

# GL6509 FW Upgrade Guide

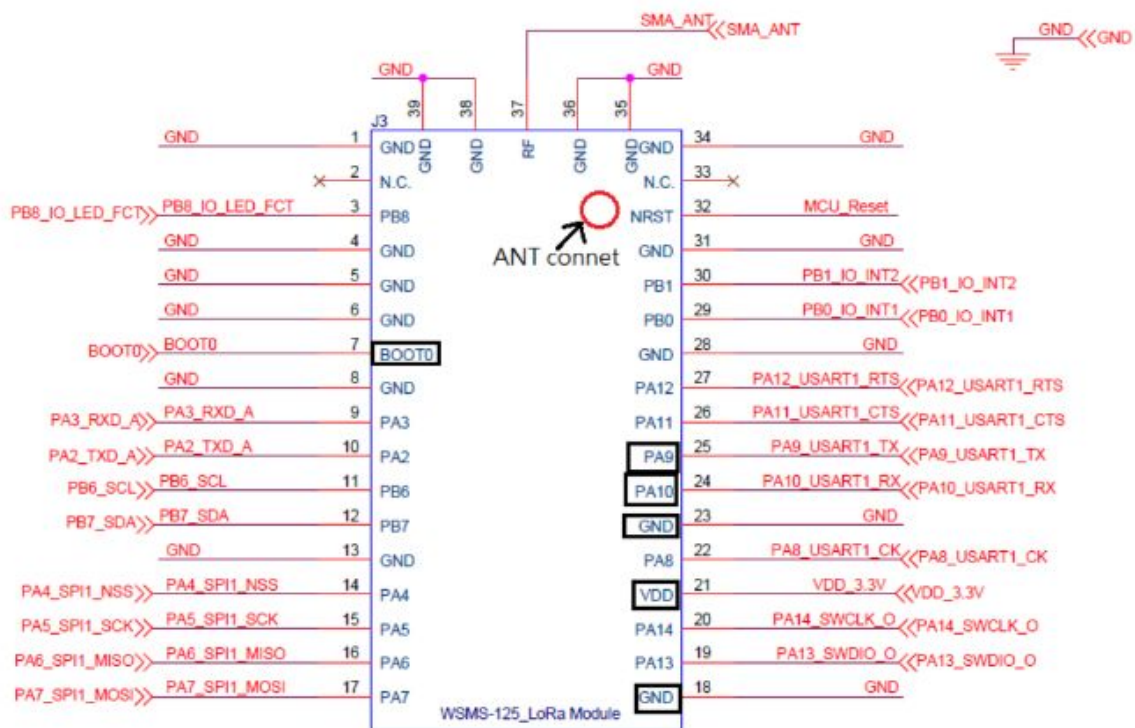
## 1. Software tool download

[http://www.st.com/content/st\\_com/en/products/development-tools/software-development-tools/stm32-software-development-tools/stm32-programmers/flasher-stm32.html](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

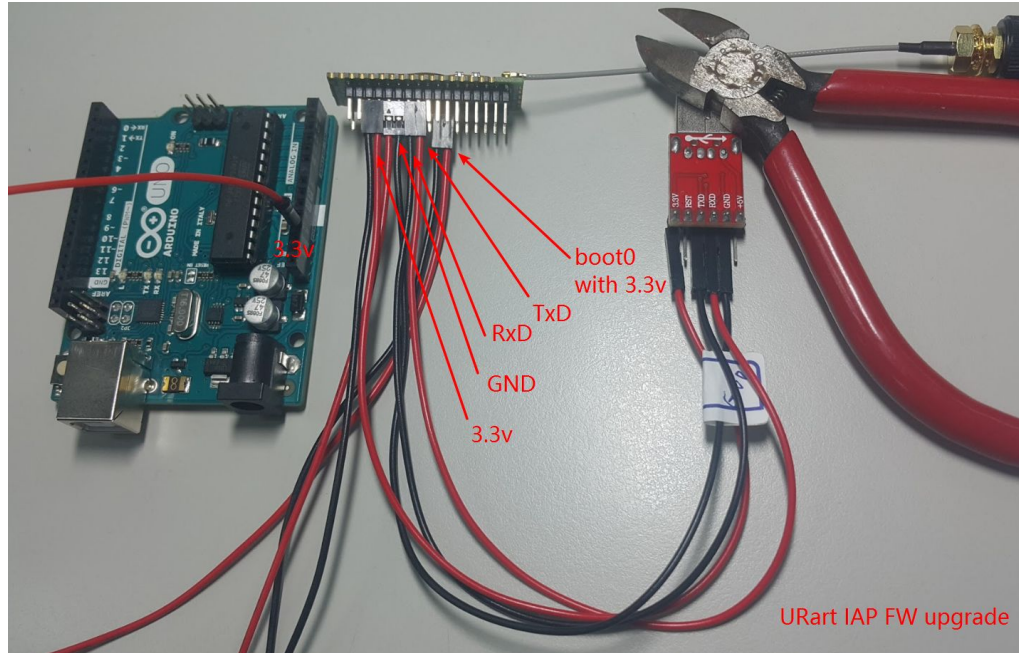
### 2.1 Pin Define



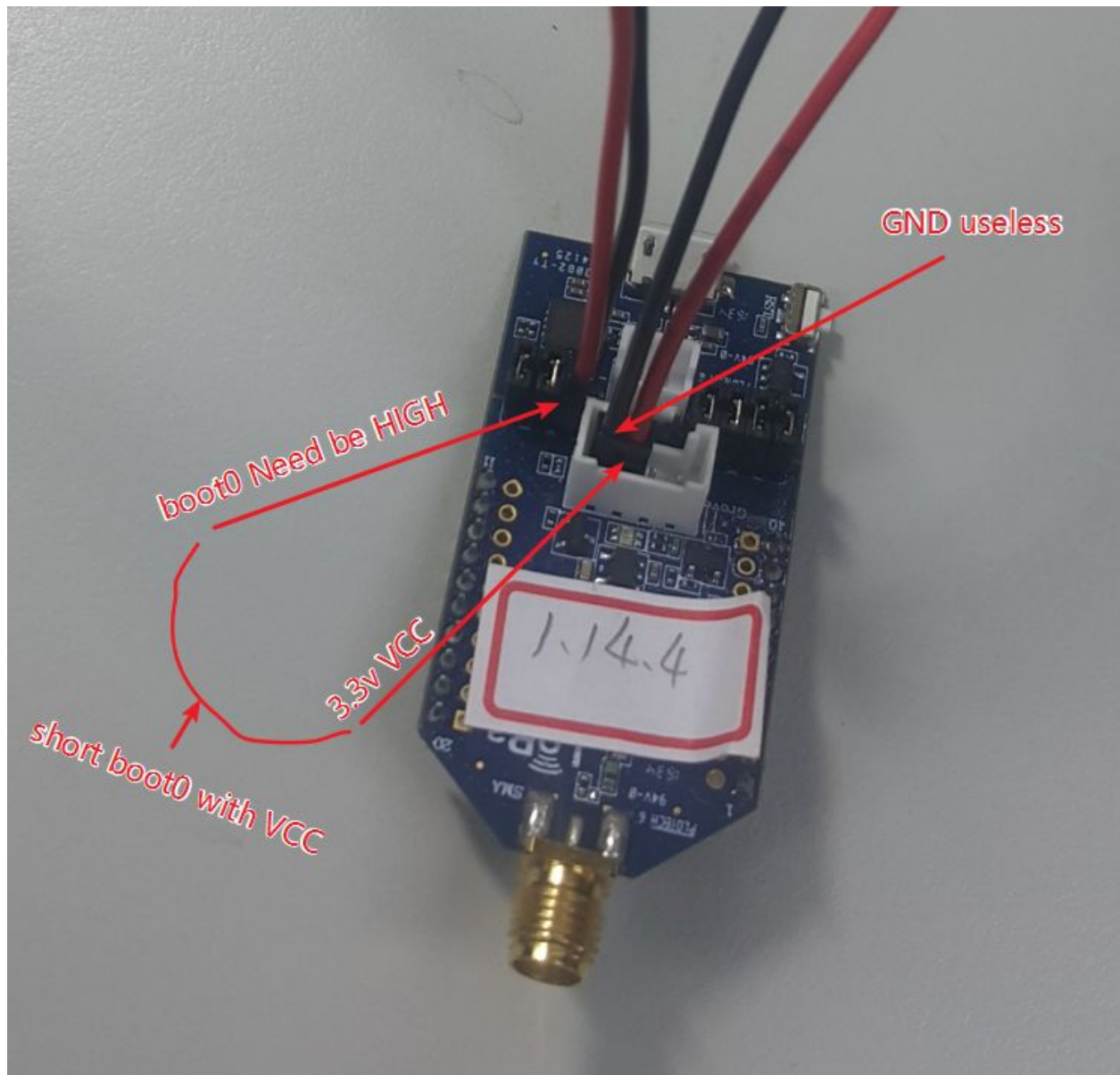
### 2.2 Pin Connet

Boot0 connet to VDD

## 2.3 GL6509



## 2.4 G76S、G78S EVK

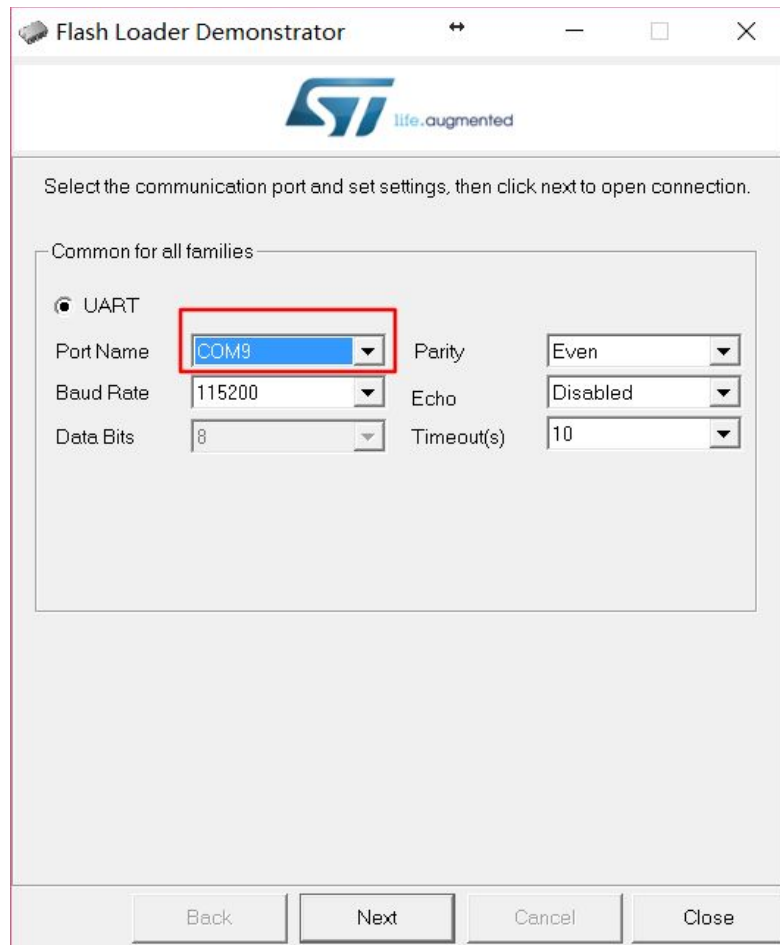


## 3. Upgrade Step

### 3.1 Power on module, MCU enter IAP mode.



## 3.2 Open Flash Loader Demonstrator 3.3 Select Com port



The image shows a screenshot of the 'Flash Loader Demonstrator' application window. The window has a title bar with the text 'Flash Loader Demonstrator' and standard Windows window controls (minimize, maximize, close). Below the title bar is a header area with the ST logo and the text 'life.augmented'. The main content area contains the instruction: 'Select the communication port and set settings, then click next to open connection.' Below this is a section titled 'Common for all families' which contains a radio button labeled 'UART' that is selected. Under the 'UART' section, there are four rows of settings, each with a label and a dropdown menu: 'Port Name' (set to 'COM9', highlighted with a red rectangle), 'Parity' (set to 'Even'), 'Baud Rate' (set to '115200'), and 'Data Bits' (set to '8'). To the right of these are two more settings: 'Echo' (set to 'Disabled') and 'Timeout(s)' (set to '10'). At the bottom of the window are four buttons: 'Back', 'Next', 'Cancel', and 'Close'.

Flash Loader Demonstrator

ST life.augmented

Select the communication port and set settings, then click next to open connection.

Common for all families

☒ UART

Port Name: COM9

Parity: Even

Baud Rate: 115200

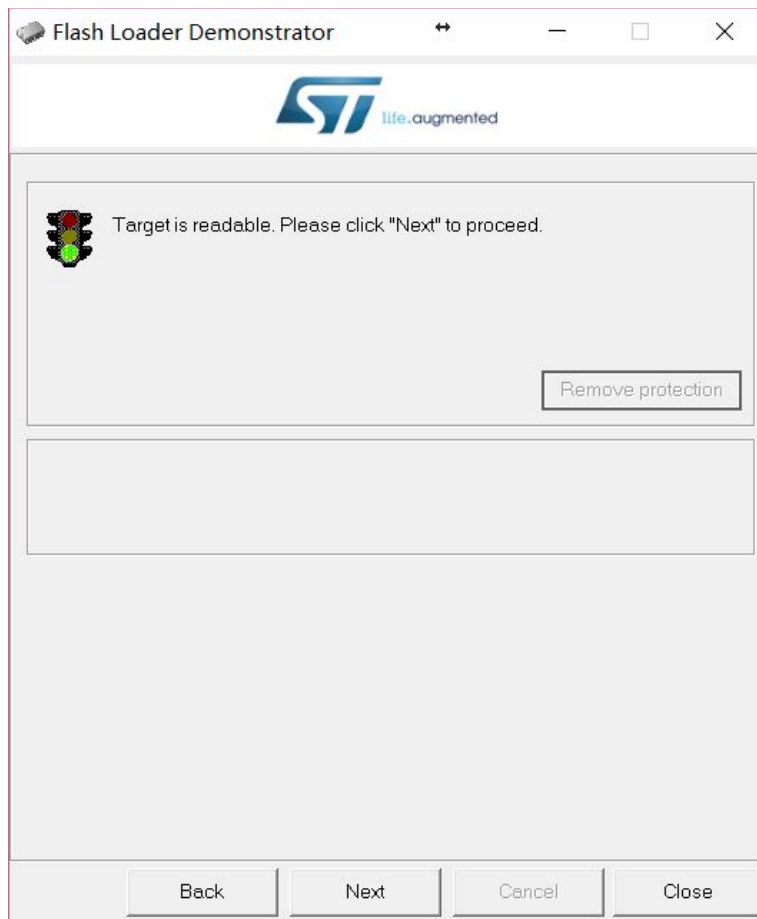
Echo: Disabled

Data Bits: 8

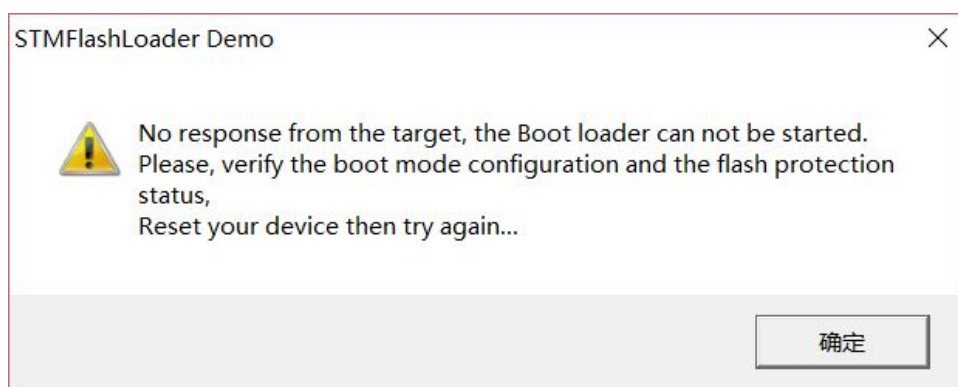
Timeout(s): 10

Back Next Cancel Close

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

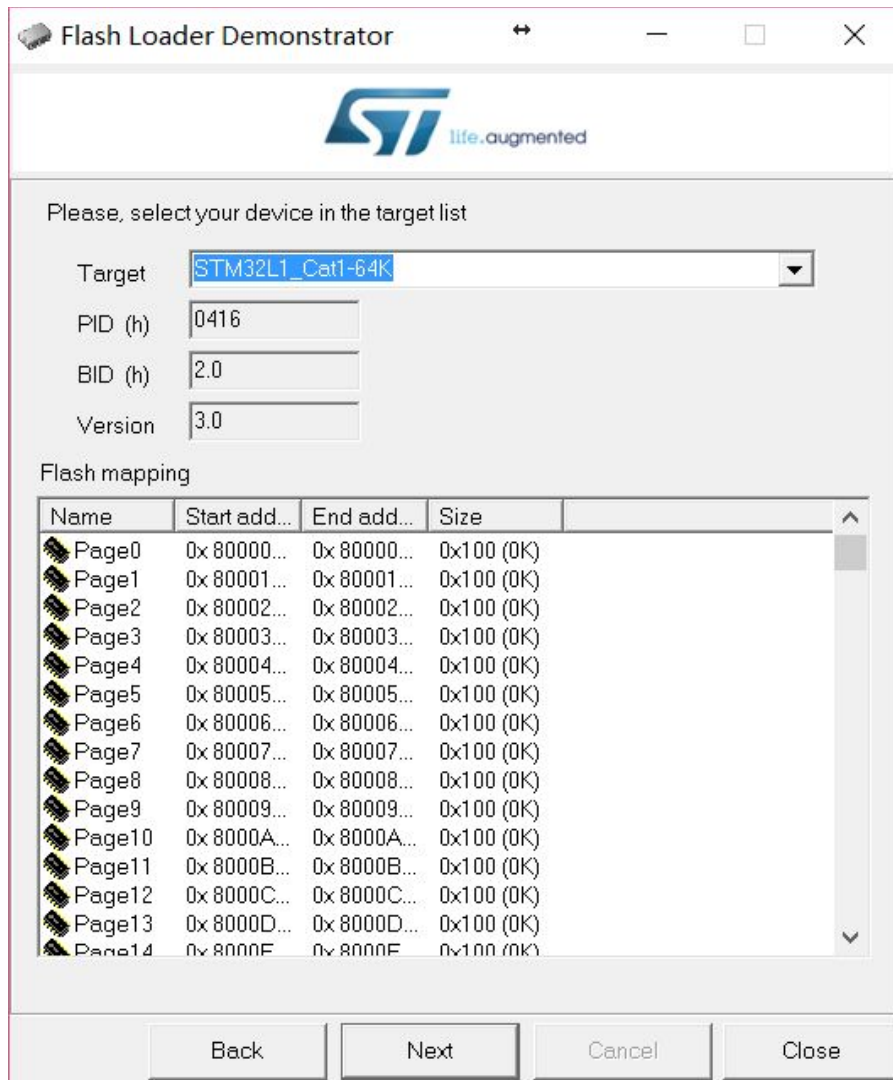


**If it is fail, show below screen. Please reset module.**



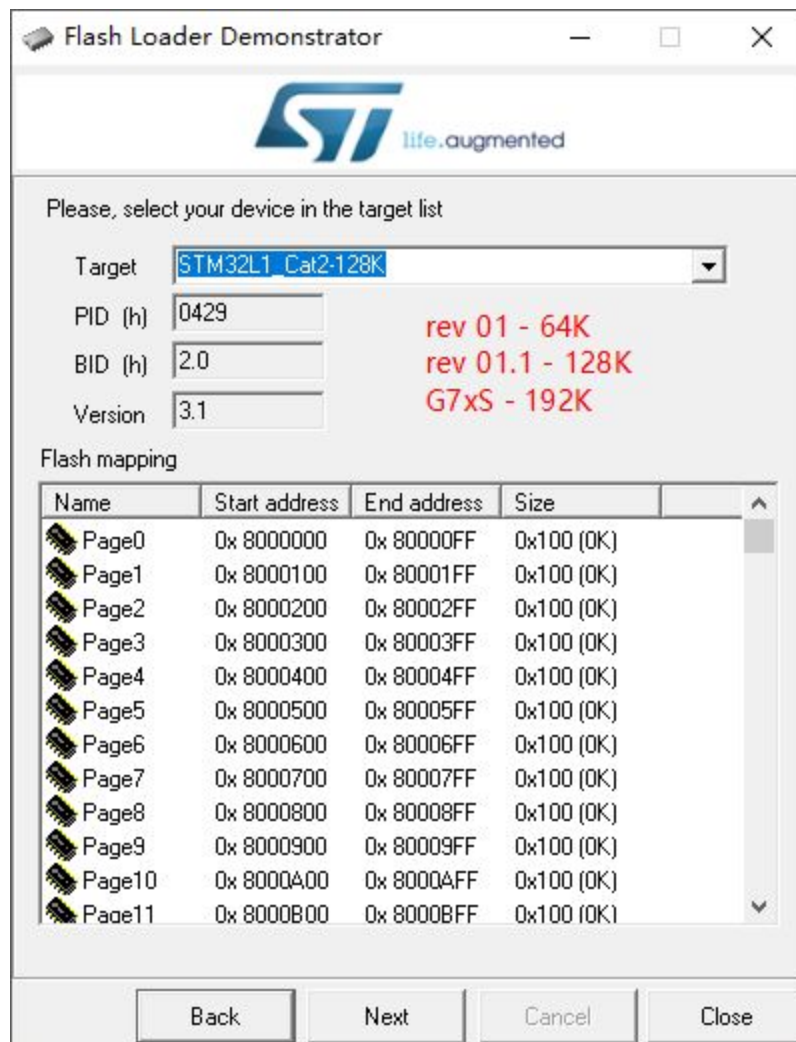
### 3.5 if GL6509 rev is 01

Select module size “STM32L1\_Cat1-64k”




if GL6509 rev 01.1


Select modules “STM32L1\_Cat1-128k”



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)
 Page14	0x 80007...	0x 80007...	0x80 (0K)

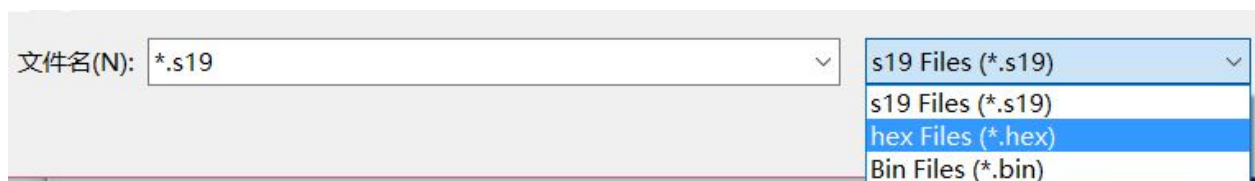
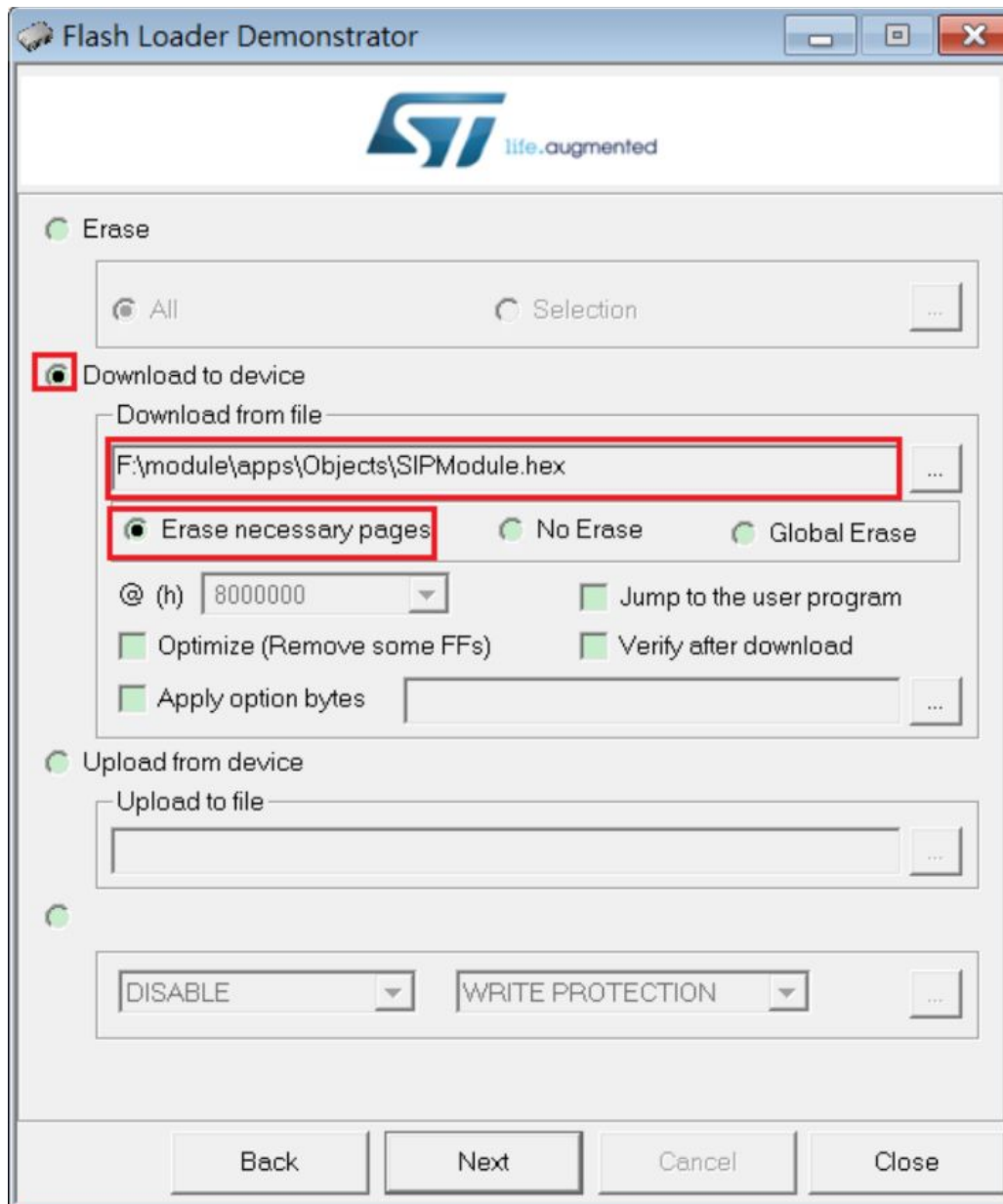
Back

Next

Cancel

Close

### 3.6 Select hex file



### 3.7 Success



### 3.8 Remove boot0 pin, and reset module