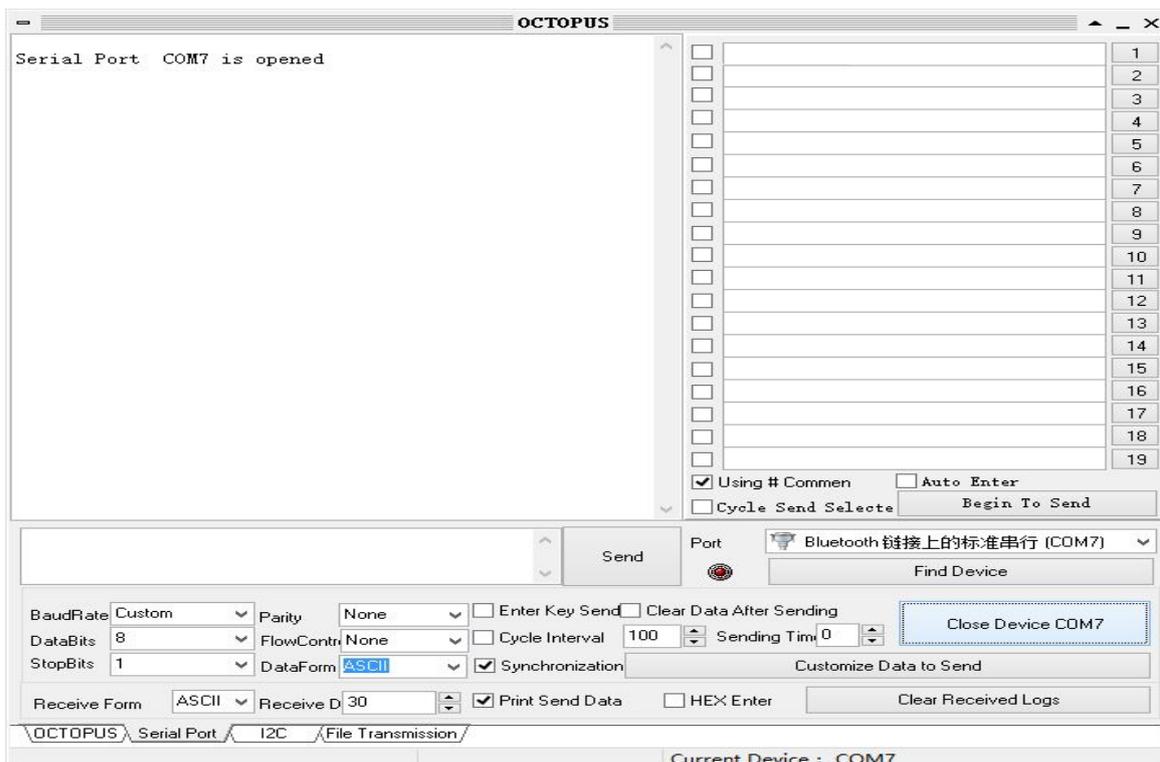
(3) After the connection is successful, you can scan barcode data into the dialog box .
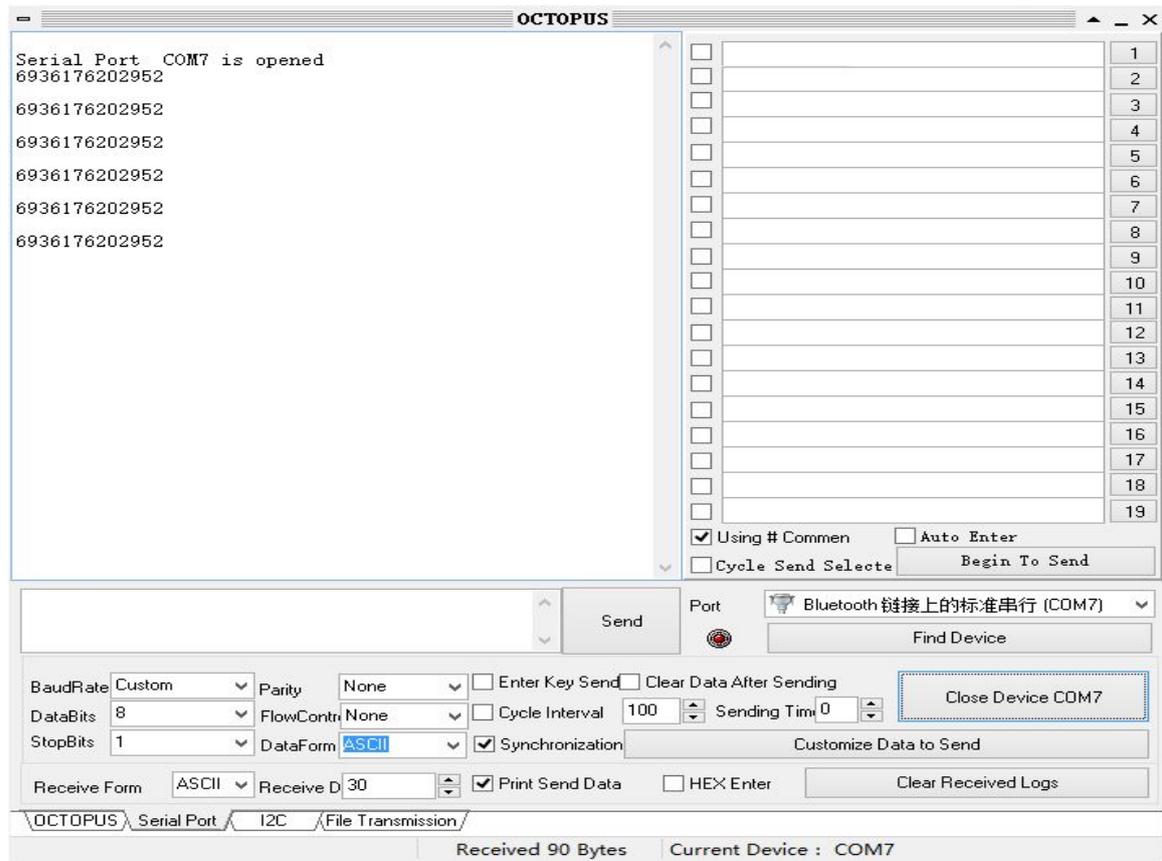
● **HID mode for Android**

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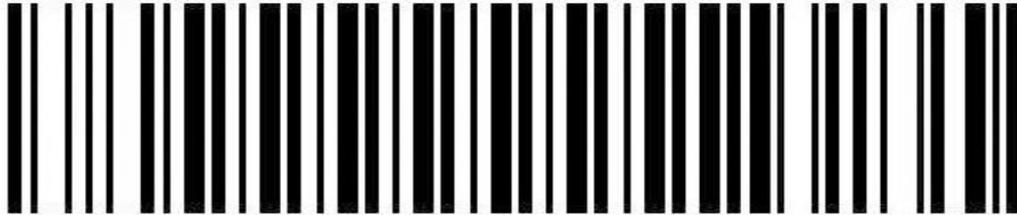
Bluetooth HID Mode

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.

Bluetooth Barcode Reader **HID Mode for Android**

(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
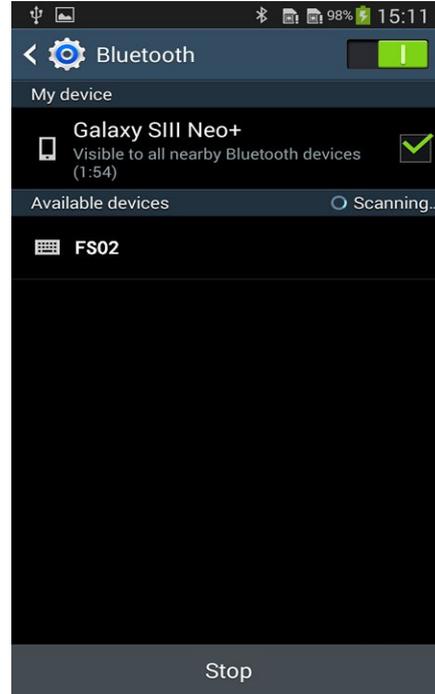
The 2nd

(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.
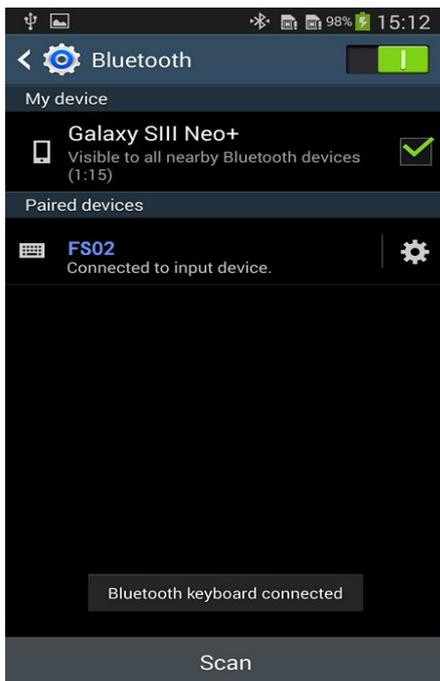
The 3rd
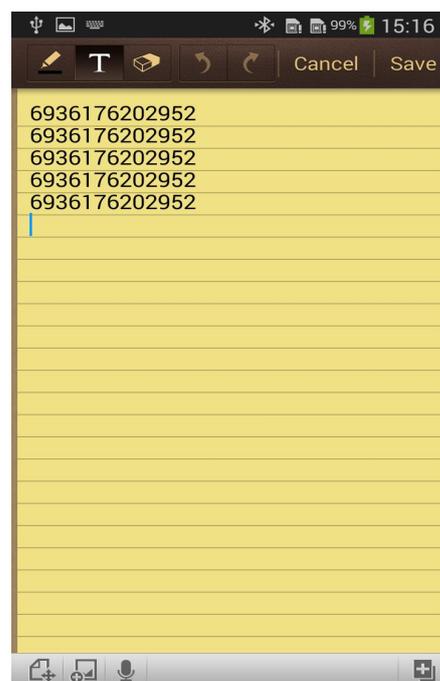
The 4th

● **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
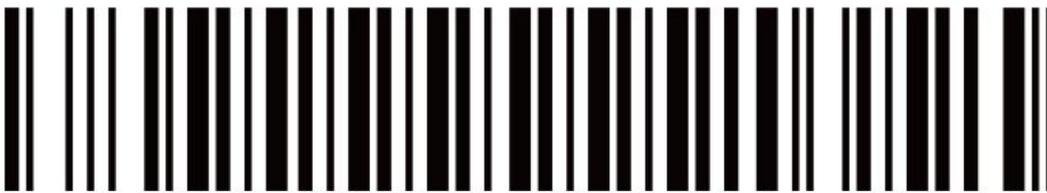
BlueTooth pairing mode
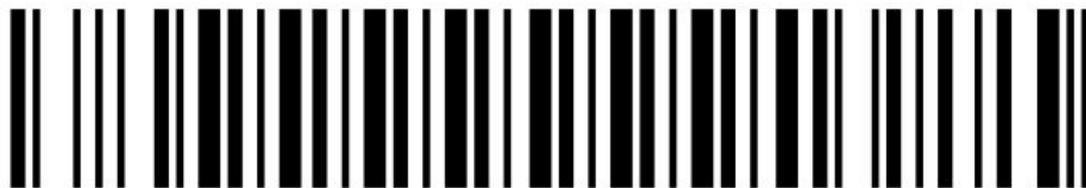
Bluetooth output

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:
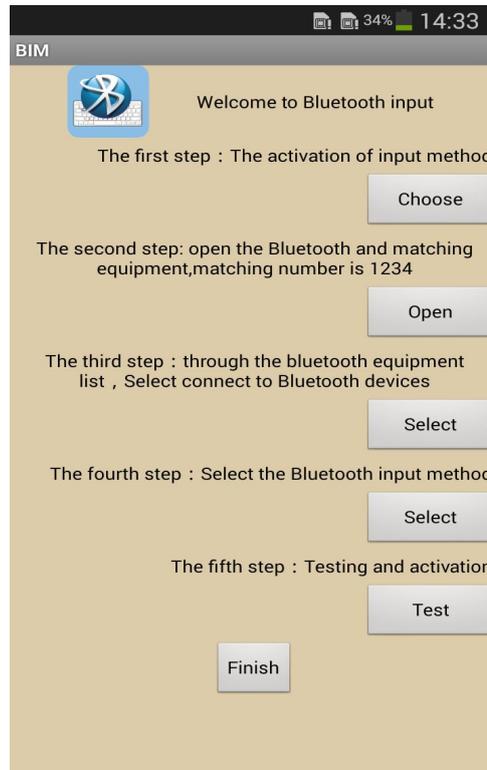
(2) The first step: Active the Bluetooth Input Method. Click the "choose" and then appear the interface shown in picture "The 5th ". Please select the "BIM" as shown in following image. Then return and complete the choice.
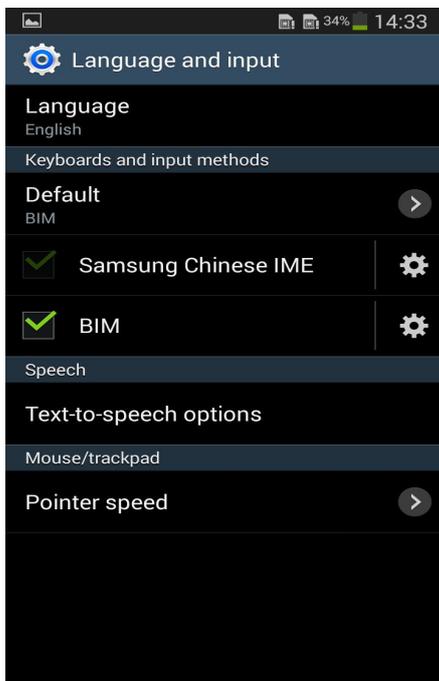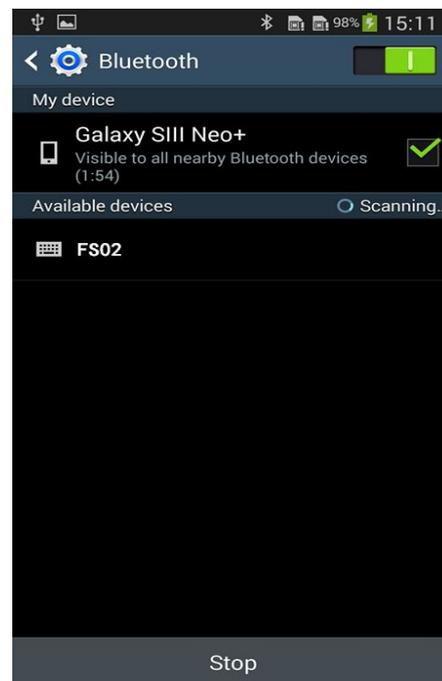
The 5th   The 6th

(3)The second step: In the Bluetooth setting interface, enable bluetooth, and click "Scan" button, smartphone will find " FS01" (make sure the barcode scanner are working in SPP mode before pairing the bluetooth), shown as "The 6th" picture. Click the scanner name, the system will require you input PIN number, the PIN number is 1234, and then click "OK". Shown as "The 7th" picture.
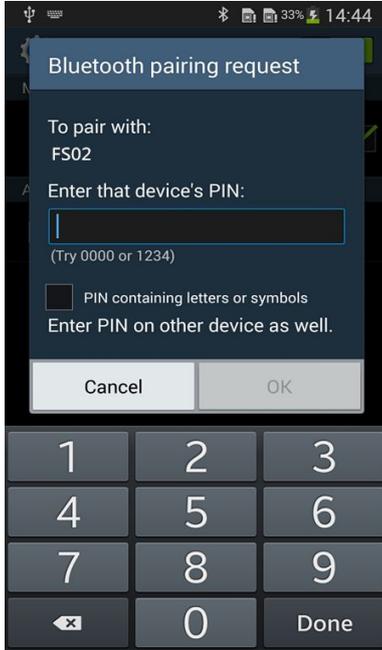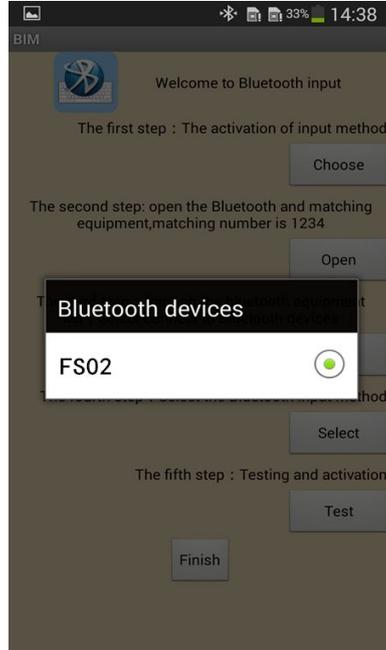
The 7th	The 8th

(4)The third step: Return bluetooth keyboard wizard interface, select the paired scanner as IME input source, shown in " The 8th" picture.

(5) The forth step: Choose "BIM" as default input method, shown in "The 9th" picture.

The 9th	The 10th

14
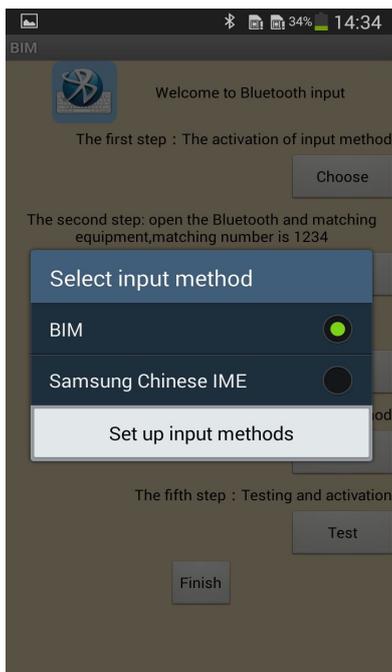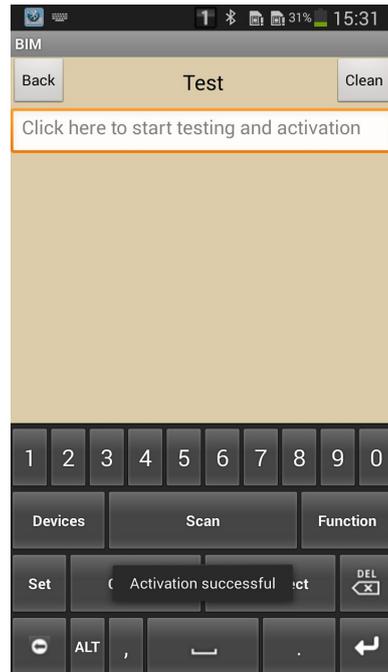
(6) Click the "test" interface, BIM will communicate with scanner and connect with the scanner automatically. If the connection is successful, "Activation successful" will display on the soft keyboard, shown in "The 10th" picture. If smartphone can not connect scanner automatically, please manual connect scanner with pressing keyboard "Connect" (some times need to click "Disconnect" first, then, click "Connect").

(7) After the connection is finished(the blue LED on the scanner will be off), and then, you can scan barcode into note pad or other cursor blinking position, shown in "The 11th" picture. For same barcode reader and Android device, for the next using, you don't need to pair them again, just press keyboard "Connect" button, they will finish the connection automatically, sometimes you need to press "Disconnect" first, then click "Connect", shown in "The 12th" picture.
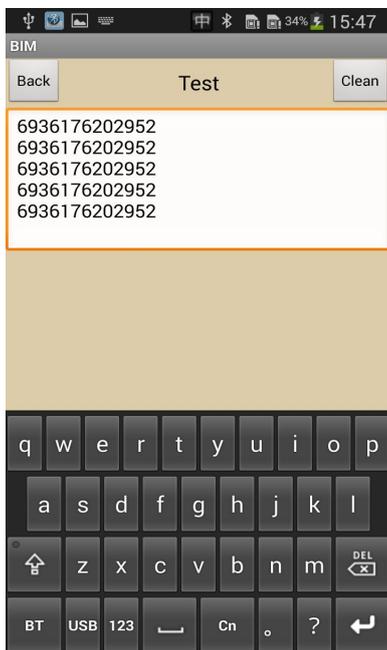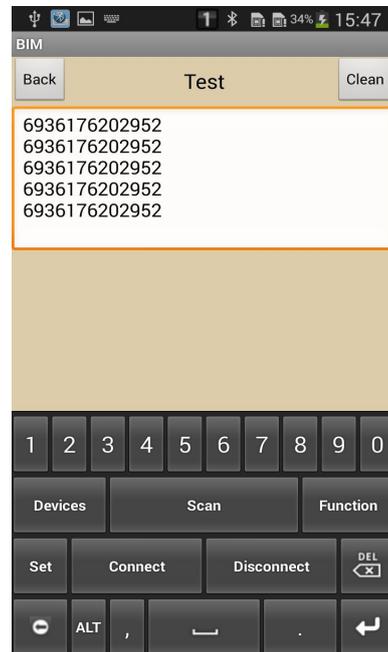
The 11th   The 12th

(8) You can configure the barcode reader by click the "Function" key in the picture "The 8th", shown as "The 13th" and "The 14th" picture.

Click "Scanner Setting", you can set bluetooth name/prefix Character/suffix character/volume/output model and sleep time of the barcode reader, please check "The 10th" picture.
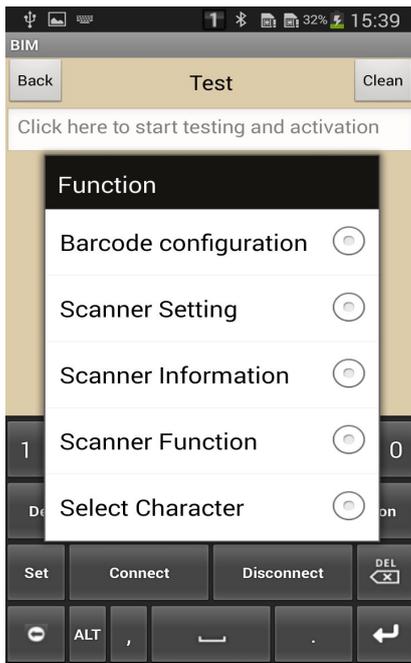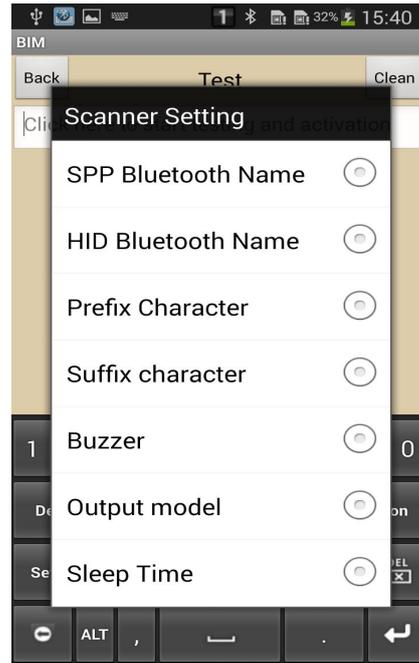
The 13th	The 14th

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 barcode:

USB output

This barcode scanner has five languages for your selection, and used in USB output mode. You need to swich 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" barcode as shown below to enter the offline scanning. The data you scanned will be stored in the scanning device.

Start Offline State

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.
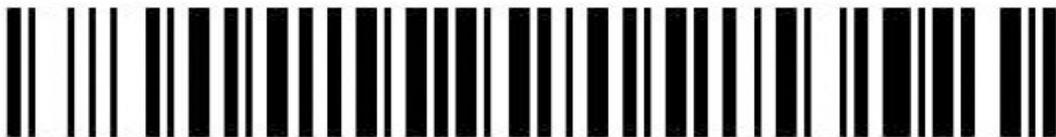
Clear the storage

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