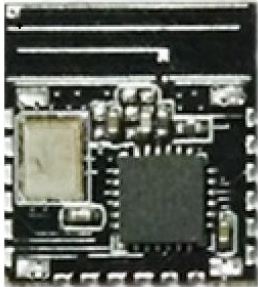
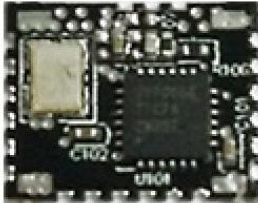


Operation Guide

HF-BL200A

This document is applicable for the following product.

	HF-BL200A-1
	HF-BL200A-0

Catalogue

1. HF-BL200A Module	3
1.1. HF-BL200A-1 EVB	3
2. UART TOOLS	4
2.1. SecureCRT	4
2.2. UART PARAMETERS.....	4
3. HF-BL200A Module Test	5
3.1. AT Command	5
3.2. Test Case One: Throughput.....	7
3.3. UART Upgrade	9
3.4. OTA Upgrade	10

版本记录:

2018-02-01 First Version

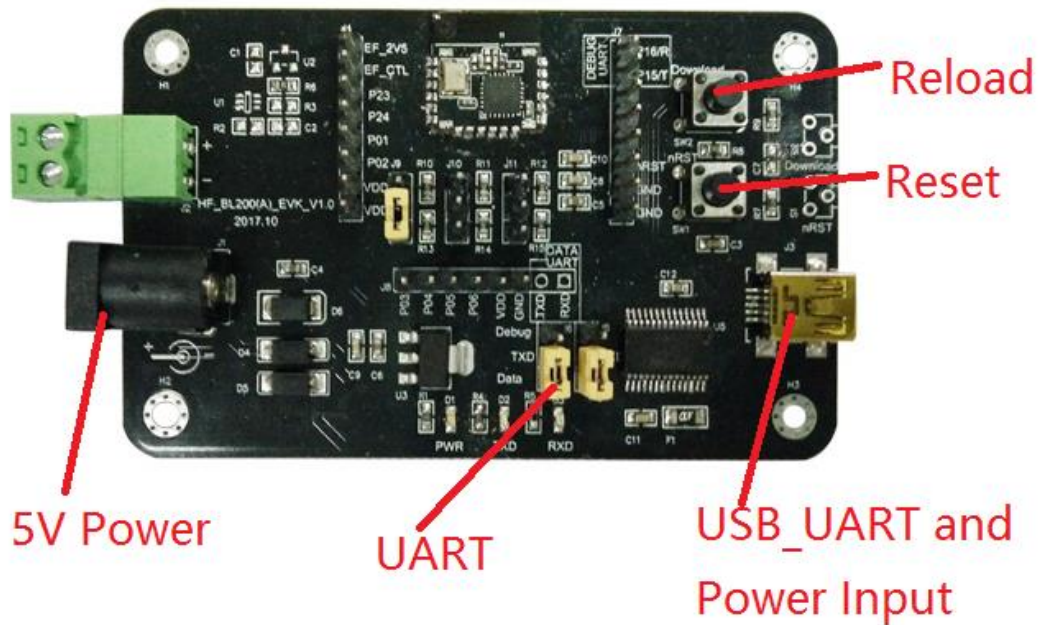
2018-03-23 Add OTA upgrade function

1. HF-BL200A Module

This document take HF-BL200A-1 EVB as example

1.1. HF-BL200A-1 EVB

HF-BL200A EVB is as following.



Use USB cable to connect to EVB for communication test . The jumper jump to DATA. (jump to Debug for program firmware.)

2. UART TOOLS

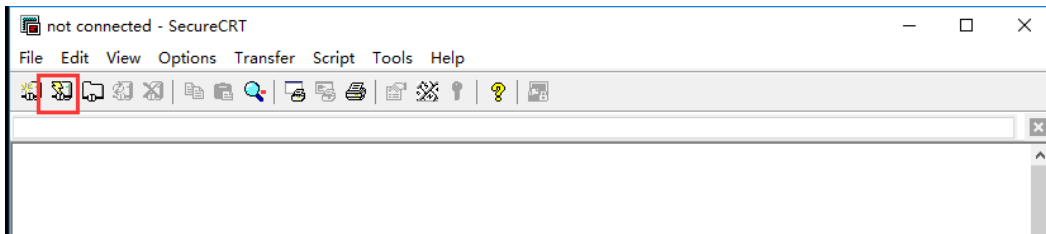
2.1. SecureCRT

Download address:

<http://www.hi-flying.com/download-center-1/applications-1/download-item-securecrt>

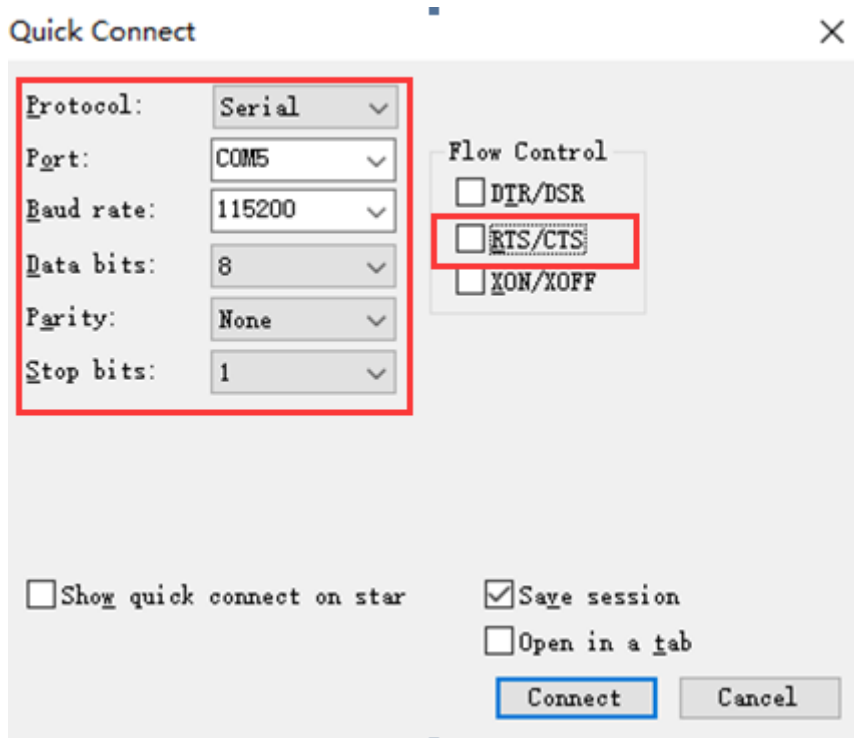


, click Quick Connect icon,



2.2. UART PARAMETERS

Set UART parameters



3. HF-BL200A Module Test

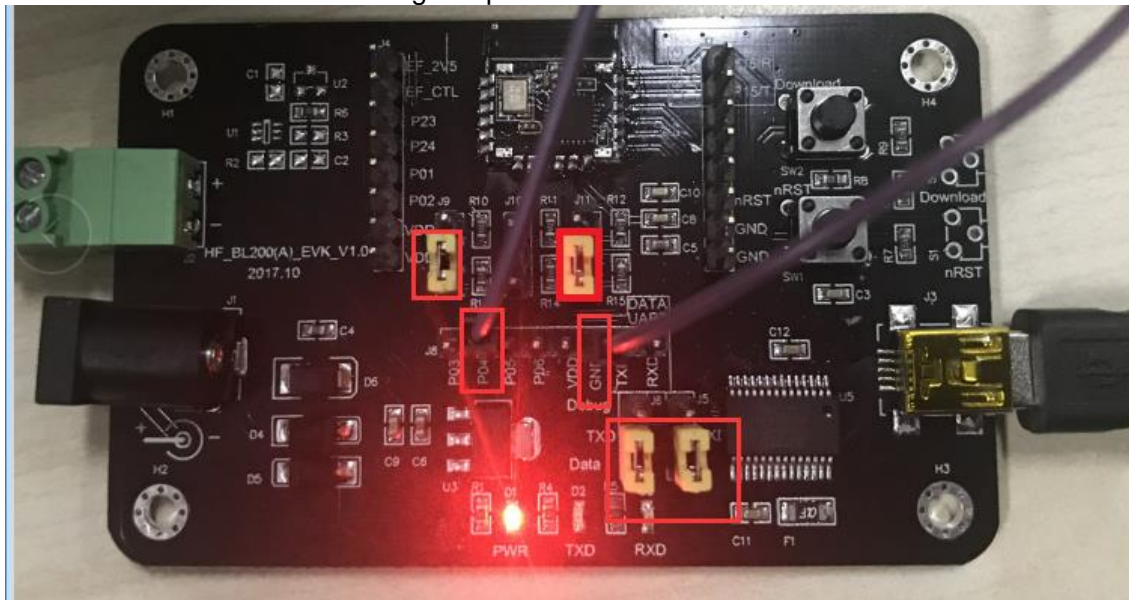
3.1. AT Command

Step1: Connect USB to PC and install the following driver.

<http://www.hi-flying.com/download-center-1/applications-1/driver-ft232r>

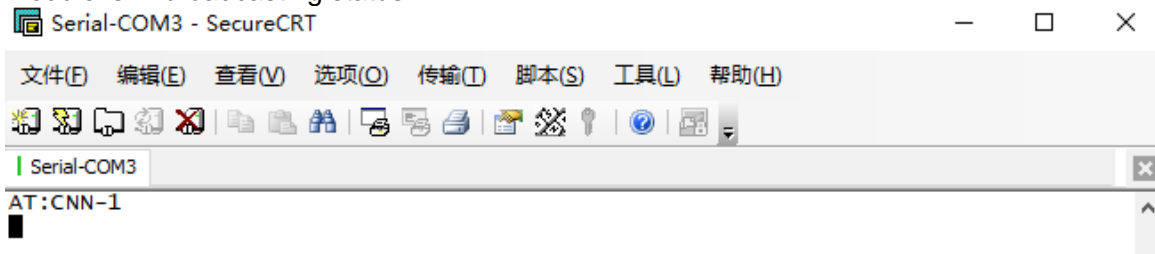


Step 2: Set the jumper as following picture(Set P24 pull-down 4K7, P03 pull-down 4K7), Connect P04 to GND for disabling sleep.

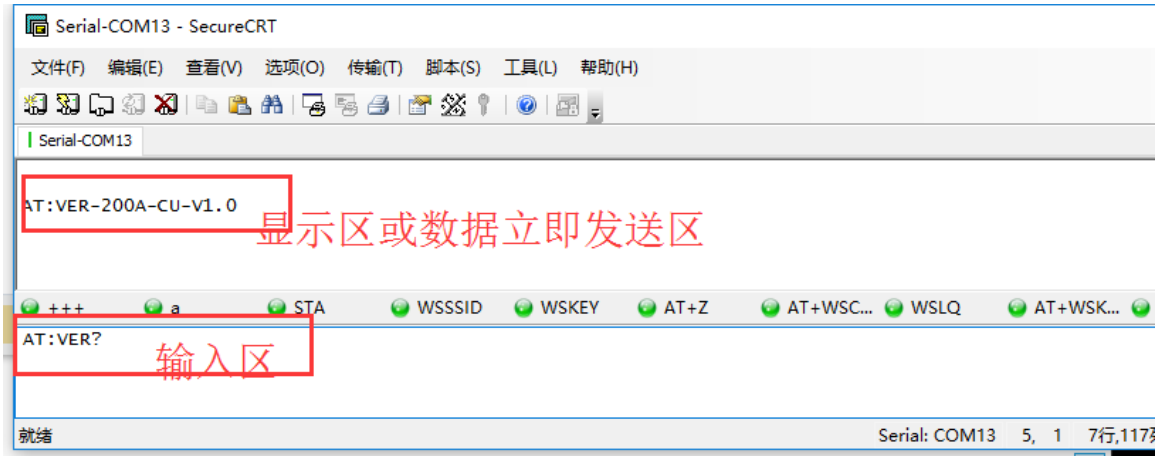


Step 2: Open SecureCRT and set UART parameters.

Step 3: Click Reset button, the secureCRT will show the following data. It means the module is in broadcasting status.



Step 4: Input the command in the input area and it will show the response on the output area as following picture.



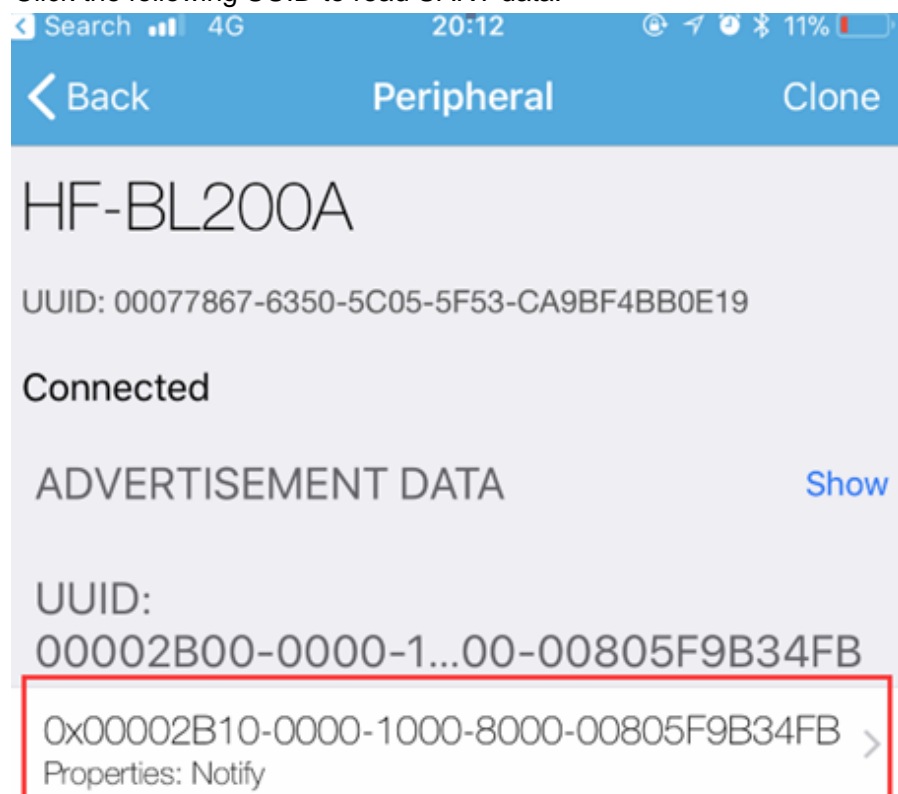
3.2. Test Case One: Throughput

Download LightBlue in IOS appstore or CySmart for Android . May also use other BLE communication APP. The following take LightBlue for example.

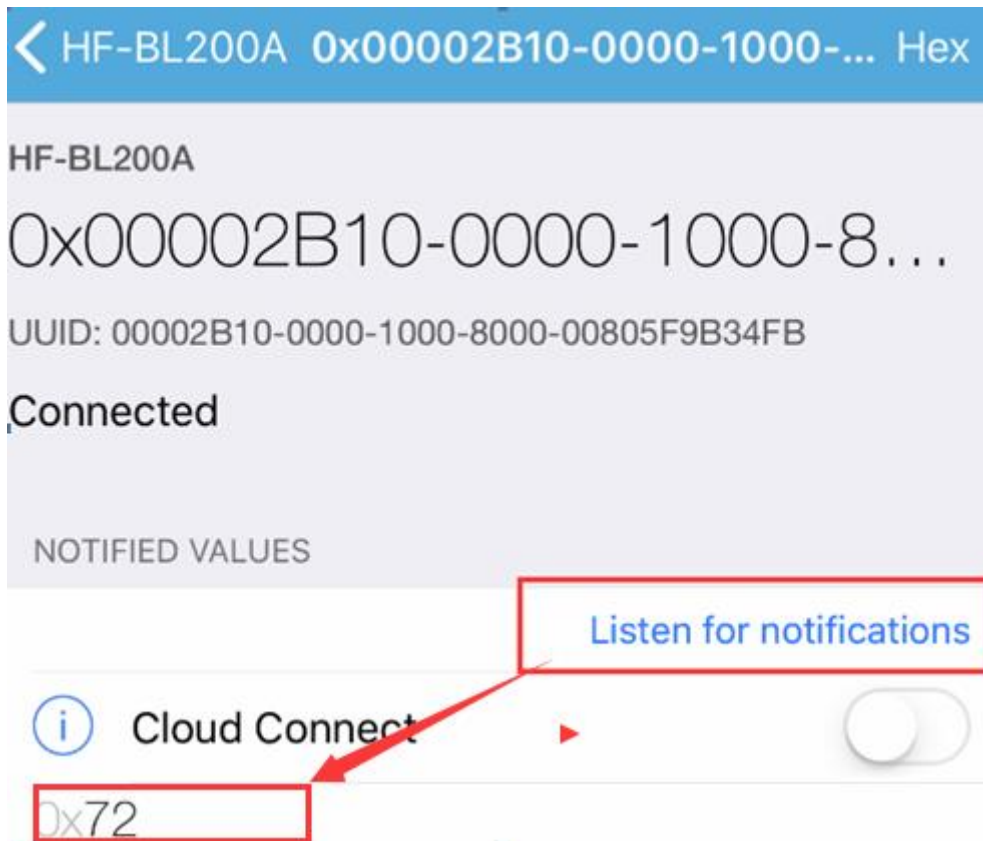
Step 1: Open LightBlue and connect HF-BL200A.



Step 2: Click the following UUID to read UART data.



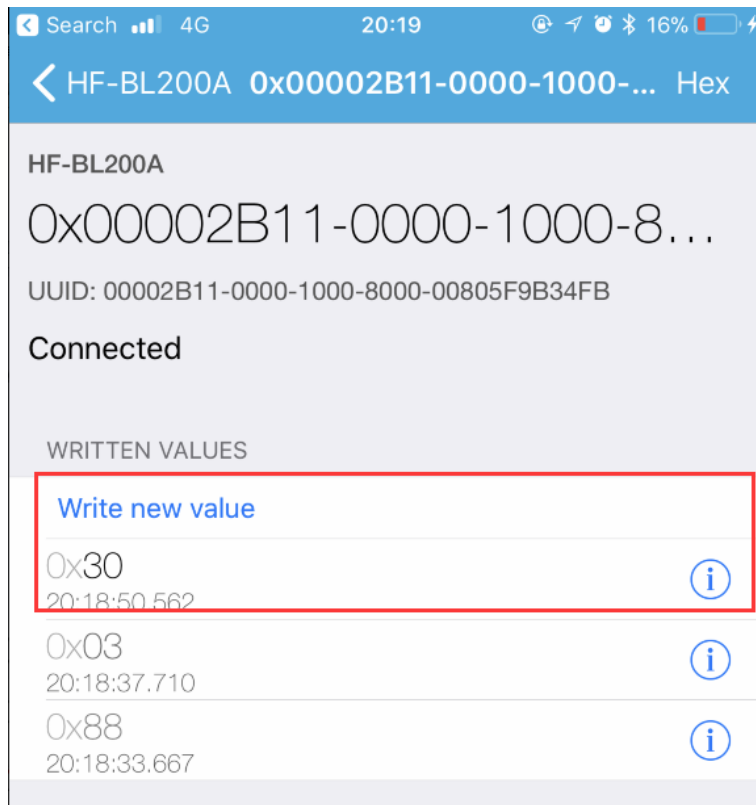
Step 3: Click Listen For notifications to show the received UART data.



Step 4: Click the following UUID to send UART data.

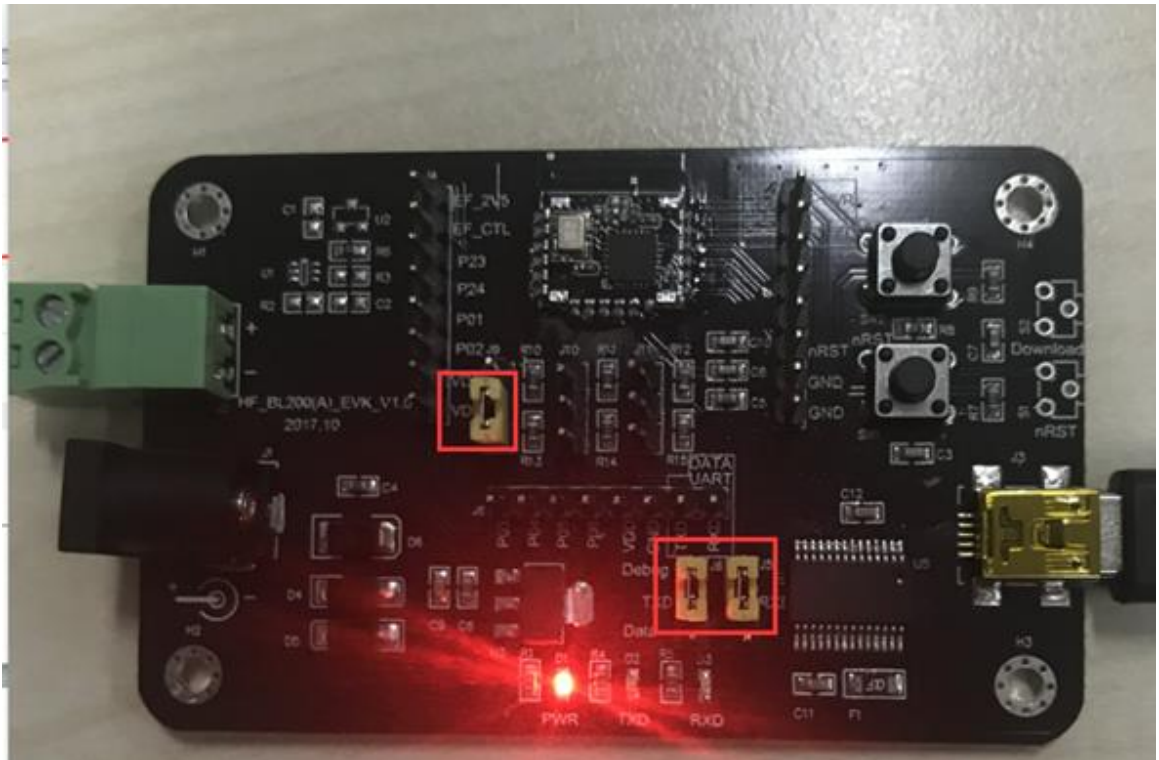


Step 4: Click Write new value to send data.



3.3. UART Upgrade

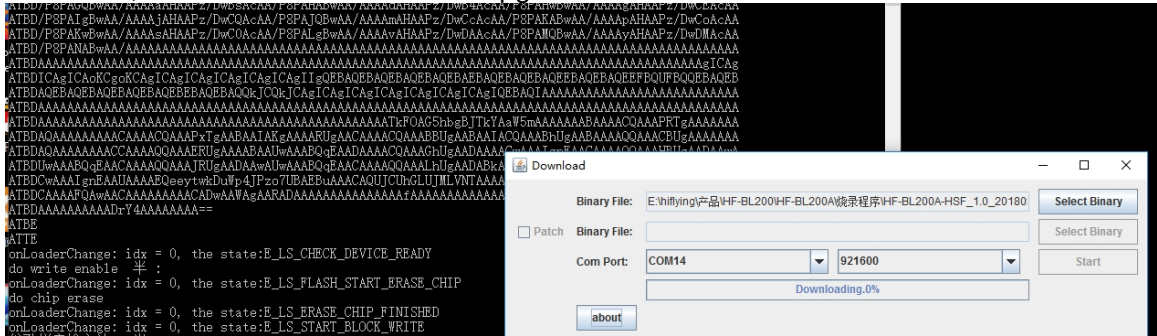
Step 1: Connect as following picture.



Step 2: Open iLoad Tools and load firmware. Set baud rate to 921600.



Step 3: Press down Reload(Set P03 to high), then click Reset, when the tools show Download, then loose nReload to wait upgrade.

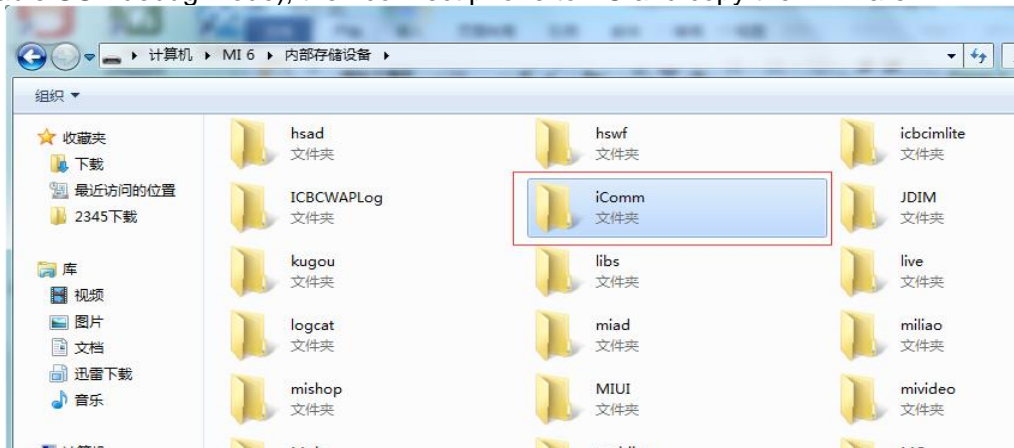


Step 4: Do reboot after upgrade.

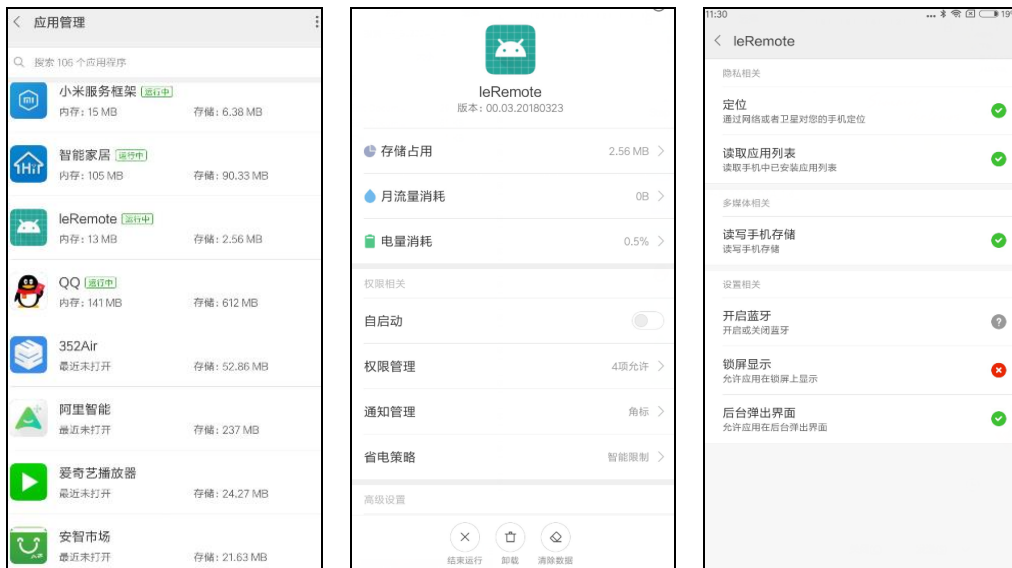


3.4. OTA Upgrade

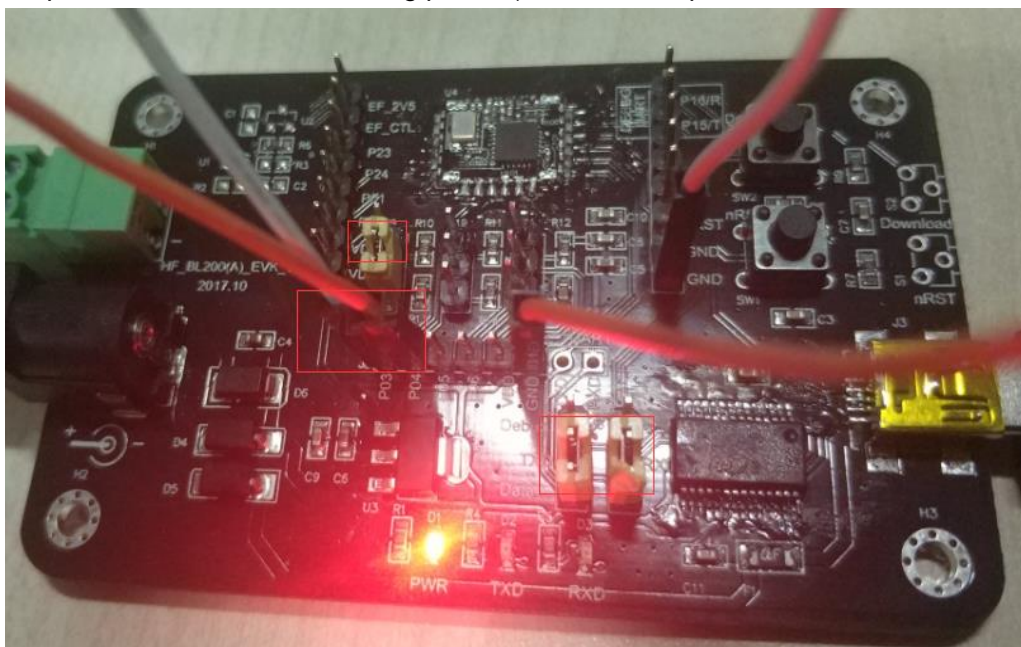
Step 1: Install leRemote, and put the OTA firmware into the iComm directory(Need to enable USB debug mode), then connect phone to PC and copy the firmware.



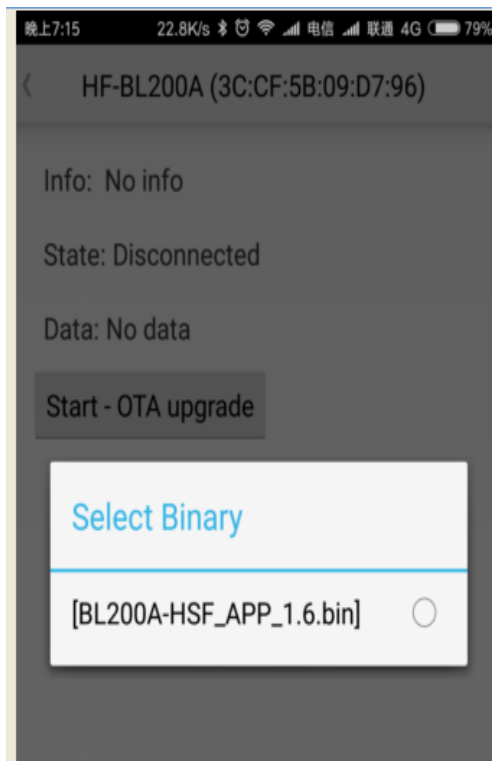
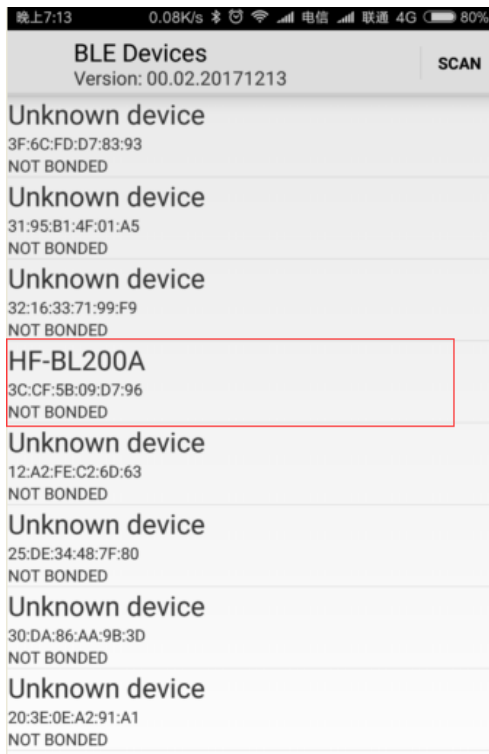
Step 2: Enable the APP read and write authority.



Step 3: Connect as the following picture(P03 and P04 pull-down or connect to GND)



Step 4: Open APP, and click the HF-BL200A, then click Start-OTA upgrade.



Step 5: The OTA is in progress. When it show Stop, the upgrade is finished.

