GL6509 FW Upgrade Guide

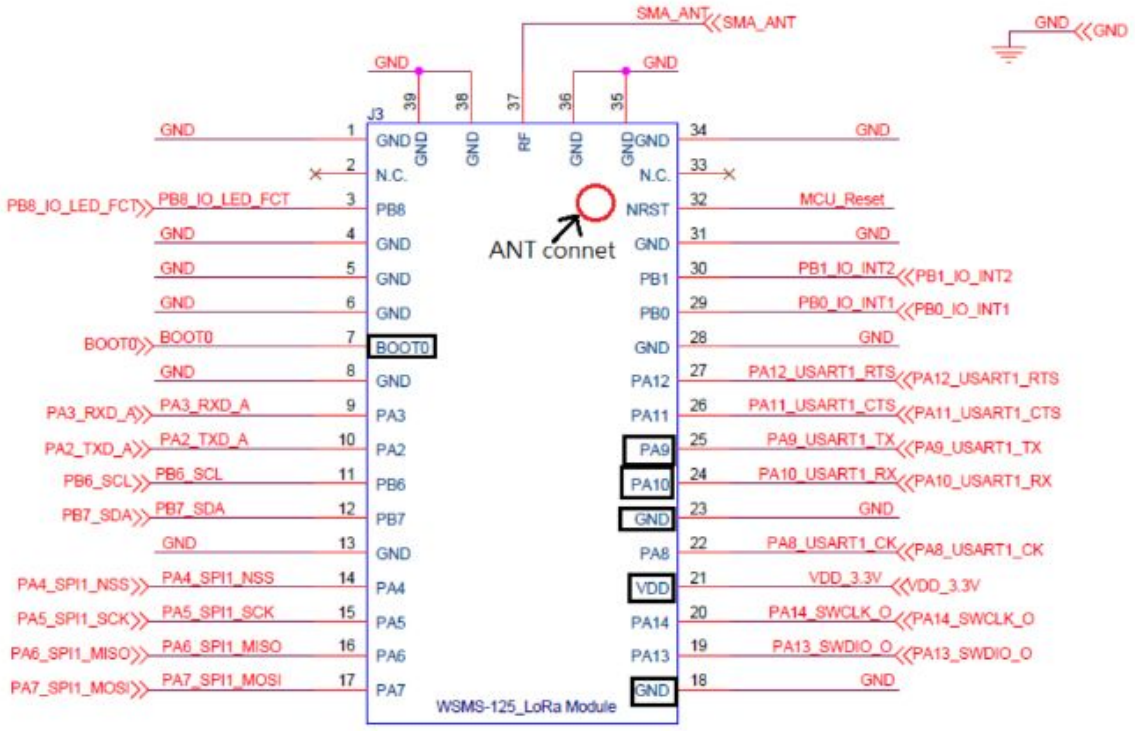
1. Software tool download

http://www.st.com/content/st_com/en/products/development-tools/software-development-tools/stm32-software-development-tools/stm32-programmers/flasher-stm32.html

*or search key word "***STM32 Flash loader demonstrator** *" now is version 2.8 版*

2. Hardware

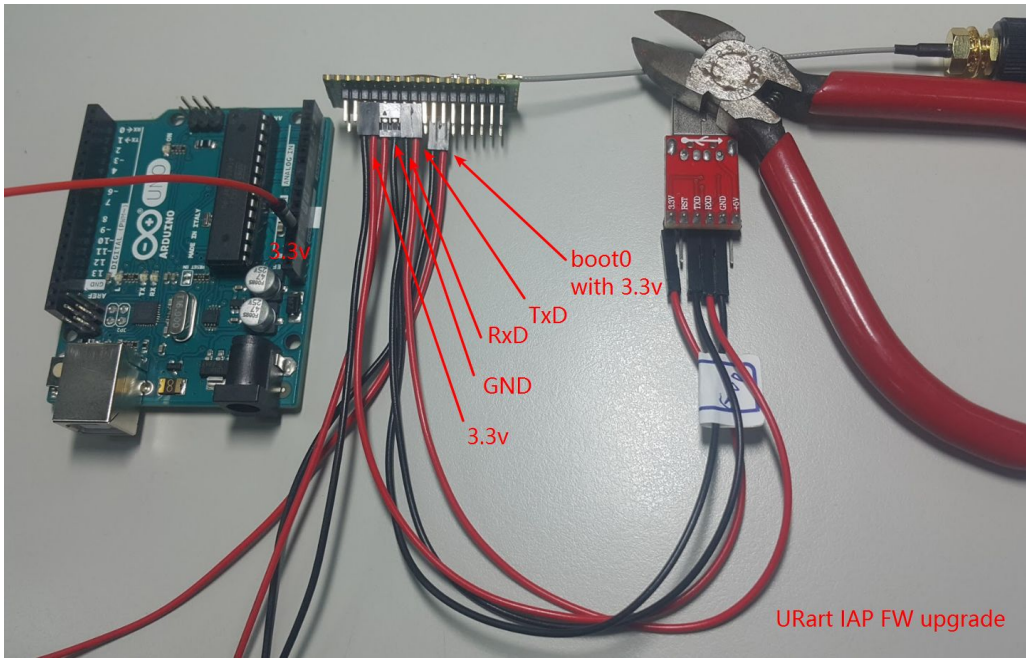
2.1 Pin Define



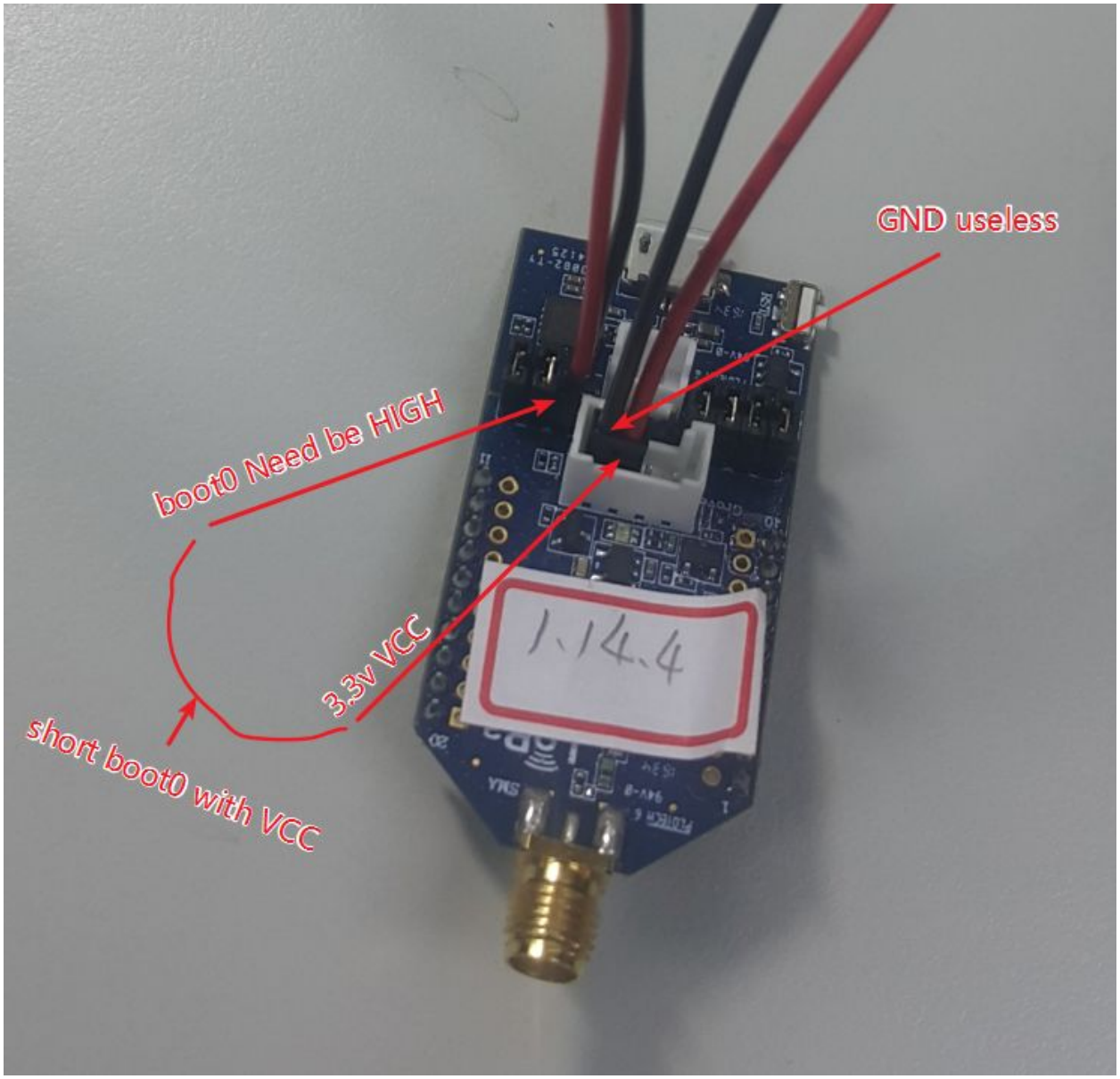
2.2 Pin Connet

Boot0 connet to VDD

2.3 GL6509



2.4 G76S、G78S EVK



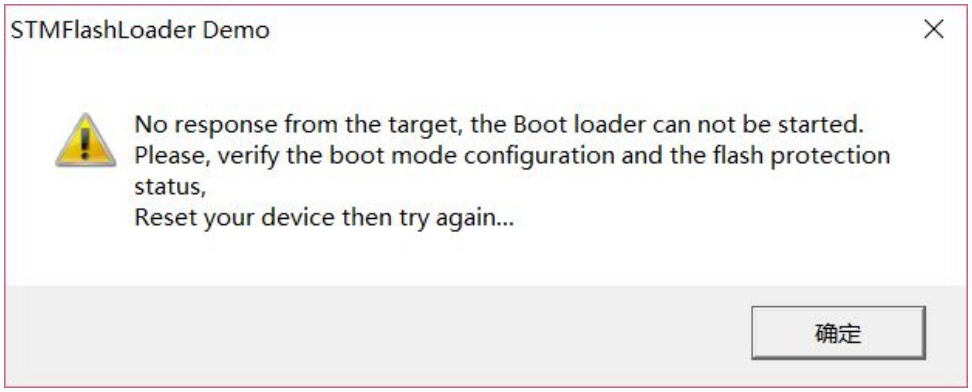
3. Upgrade Step

3.1 Power on module, MCU enter IAP mode.

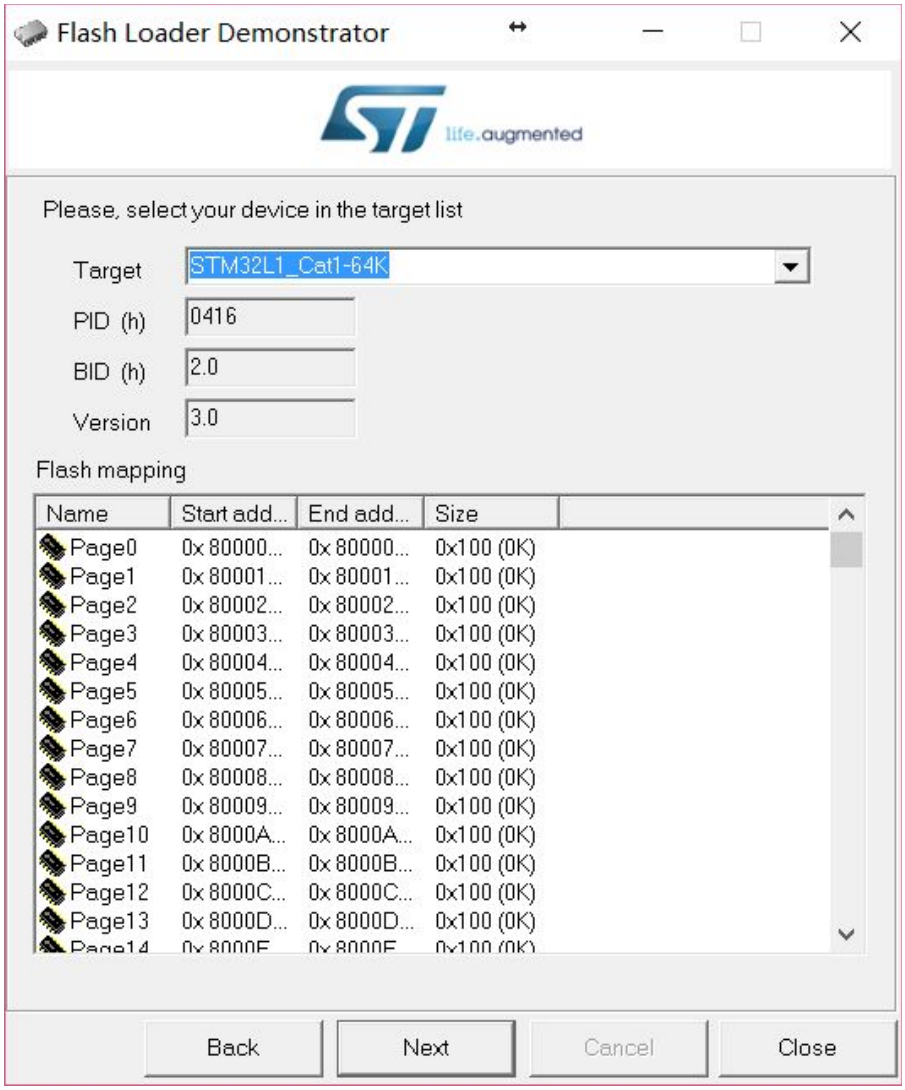
3.2 Open Flash Loader Demonstrator 3.3 Select Com port

3.4 Press “Next” , check if MCU enter IAP mode. If it is ok, show below screen.

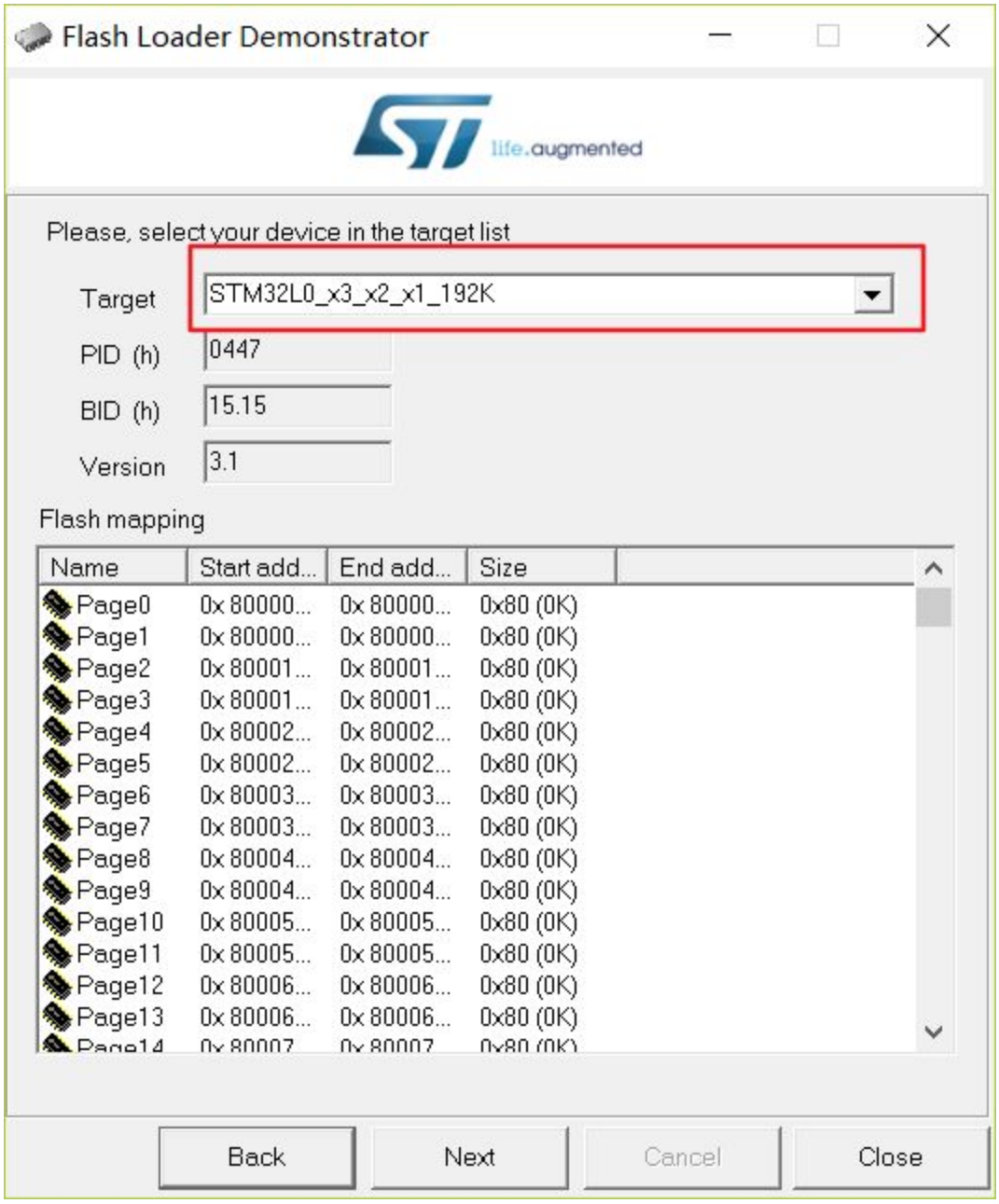
If it is fail, show below screen. Please reset module.



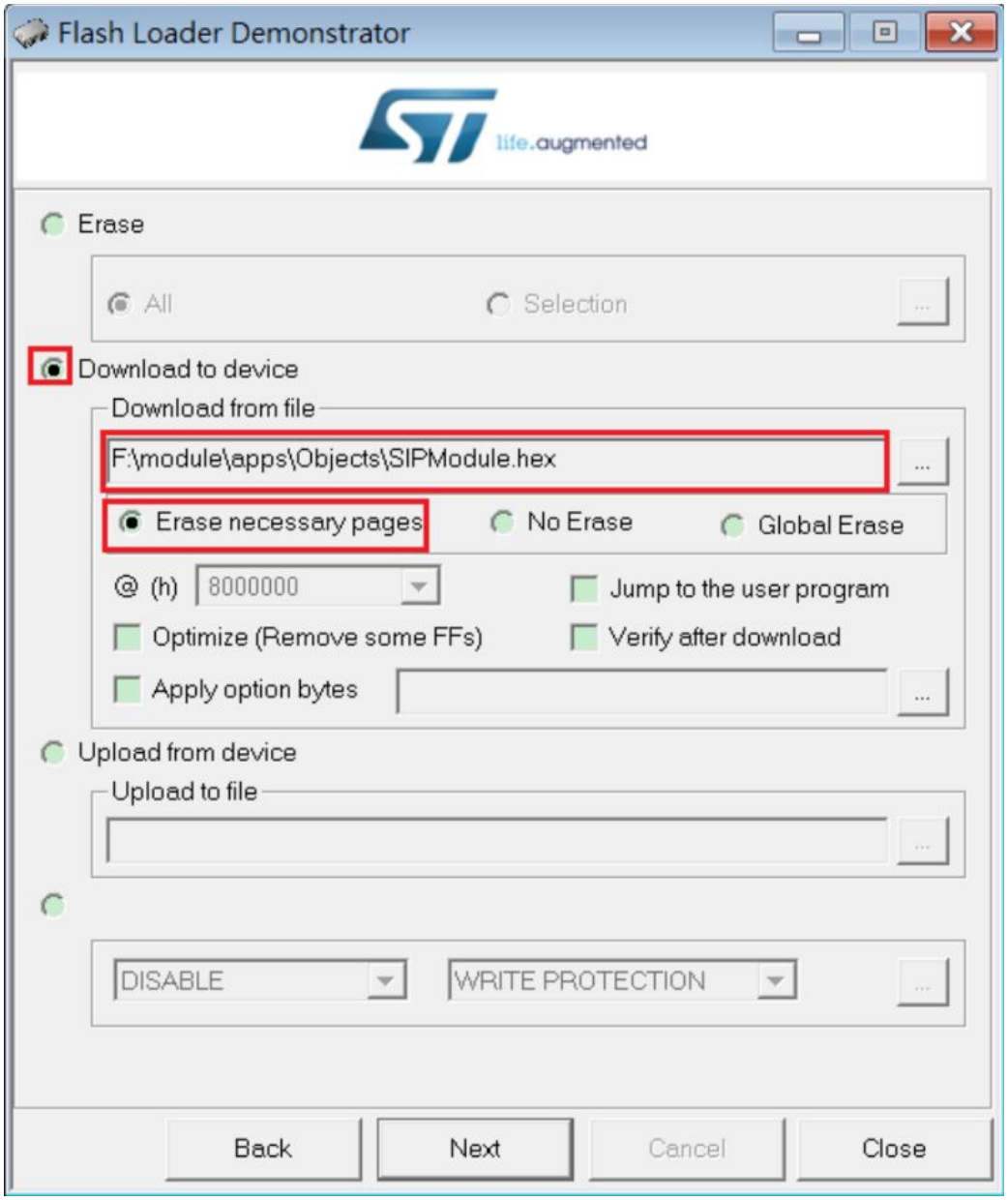
3.5 Select module size “STM32L1_Cat1-64k”



if G76S sip module


Flash Loader Demonstrator
life.augmented
Please, select your device in the target list
Target
STM32L0_x3_x2_x1_192K
PID (h)
0447
BID (h)
15.15
Version
3.1
Flash mapping
Name
Start add...
End add...
Size
Page0 0x 80000... 0x 80000... 0x80 (0K)
Page1 0x 80000... 0x 80000... 0x80 (0K)
Page2 0x 80001... 0x 80001... 0x80 (0K)
Page3 0x 80001... 0x 80001... 0x80 (0K)
Page4 0x 80002... 0x 80002... 0x80 (0K)
Page5 0x 80002... 0x 80002... 0x80 (0K)
Page6 0x 80003... 0x 80003... 0x80 (0K)
Page7 0x 80003... 0x 80003... 0x80 (0K)
Page8 0x 80004... 0x 80004... 0x80 (0K)
Page9 0x 80004... 0x 80004... 0x80 (0K)
Page10 0x 80005... 0x 80005... 0x80 (0K)
Page11 0x 80005... 0x 80005... 0x80 (0K)
Page12 0x 80006... 0x 80006... 0x80 (0K)
Page13 0x 80006... 0x 80006... 0x80 (0K)
Back
Next
Cancel
Close

3.6 Select hex file



3.7 Success

3.8 Remove boot0 pin, and reset module

4. Firmware Download

GL6509 firmware

Class C 1.14 https://drive.google.com/open?id=0B0OaOUQlbSQ1NEtVY1lxQzBCR0U
Class A 1.14 https://drive.google.com/open?id=0B0OaOUQlbSQ1QVdJM2pXc20tNHM

最新版 1.15 https://drive.google.com/open?id=0B0OaOUQlbSQ1NTJNc2Q3NklNOXc

G76S Firmware

LoRaWAN Ver 4.01.12
https://drive.google.com/open?id=0B0OaOUQlbSQ1Qmc2OVdaTVlSY2xsMEpTWlczOEVOcHBOaHJr
GIoT Ver 1.15.10
https://drive.google.com/open?id=1duC9uV5aIKj3wP5PcCvJ3VKtVja-mAFF

Command Line for ref, not verify yet.
"STMFlashLoader.exe" -c --pn COM18 --br 115200 -i STM32L1_Cat1-64K -u --fn AT_L151_v1.15.03.hex