FSC-DB004 DISCOVERY LITE User Guide

Version: V1.2
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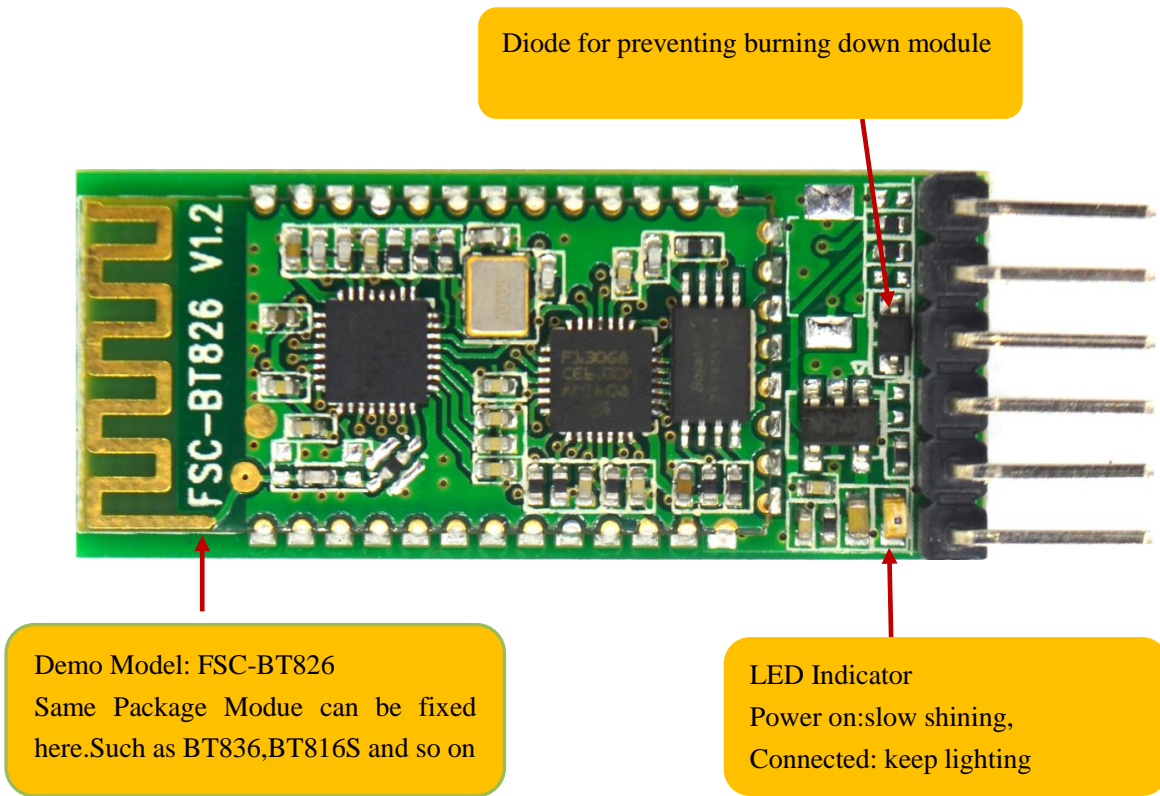**Shenzhen Feasycom Technology Co.,LTD**

Contact: Onen Ouyang   Email: onen.ouyang@feasycom.com
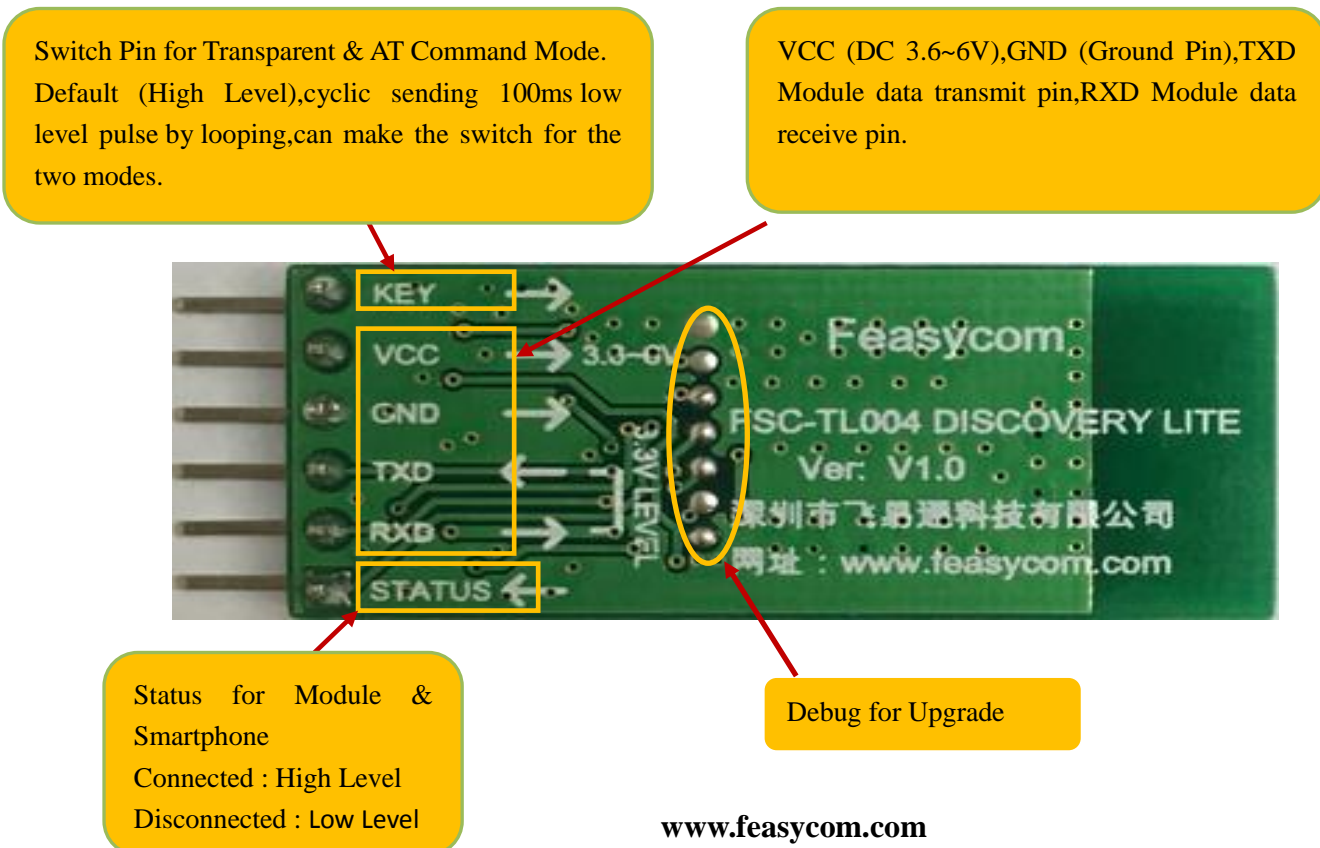Contact: Rimly Rong   Email: rimly.rong@feasycom.com

Address: Room 2004,20th Floor,Huichao Technology Building,Jinhai Road,
Xixiang ,Baoan District,Shenzhen,518100,China.
Tel: 86-755-27924639

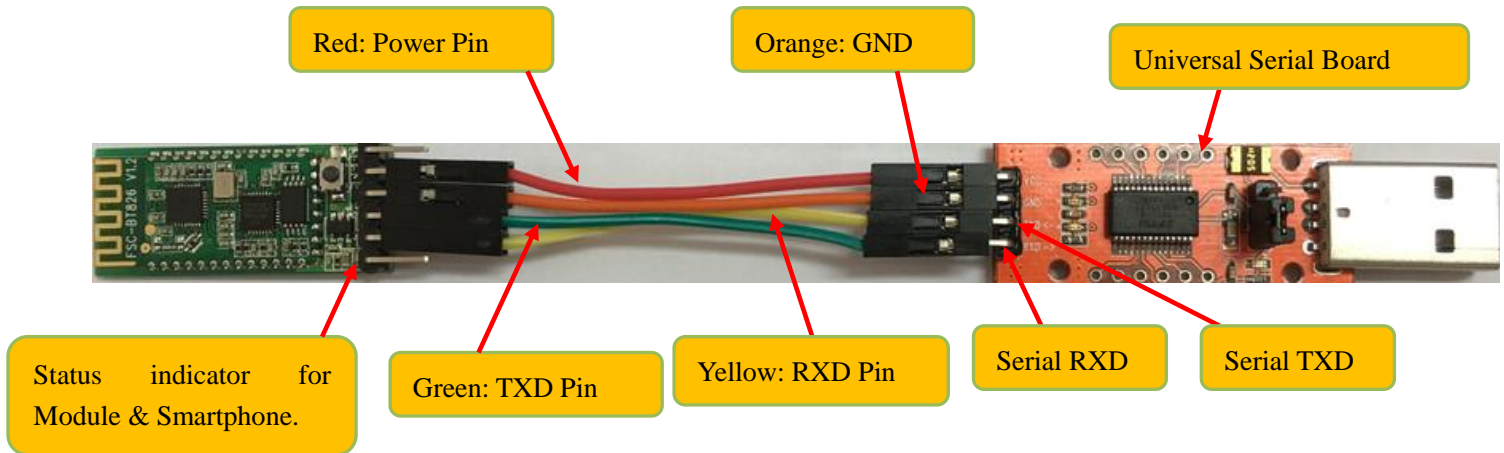# FSC-DB004   DISCOVERY LITE Front Image

Diode for preventing burning down module

Demo Model: FSC-BT826
Same Package Modue can be fixed
here.Such as BT836,BT816S and so on

LED Indicator
Power on:slow shining,
Connected: keep lighting

FSC-DB004 DISCOVERY LITE Back Image

Switch Pin for Transparent & AT Command Mode.
Default (High Level),cyclic sending 100ms low
level pulse by looping,can make the switch for the
two modes.

VCC (DC 3.6~6V),GND (Ground Pin),TXD
Module data transmit pin,RXD Module data
receive pin.

Status for Module &
Smartphone
Connected : High Level
Disconnected : Low Level

Debug for Upgrade

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P1.Hardware Environment Establishment

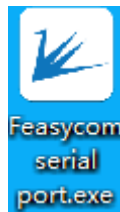1.Module & Upper Monitor Connecting Sketch **(Using Serial Board for Demo)**

Red: Power Pin

Orange: GND

Universal Serial Board

Status indicator for Module & Smartphone.

Green: TXD Pin

Yellow: RXD Pin

Serial RXD

Serial TXD

2. APP Download (Android & iOS)

1) Android APP BTComm ,please download from our www.feasycom.com or contact the sales man.
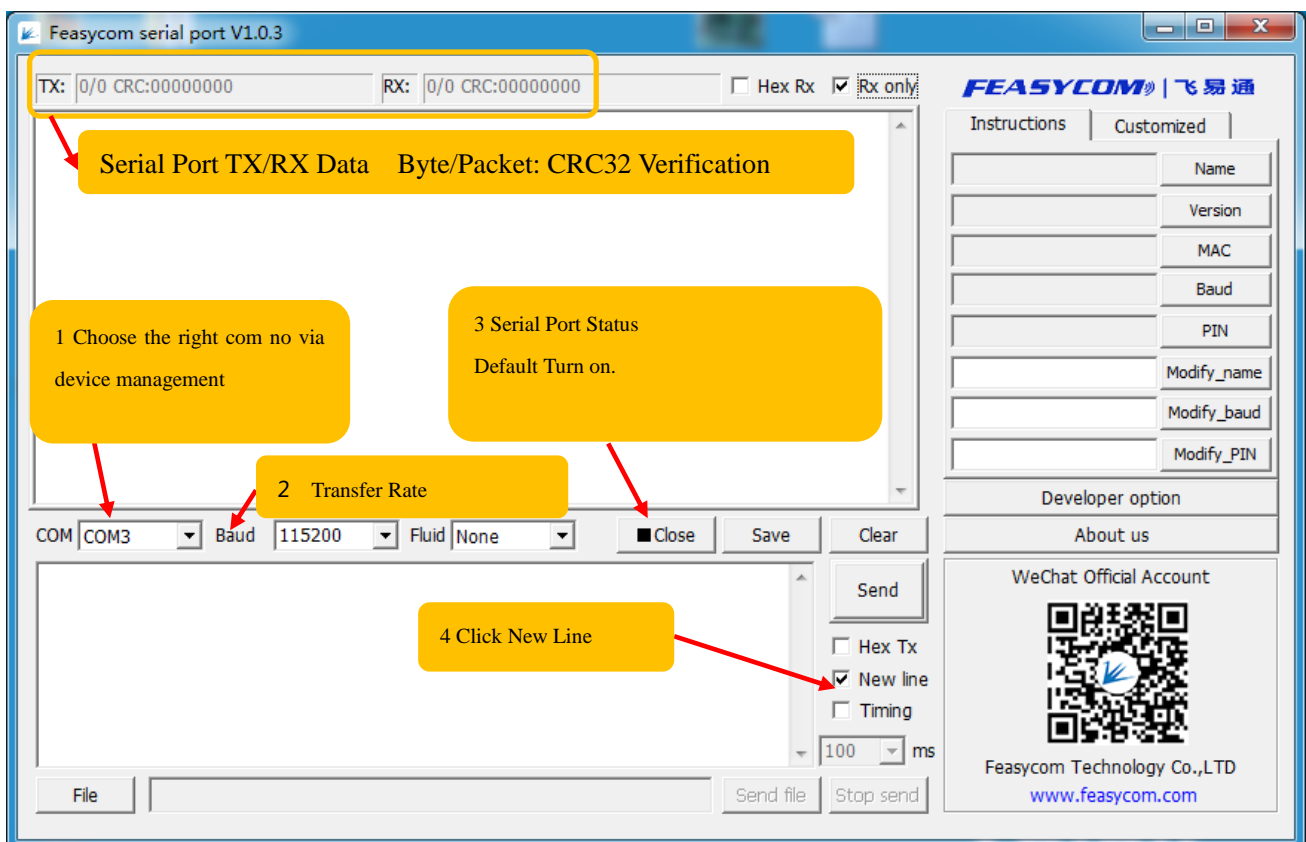
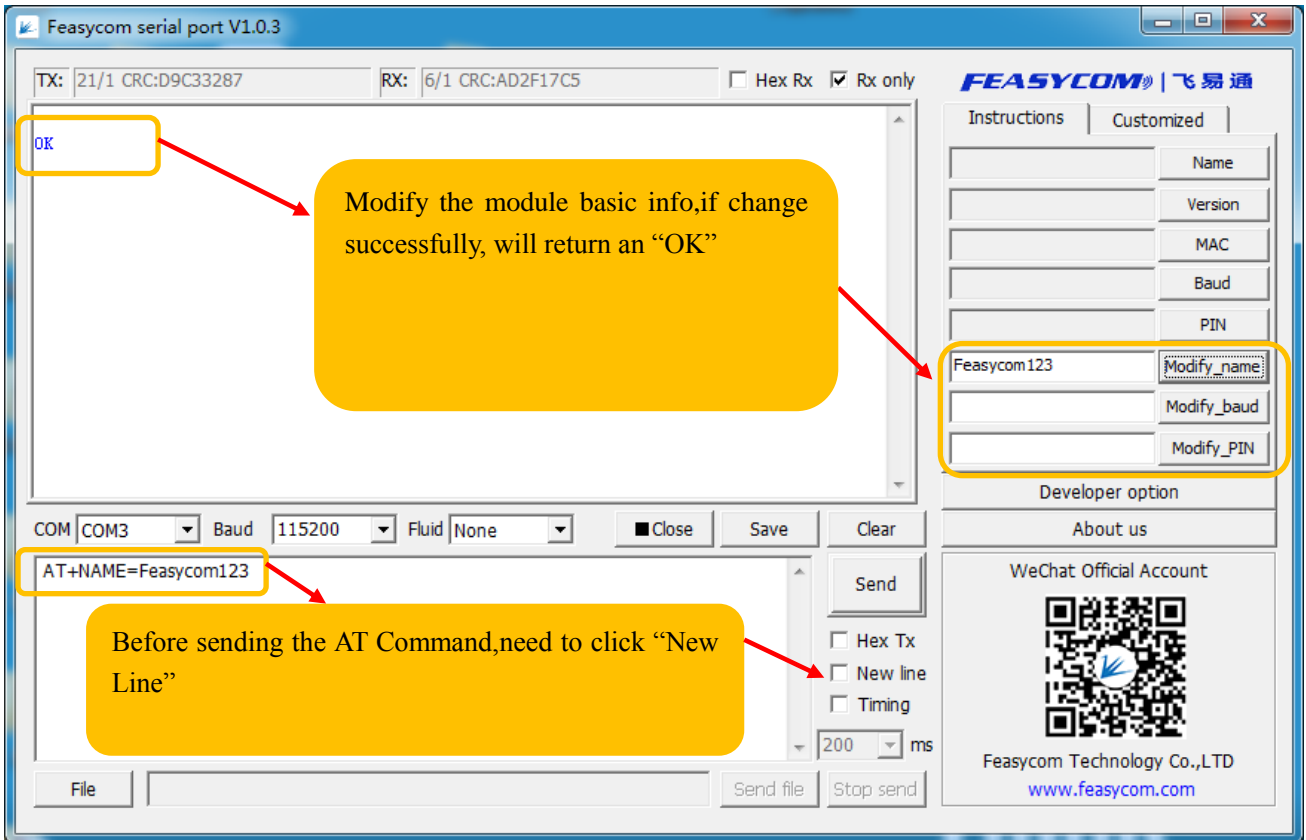2) iOS APP BLE Assistant ,download from appstore or contact the sales man.
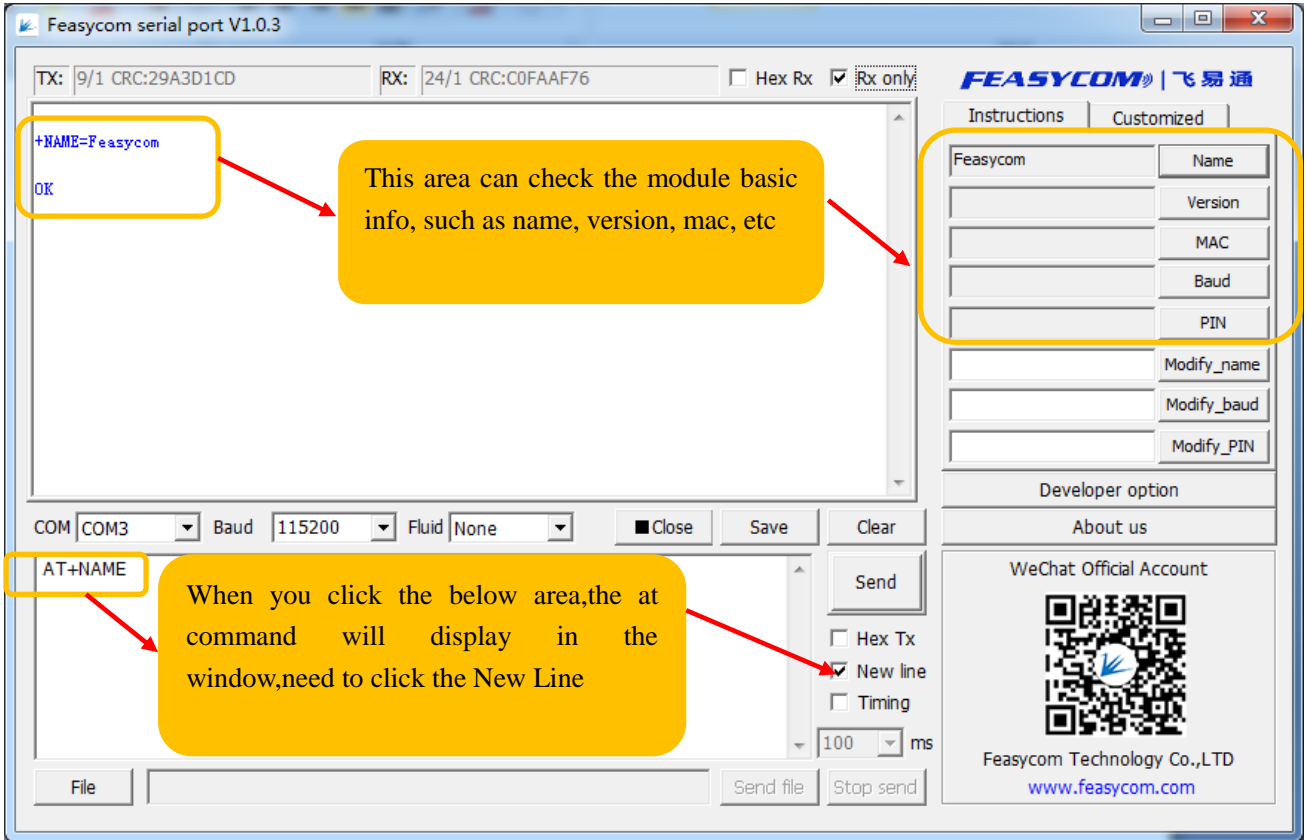
P2. **Using steps:**

1. Serial board connect to the PC's USB Port,the module under the searchable and connectable status,LED Indicator light is slow shinning as the below picture showing.
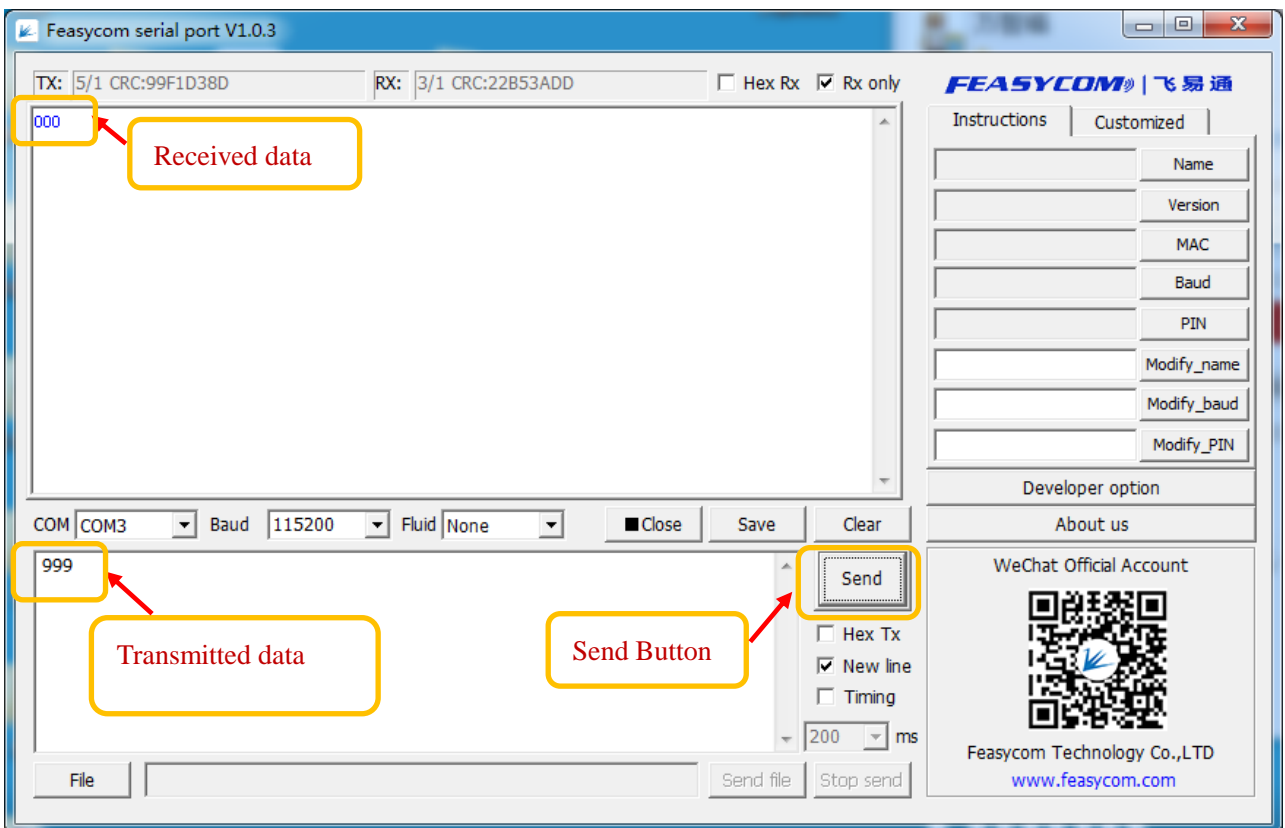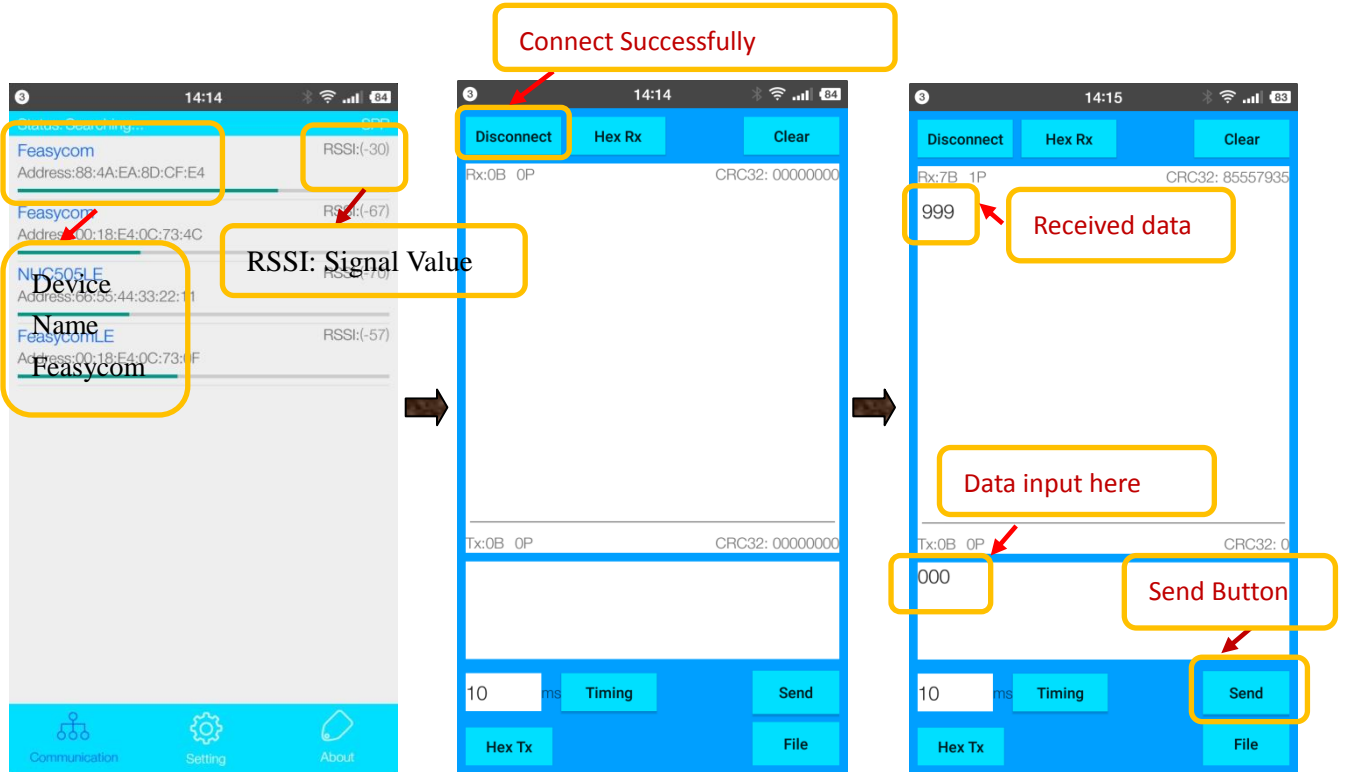

2.Open Feasycom serial port tool ,setting as below.

First screenshot

Feasycom serial port V1.0.3

TX: 9/1 CRC:29A3D1CD   RX: 24/1 CRC:C0FAAF76   ☐ Hex Rx ☑ Rx only

FEASYCOM))|飞易通

Instructions | Customized

+NAME=Feasycom

OK

This area can check the module basic info, such as name, version, mac, etc

Feasycom	Name
	Version
	MAC
	Baud
	PIN
	Modify_name
	Modify_baud
	Modify_PIN

Developer option

About us

COM COM3 Baud 115200 Fluid None ■Close Save Clear

AT+NAME

When you click the below area,the at command will display in the window,need to click the New Line

Send
☐ Hex Tx
☑ New line
☐ Timing
100 ms

File | Send file Stop send

WeChat Official Account

Feasycom Technology Co.,LTD
www.feasycom.com

Second screenshot

Feasycom serial port V1.0.3

TX: 21/1 CRC:D9C33287   RX: 6/1 CRC:AD2F17C5   ☐ Hex Rx ☑ Rx only

FEASYCOM))|飞易通

Instructions | Customized

OK

Modify the module basic info,if change successfully, will return an "OK"

	Name
	Version
	MAC
	Baud
	PIN
Feasycom123	Modify_name
	Modify_baud
	Modify_PIN

Developer option

About us

COM COM3 Baud 115200 Fluid None ■Close Save Clear

AT+NAME=Feasycom123

Before sending the AT Command,need to click "New Line"

Send
☐ Hex Tx
☐ New line
☐ Timing
200 ms

File | Send file Stop send

WeChat Official Account

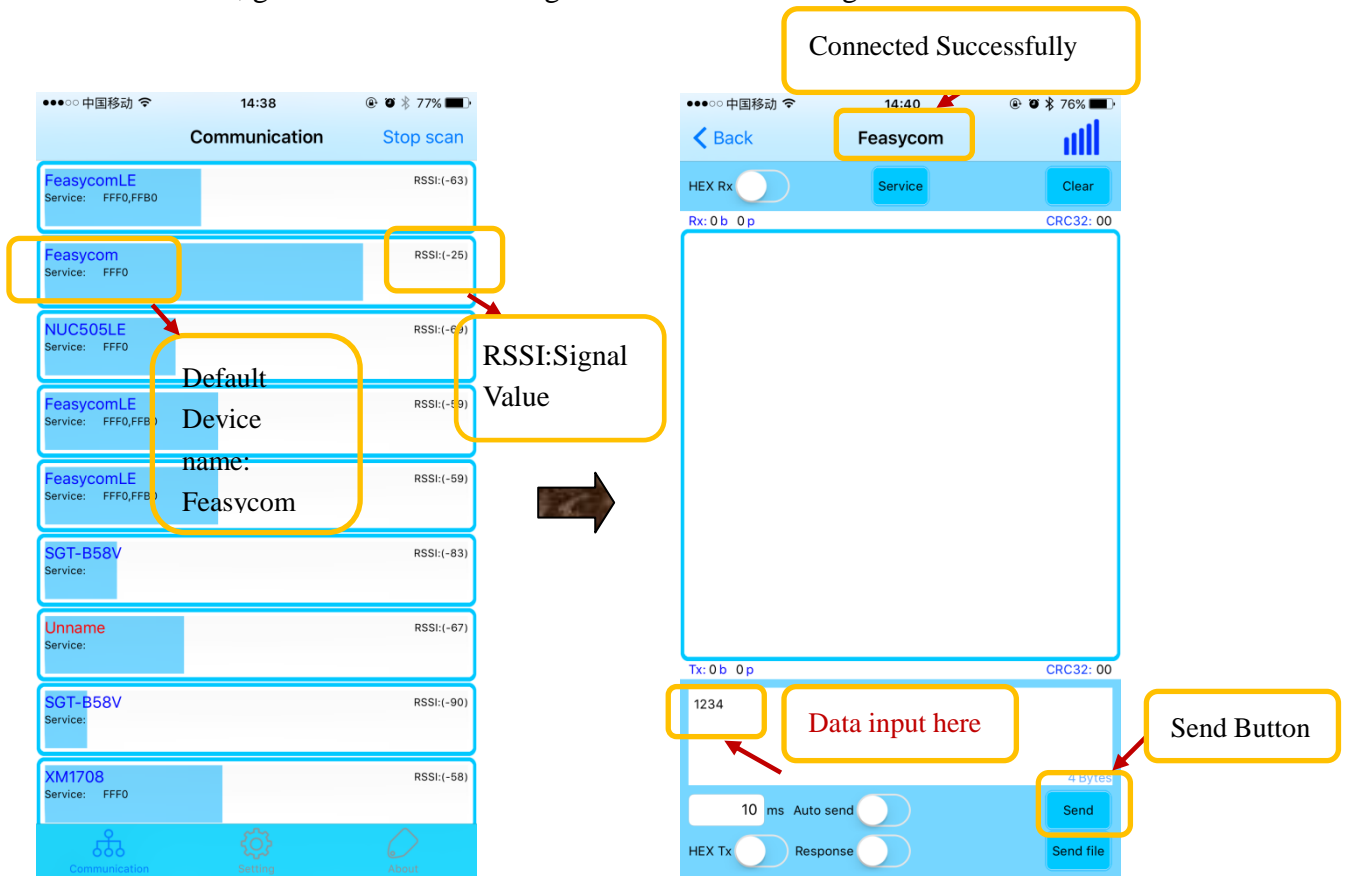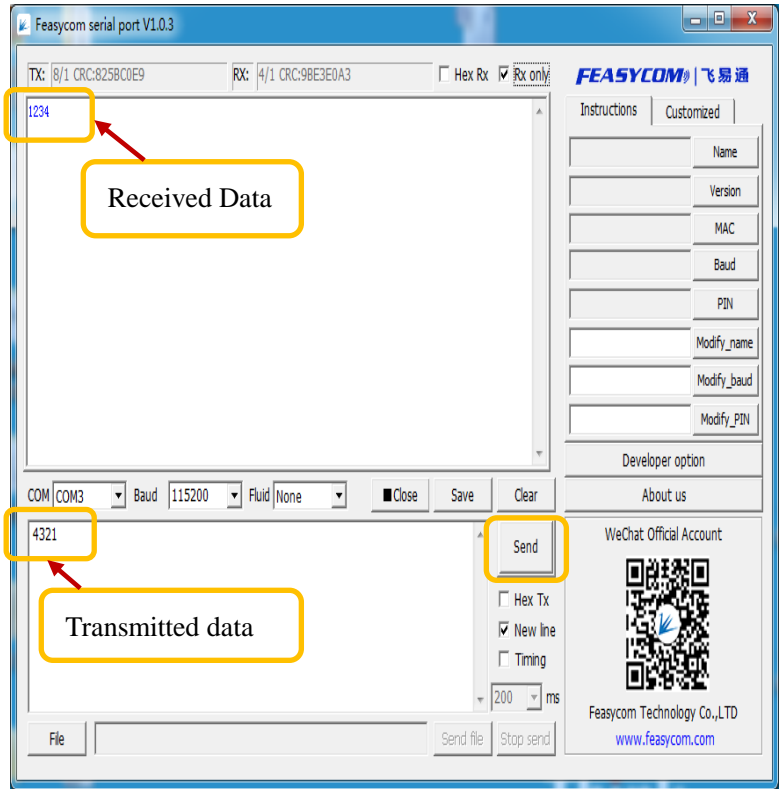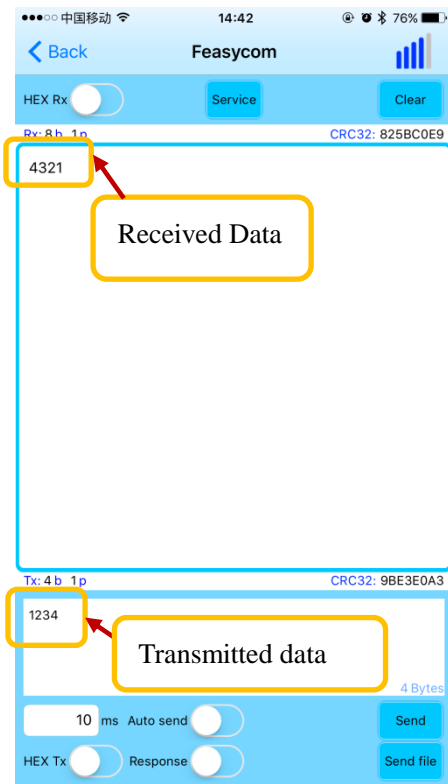Feasycom Technology Co.,LTD
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3 Smart Phone APP connect to the module,please follow the below steps (Turn on Bluetooth of Smart phone)

1>Android System ： Open BTComm APP ， search the target Bluetooth device,click auto-connect,glide the interface can get the newest searching devices.

2> IOS System：Open BLE Assistant APP, search the target Bluetooth device,click auto-connect, glide the interface can get the newest searching devices.
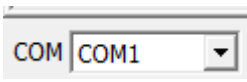

Connected Successfully

Default Device name: Feasycom

RSSI:Signal Value

Data input here

Send Button

P3　FAQ

Q1：Power On Module, RX Command ,no feedback　：

1.　Check the indicator Light : Flash or not

2. Make sure the COM NO : Correct or not

a)　Baud Rate Parameter:115200

b)　Serial Port Close or Open

c)　COM NO, whether is same as the device management of computer displaying

d) RXD Pin connect to Module TXD Pin,TXD Pin connect to Module RXD Pin.

e)　,whether click this button.

Q2   Check the module whether under connection status

Remarks: If the module already connected to the smart phone,the module received AT command information will be sent to the smart phone as the common data information,will not execute the AT Command.

Q3 If already follow the steps as above showing ,still can not identify the AT Command,better to make the module connect the smart phone APP,using the APP to send "12345" to the module,using the OSC to monitor the TXD of the module,whether there coming out the wave shape. Send the data to the module, using the OSC to monitor the RXD of the module, whether there coming out the wave shape,meanwhile,check the smartphone get the data or not.

Q4 Android Smart Phone why can not use the BLE:

1.Some old android smart phone not support BLE(We suggest to use our Bluetooth dual mode module)