



FeasyBlue and FeasycomSerial- Port User Guide

Table of contents

1	Overview	2
2	Grant Necessary Permissions	3
3	Quickly search devices	4
4	Get UUID	5
5	OTA AT Commands	6
5.1	Parameter modification	6
5.2	Read configuration parameter	8
6	OTA Upgrade	10
6.1	Via DFU name, get the firmware and OTA	10
6.2	Load local firmware file and OTA	11
7	Read firmware version	14
7.1	Via air AT commands	14
7.2	Via configure information for BLE	16
8	Feasycom Serial Port Tool	17
8.1	Function	17
8.2	Serial driver and COMx	17
8.3	Necessary configuration	18
8.4	Send AT command	19
8.5	Data transmission communication	19
8.5.1	TX and Rx	19
9	FAQs	20
9.1	OTA upgrade	20
10	Appendix	21

10.1 Download PDF	21
-----------------------------	----

Shenzhen Feasycom Co., Ltd.

[中文版]

Version	Date	Author
3.0	2025-09-09	Oran

Shenzhen Feasycom Co., Ltd.

Chapter 1

Overview

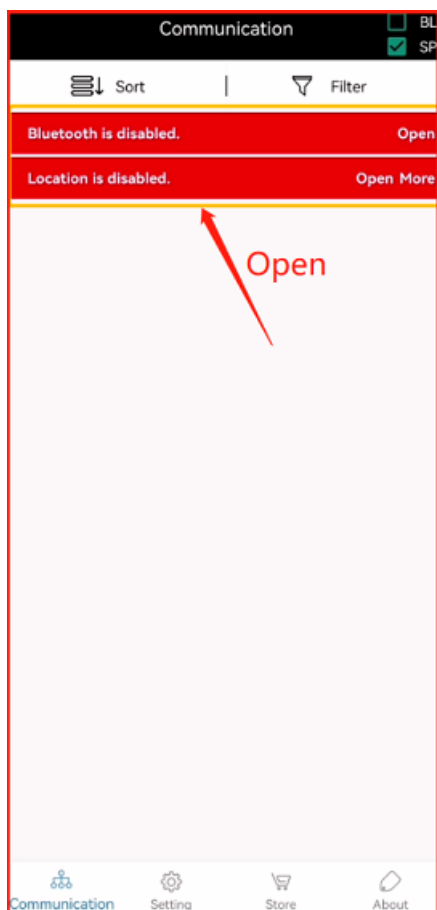
This document describes how to quickly use FeasyBlue App and Feasycom Serial Port Assistant. Supports SPP & BLE communication with the module via Bluetooth, which can scan, connect, send and receive data, read/write module parameters, OTA upgrade, OTA AT commands, read firmware version and other functions.

Shenzhen Feasycom Co., Ltd.

Chapter 2

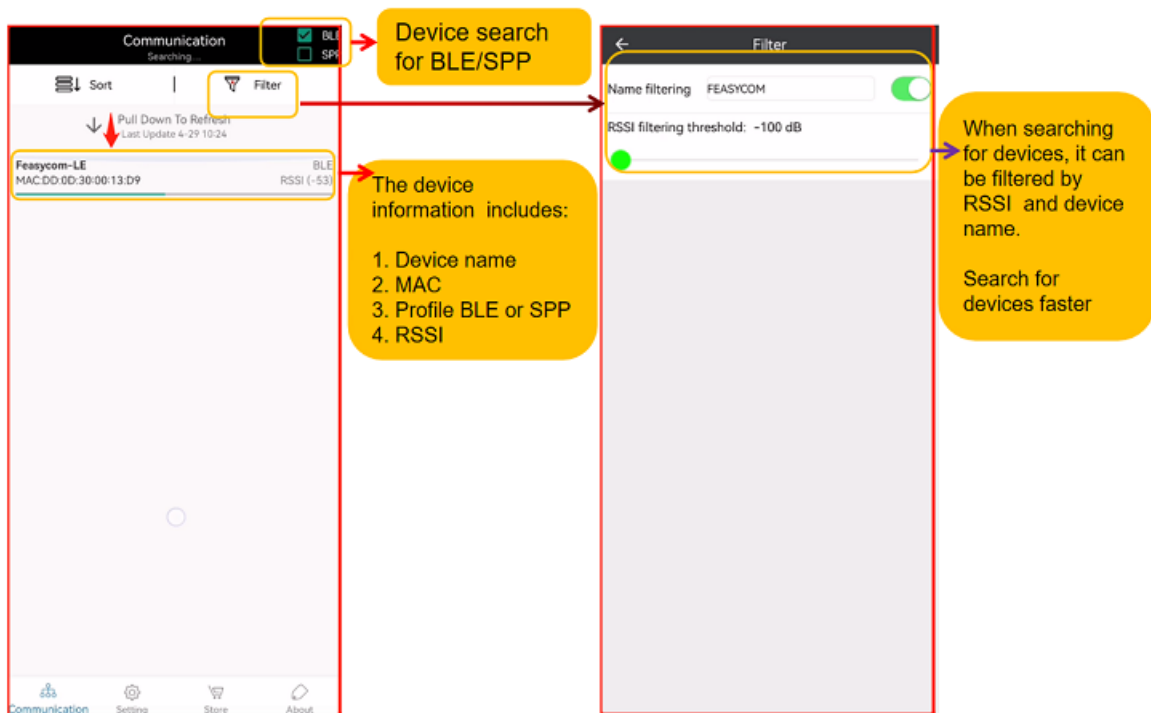
Grant Necessary Permissions

The phone needs to turn on **Bluetooth & Location** , otherwise FeasyBlue will not be able to scan nearby Bluetooth devices. Take Android as an example:



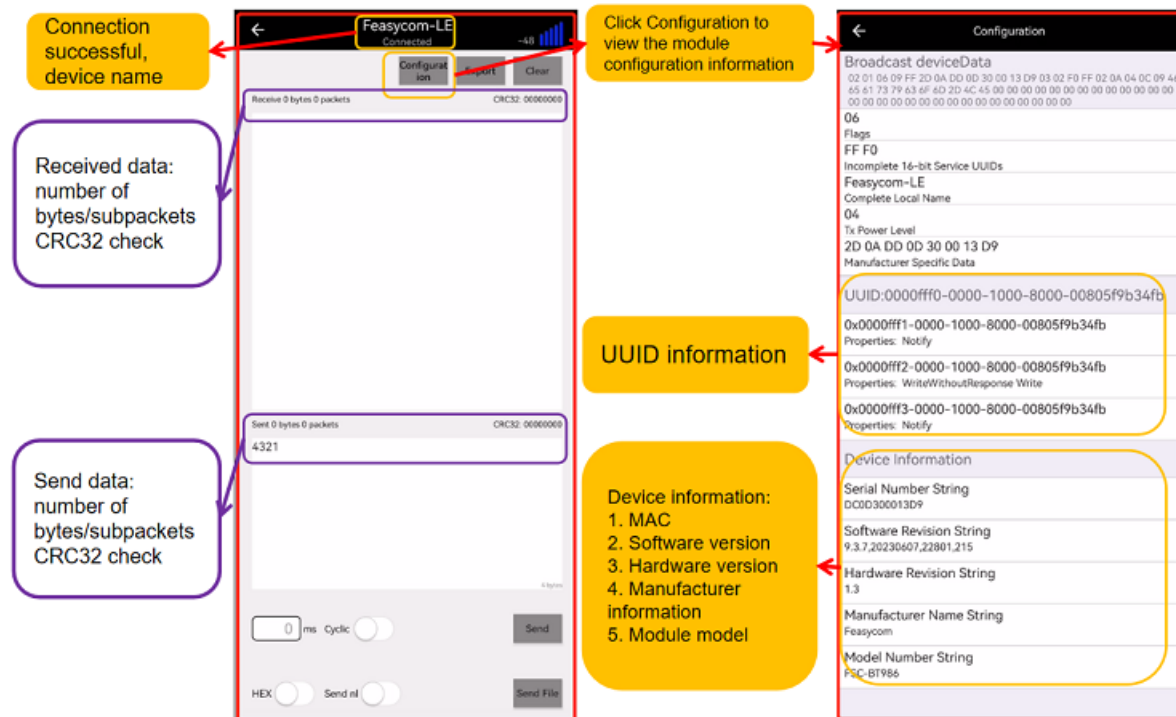
Chapter 3

Quickly search devices



Chapter 4

Get UUID



Chapter 5

OTA AT Commands

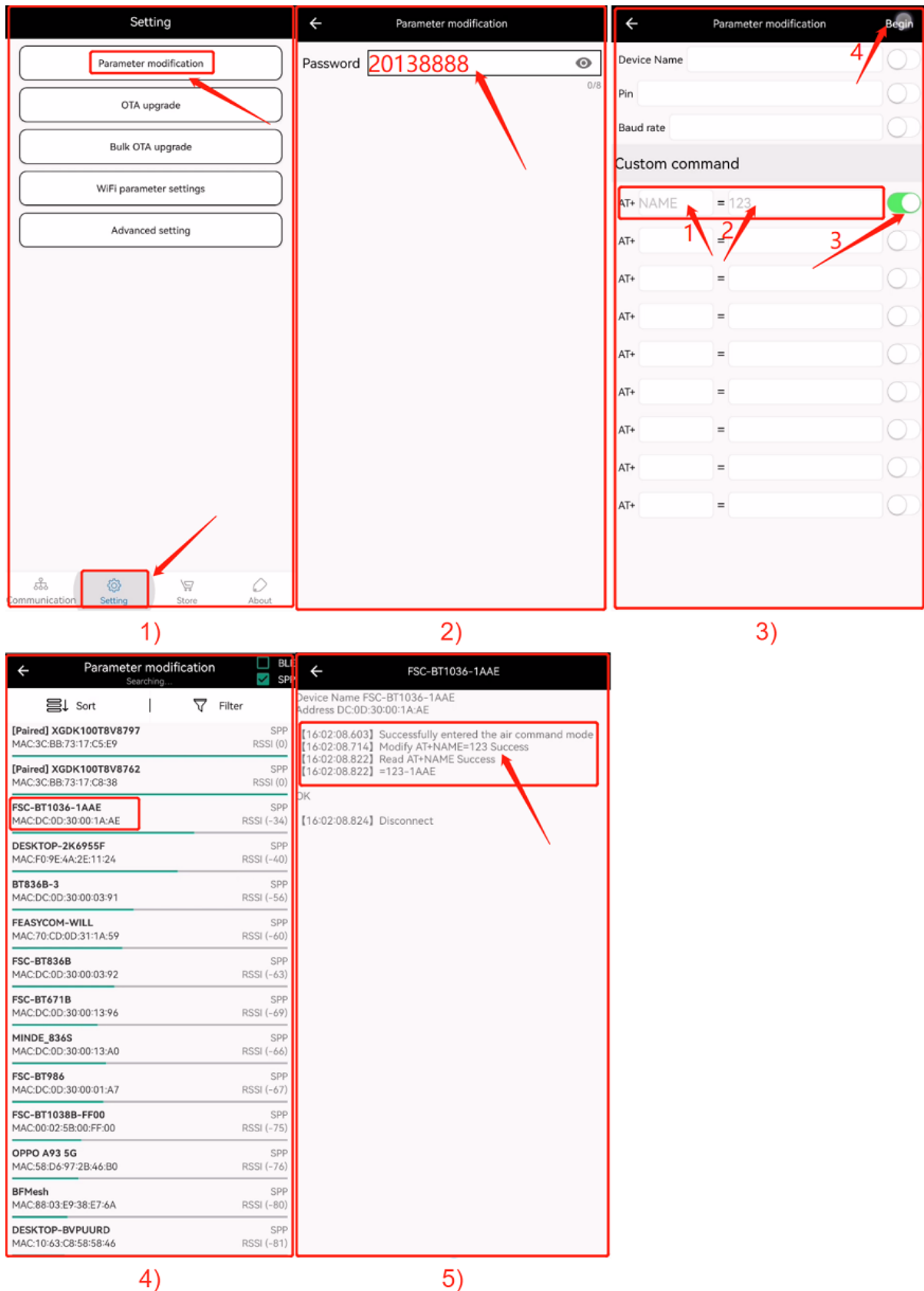
FeasyBlue already supports air command mode, which supports the use of AT commands to read and configure parameters of the module.

5.1 Parameter modification

- 1) Open FeasyBlue, select “**Settings**” - “**Parameter Modification**”.
- 2) Input password **20138888**.
- 3) Parameter modification

Example: Change module's BR/EDR local name to “ABC” : Enter AT+NAME=123 in the **custom comand**, select this item, and Begin

- 4) Select the device
- 5) Enter air command mode, parameter modification is successful

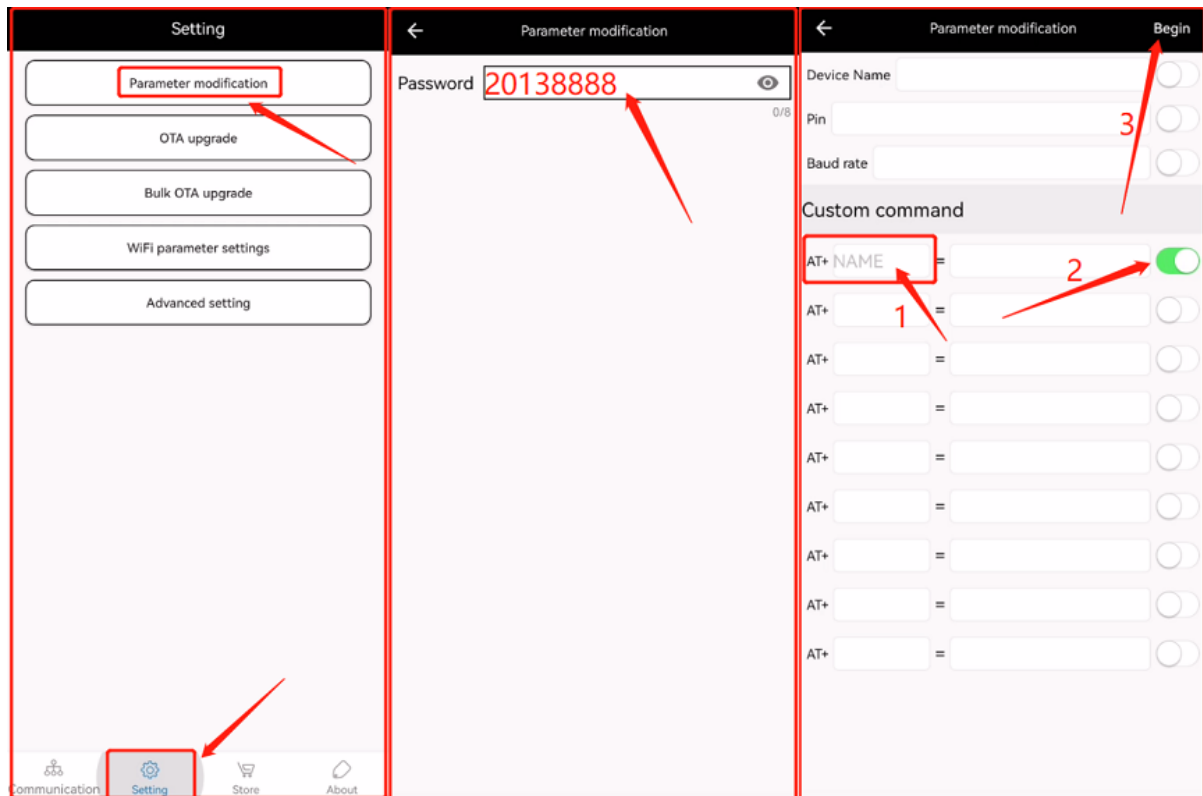


5.2 Read configuration parameter

- 1) Open FeasyBlue, select “Settings” - “Parameter Modification”.
- 2) Input password **20138888**.
- 3) Parameter modification

Example: Read current BR/EDR local name: Enter AT+NAME in the **custom comand**, select this item, and Begin

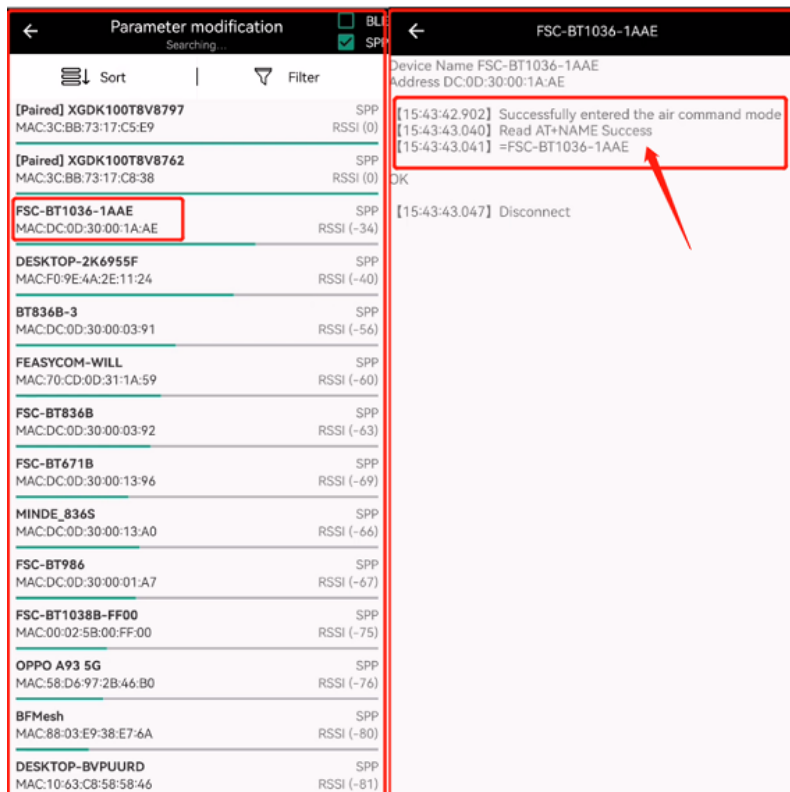
- 4) Select the device
- 5) Enter air command mode, parameter reading is successful



1)

2)

3)



4)

5)

Chapter 6

OTA Upgrade

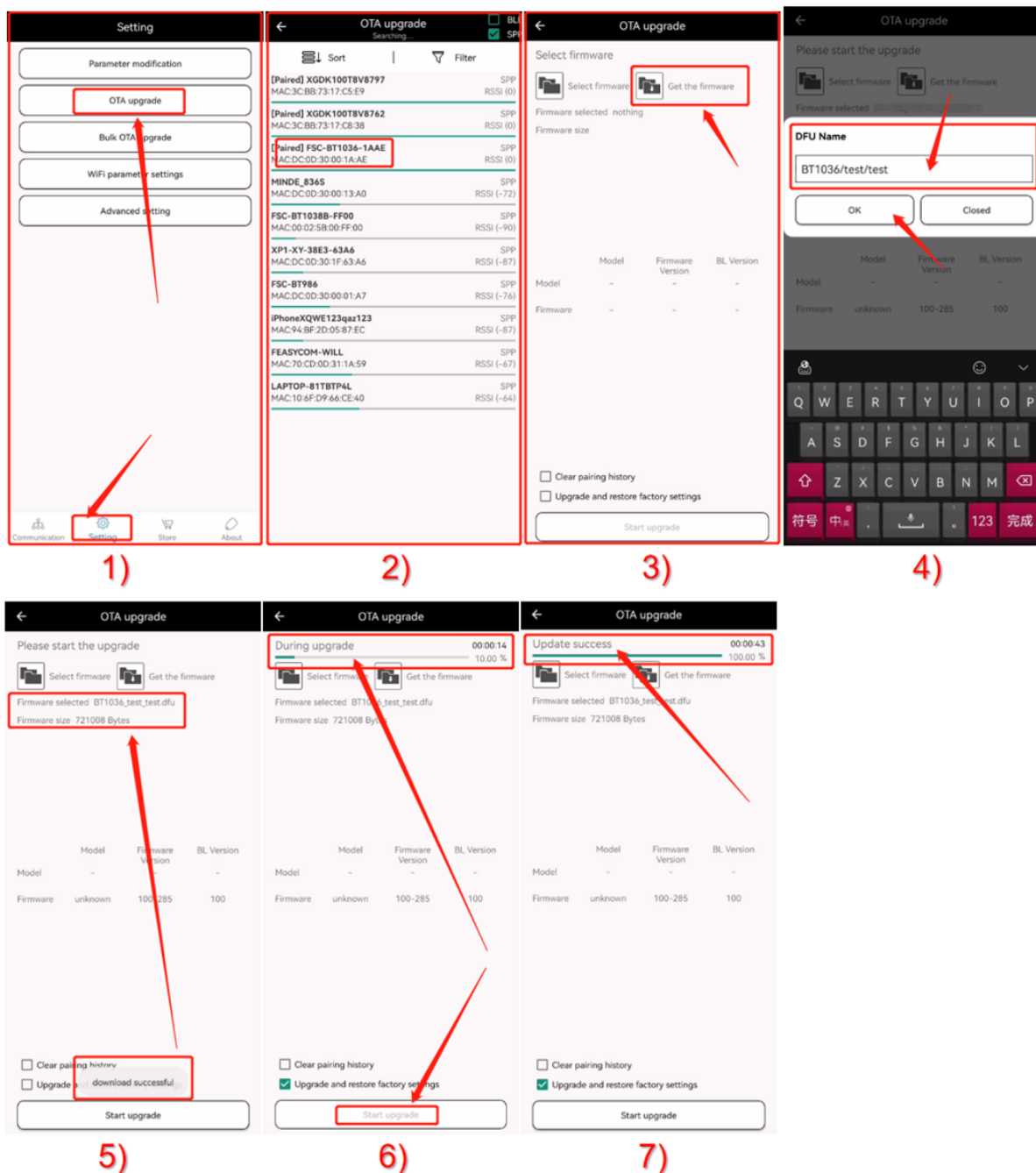
FeasyBlue already supports over-the-air upgrade function that can update the firmware of Bluetooth devices through Bluetooth data transmission.

6.1 Via DFU name, get the firmware and OTA

- 1) Open FeasyBlue, Select “**Setting**” - “**OTA upgrade**”;
- 2) Select the Bluetooth device to be upgraded;

Tips: You can specify the device name through the “**Filter**” function, or set the Rssi value to quickly find the device.
- 3) Click “Get Firmware” and enter the complete upgrade path in the pop-up “DFU name” window;
- 4) Enter the “Upgrade Path” and click “OK” when the input is complete.
- 5) After the firmware is obtained successfully, the downloaded firmware name will be displayed in “**Firmware Selected**” and “**Download Successful**” will be prompted. Then click “**Start Upgrade**” to start the upgrade;
- 6) To enter the upgrade mode, the Bluetooth of the mobile phone needs to be connected and paired with the Bluetooth module. When the system “Bluetooth Pairing Request” appears, please click “Pair”, otherwise it will result in the inability to enter the upgrade mode;
- 7) Start the upgrade, the firmware enters “upgrading”, and the upgrade progress bar is displayed;

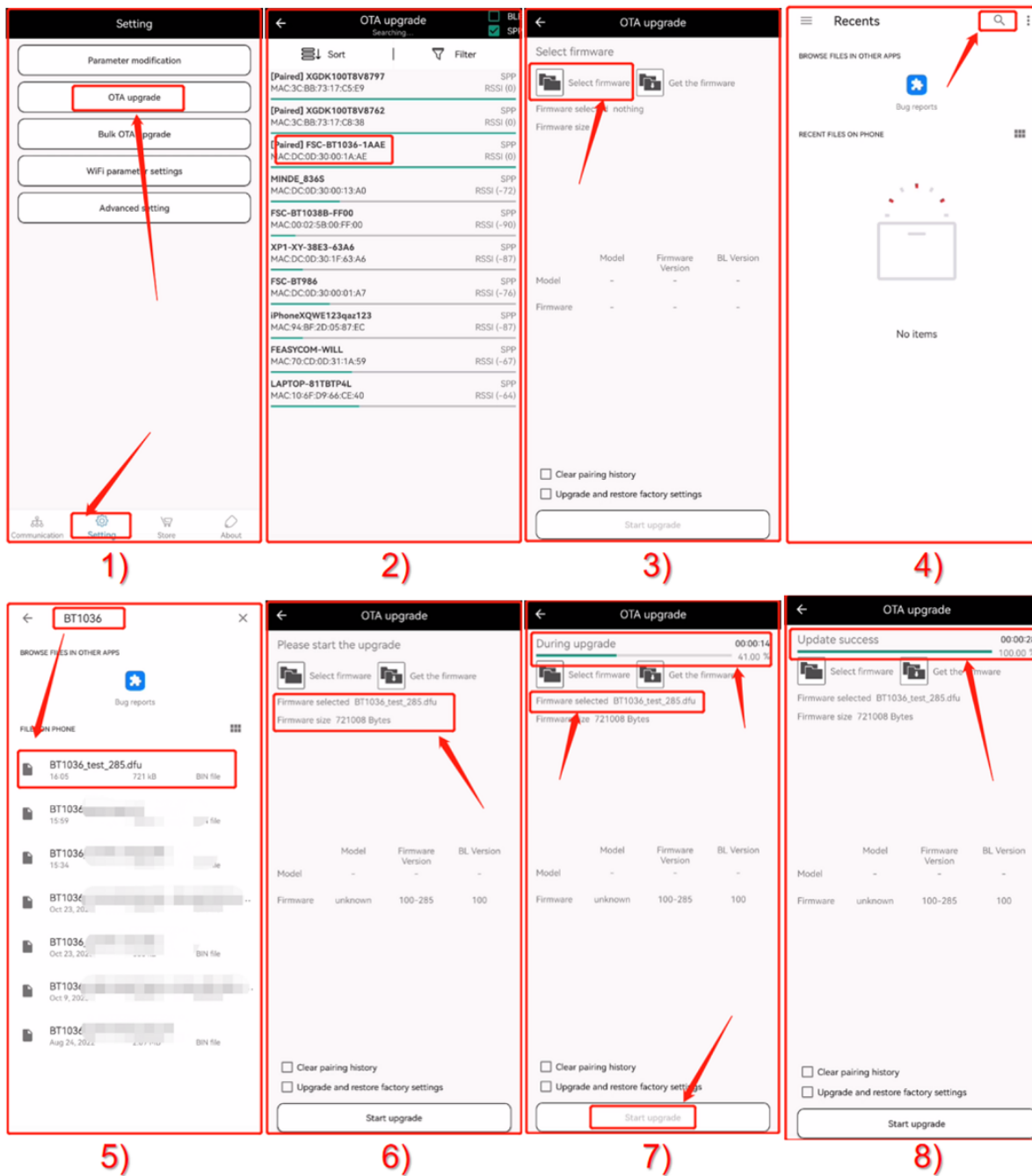
- 8) When the interface progress bar displays “100%” and “Upgrade successful”, OTA is completed.



6.2 Load local firmware file and OTA

- 1) Open FeasyBlue, Select “Setting” - “OTA upgrade”;
- 2) Select the Bluetooth device to be upgraded;
- 3) Click “Select Firmware”;

- 4) select local firmware file;
- 5) Click “**Start Upgrade**”;
- 6) To enter the upgrade mode, the Bluetooth of the mobile phone needs to be connected and paired with the Bluetooth module. When the system “Bluetooth Pairing Request” appears, please click “Pair”, otherwise it will result in the inability to enter the upgrade mode;
- 7) Start the upgrade, the firmware enters “upgrading”, and the upgrade progress bar is displayed;
- 8) When the interface progress bar displays “100%” and “Upgrade successful”, OTA is completed.



Chapter 7

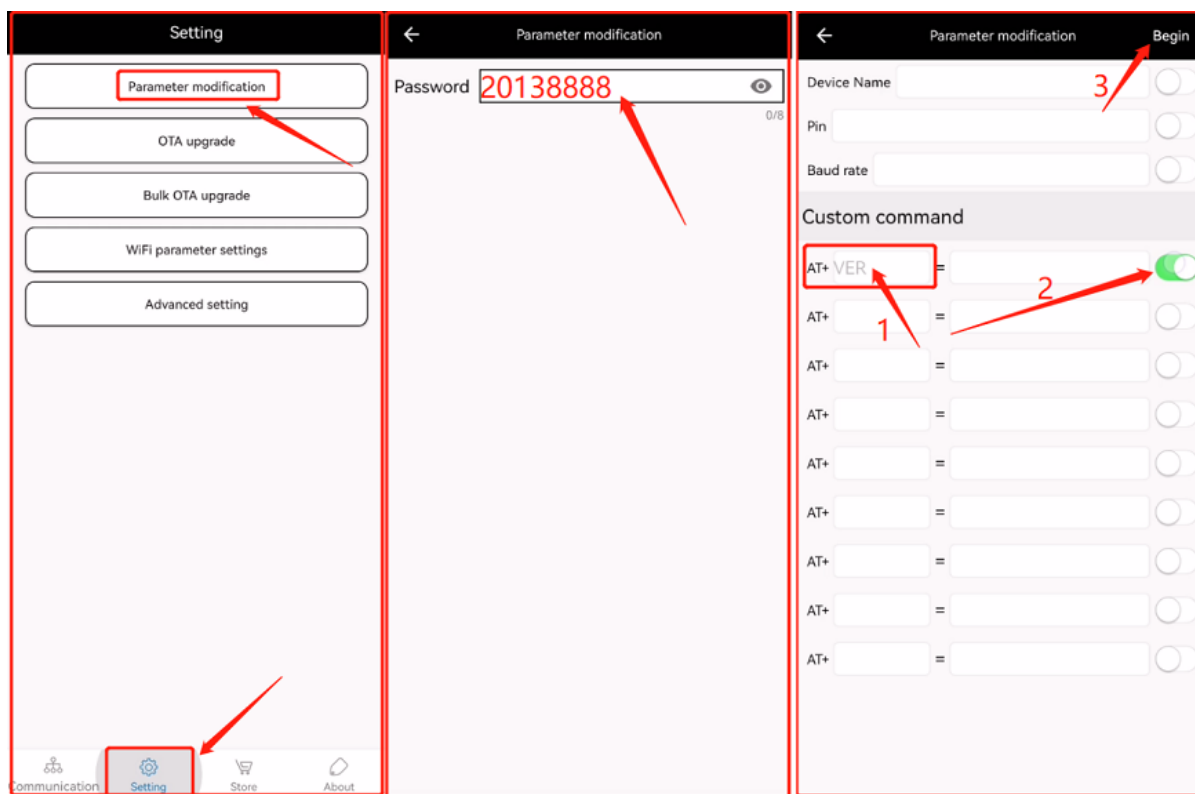
Read firmware version

FeasyBlue already supports air command mode, which supports the use of AT commands to read and configure some parameters of the module.

7.1 Via air AT commands

Use the over-the-air AT command to read the current firmware version information.

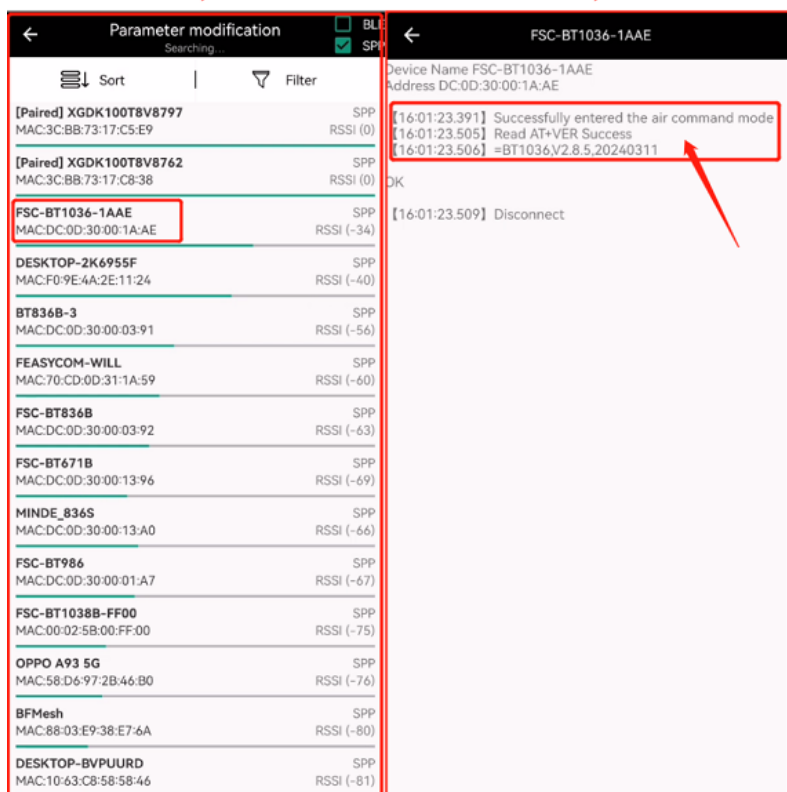
- 1) Open FeasyBlue, select “**Settings**” - “**Parameter Modification**”.
- 2) Input password **20138888**.
- 3) Enter AT+VER in the **custom comand**, select this item, and **Begin** ;
- 4) Select the device
- 5) Successfully entered the air command mode, read AT + READ successfully, and display the current firmware version information



1)

2)

3)

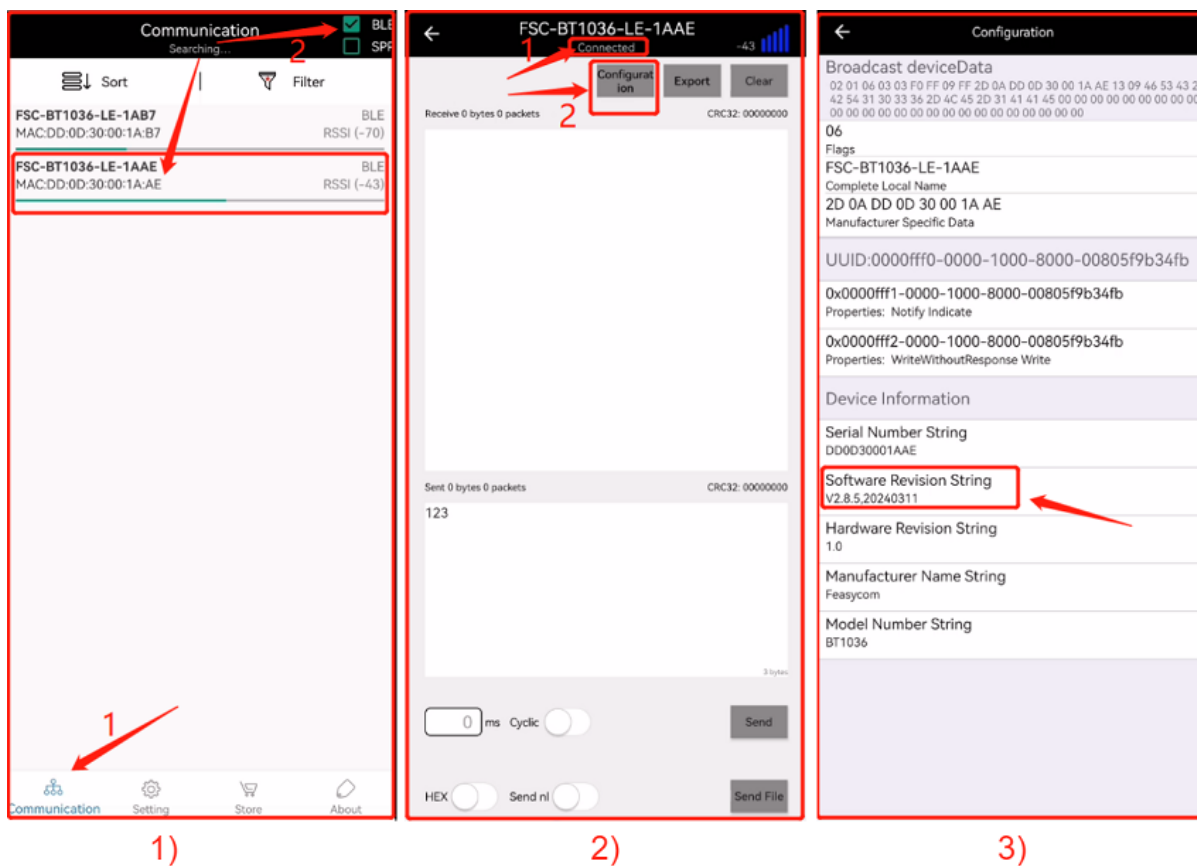


4)

5)

7.2 Via configure information for BLE

- 1) Open FeasyBlue, Select “**Communication**” - “**BLE**”;
- 2) Search and connect device, When it shows that it is **connected**, click **Configuration**.
- 3) In the **configuration**, you can obtain firmware version.



Chapter 8

Feasycom Serial Port Tool

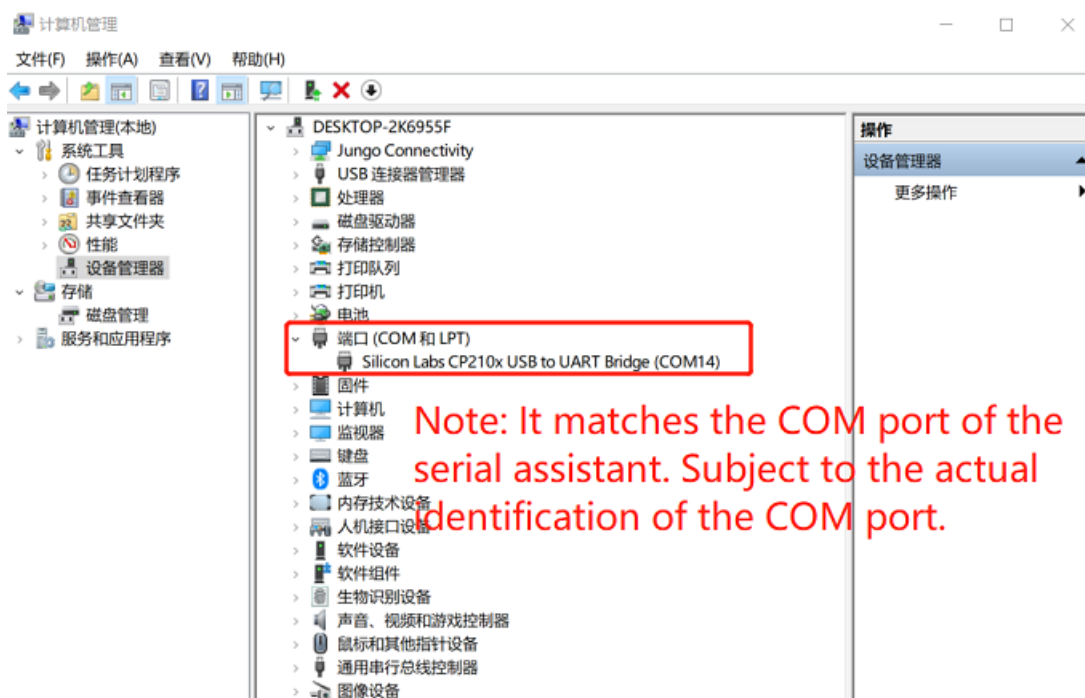
8.1 Function

● Communicate with the module through UART. ● Communication: scan、connect、send and receive data. ● Configuration: Read/write module parameters.

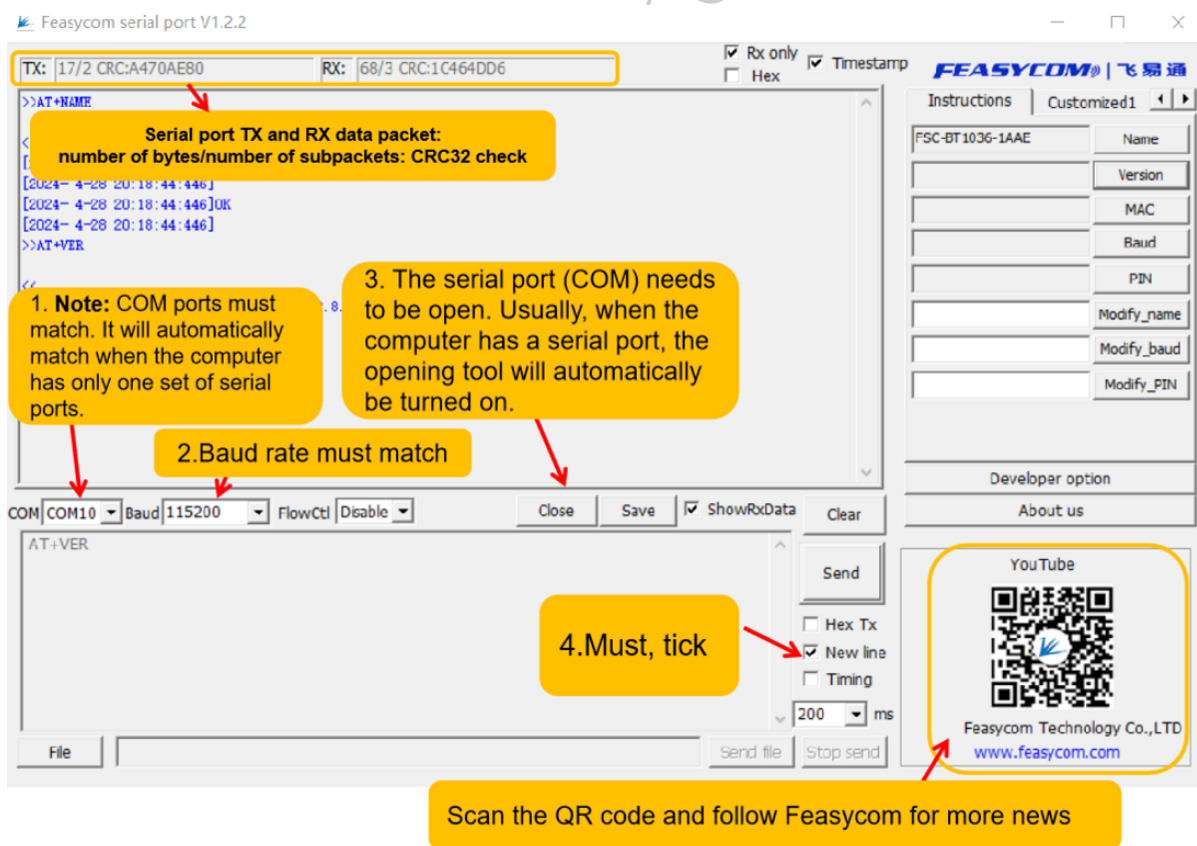
8.2 Serial driver and COMx

1. Connect the USB port of the Feasycom development board, such as FSC-DB005/DB006/DB008/DB200/other, to the USB port of the computer, the LED indicator light flashes slowly (general program), and the module is searchable and connectable (when the Bluetooth module and other Bluetooth devices establish a Bluetooth connection successfully, the LED will be on normally);
2. Before development, debugging and use, you need to let the PC recognize the COM port of the device, that is, you need to install the driver. After the driver is successfully installed, you can view it in the PC device manager.

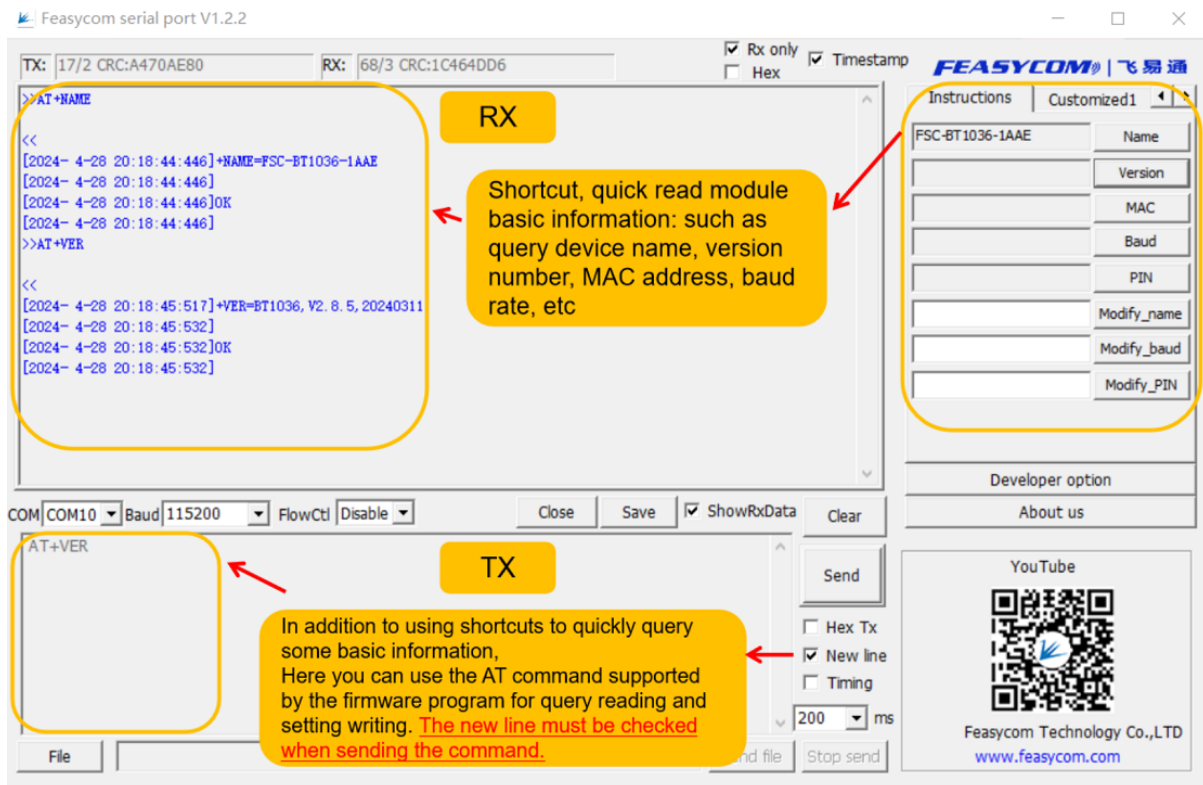
Note: On [FSC-DEV-KITS](#), you can view introductions, user guides, and the serial port drivers you may need for the Feasycom Development Kit you already own.



8.3 Necessary configuration

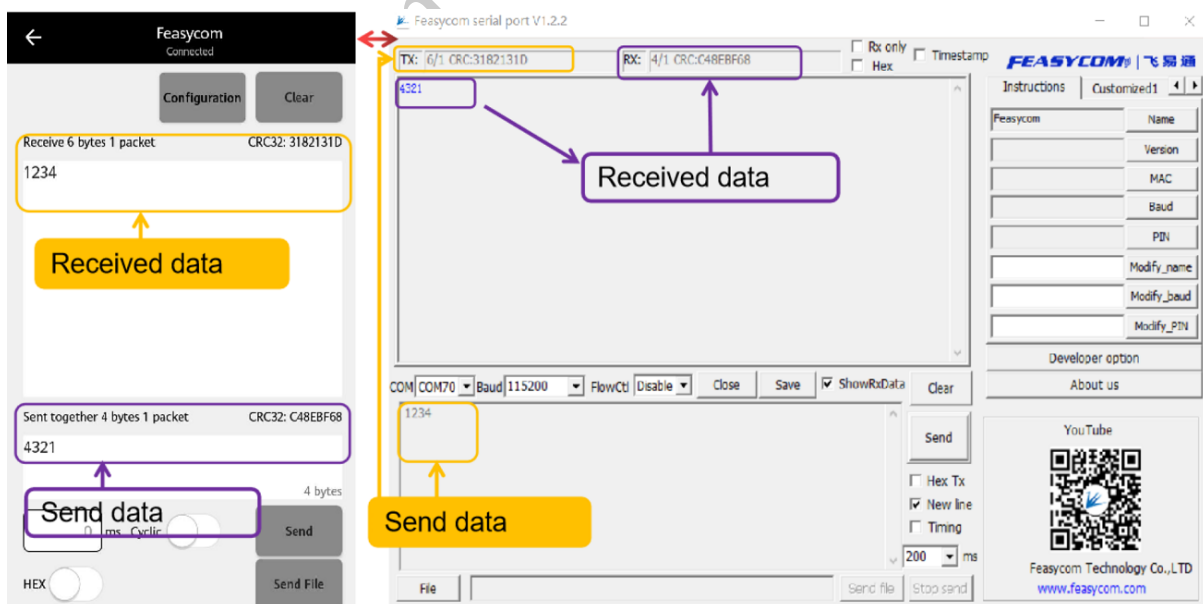


8.4 Send AT command



8.5 Data transmission communication

8.5.1 TX and Rx



Chapter 9

FAQs

9.1 OTA upgrade

Q: After clicking “Start Upgrade” , warn “Upgrade failed” ?

A: There is a low probability of occurrence in some mobile phone systems. Just click “Start Upgrade” repeatedly, or exit and re-enter the FeasyBlue and start the upgrade again. This problem will be continuously optimized in the new version.

Chapter 10

Appendix

10.1 Download PDF

- [FeasyBlue and FeasycomSerialPort User Guide \(PDF\)](#)

Shenzhen Feasycom Co., Ltd.