

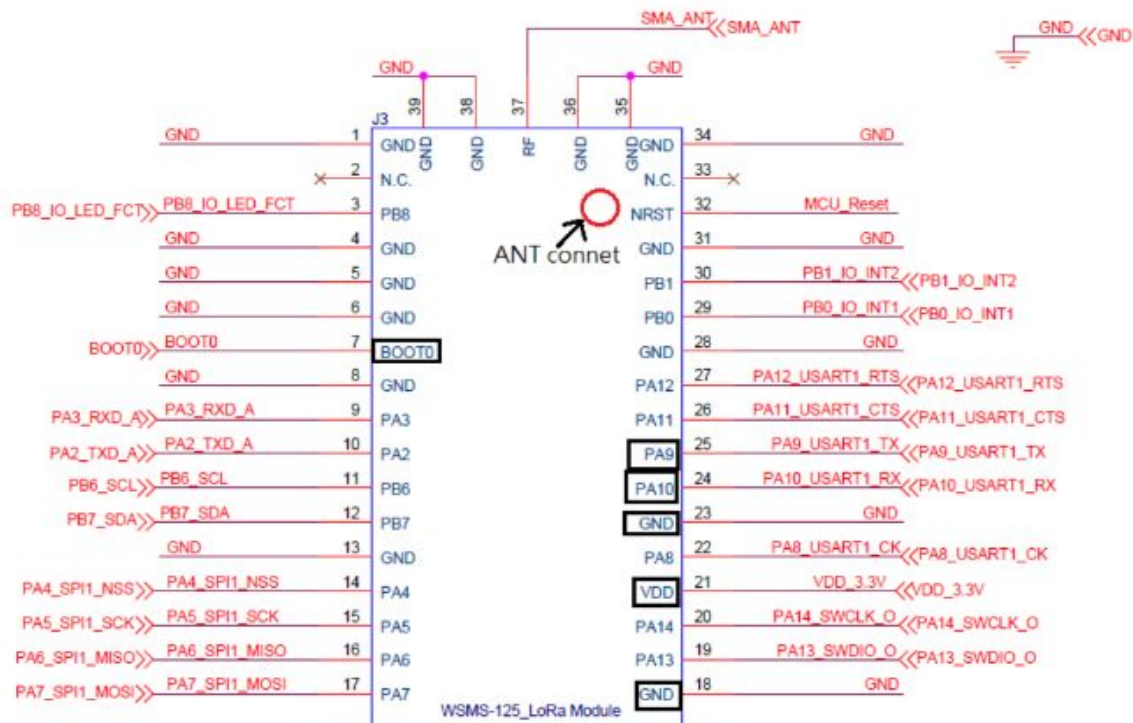
GL6509 FW Upgrade Guide

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

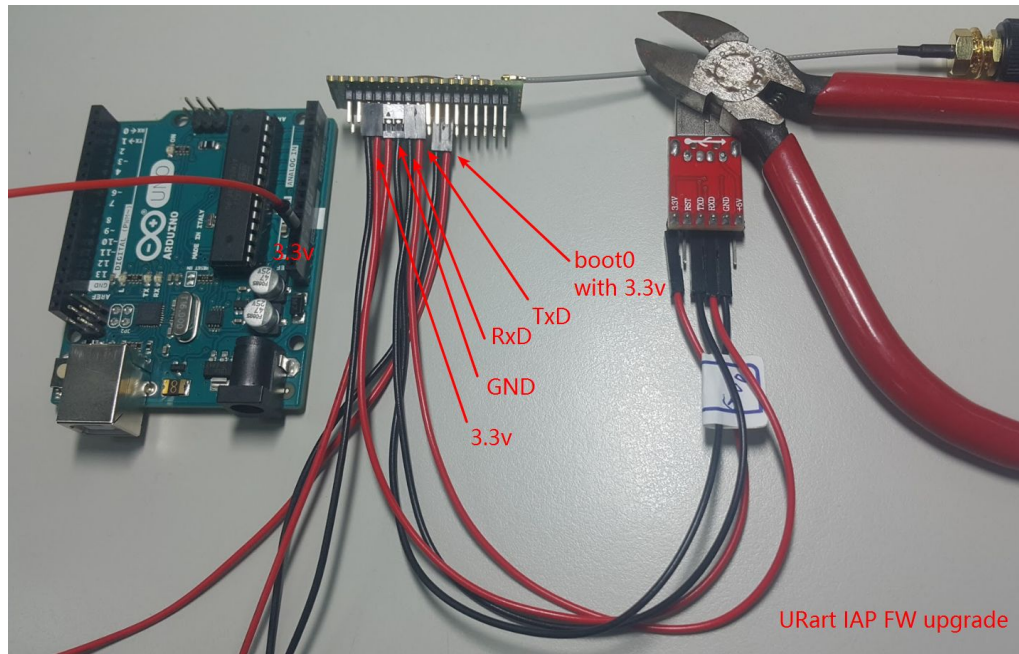
2. Hardware

2.1 Pin Define



2.2 Pin Connet

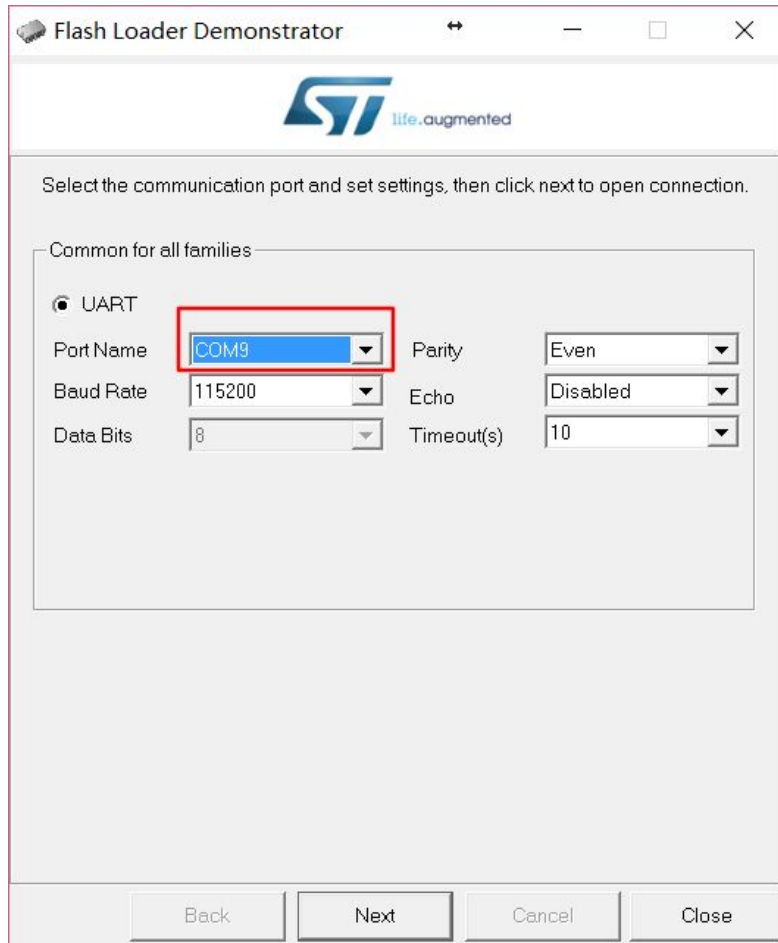
Boot0 connect to VDD



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 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. Underneath the radio button are several 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'), 'Echo' (set to 'Disabled'), 'Data Bits' (set to '8'), 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

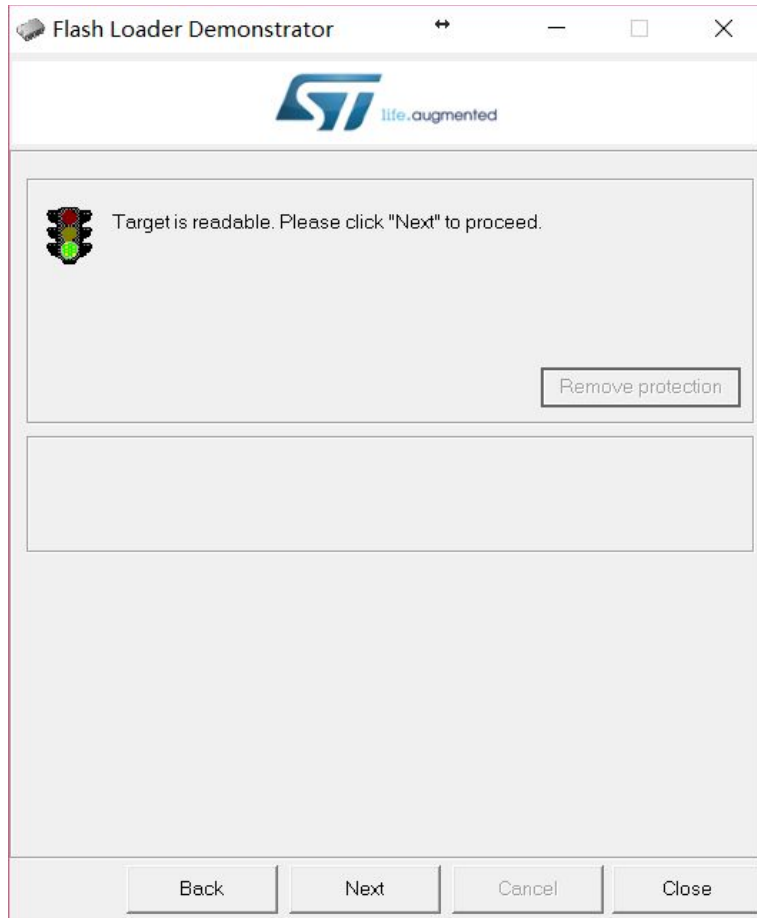
Echo: Disabled

Data Bits: 8

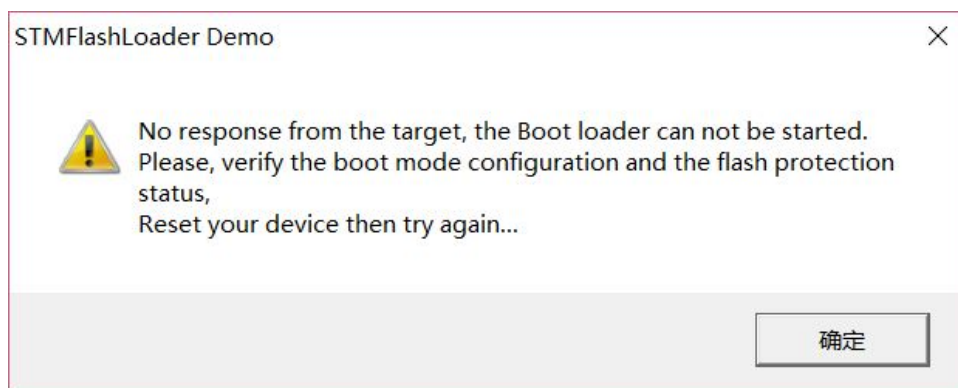
Timeout(s): 10

Back Next Cancel Close

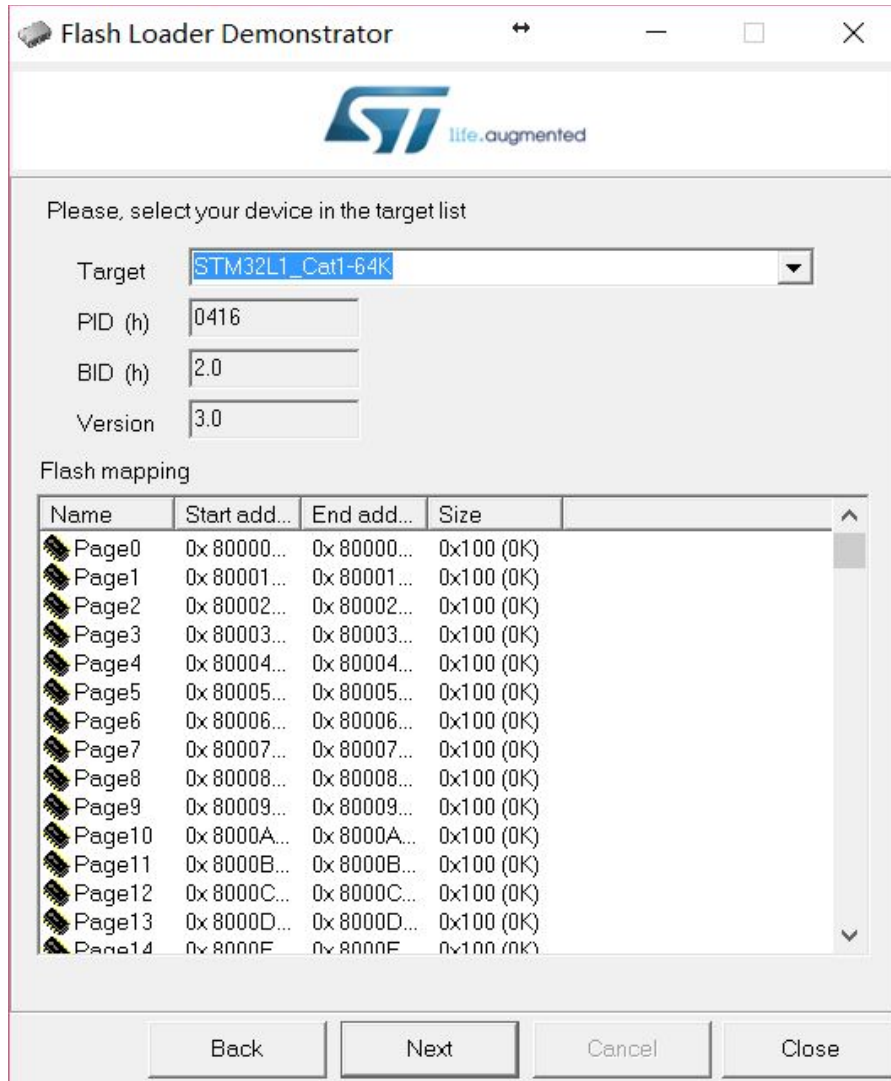
3.4 Press “Next” , check if MCU enter IAP mode. If it is ok, show below screen.



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



3.5 Select module size “STM32L1_Cat1-64k”



The image shows a software window titled "Flash Loader Demonstrator" with the ST logo and "life.augmented" text. The window prompts the user to "Please, select your device in the target list". The "Target" dropdown menu is set to "STM32L1_Cat1-64K". Below this, the "PID (h)" is 0416, "BID (h)" is 2.0, and "Version" is 3.0. A "Flash mapping" table lists 15 pages (Page0 to Page14) with their start and end addresses and sizes. The size for each page is 0x100 (0K). At the bottom, there are four buttons: "Back", "Next", "Cancel", and "Close".

Please, select your device in the target list

Target: **STM32L1_Cat1-64K**

PID (h): 0416

BID (h): 2.0

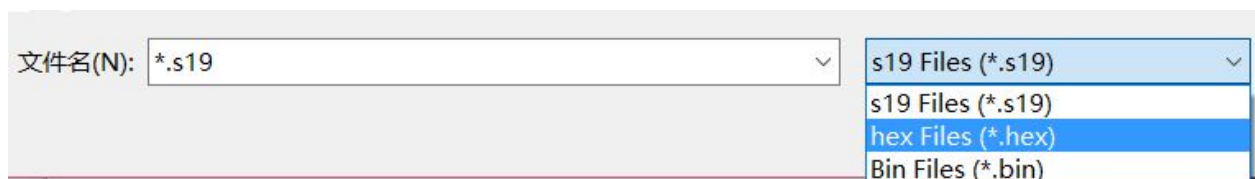
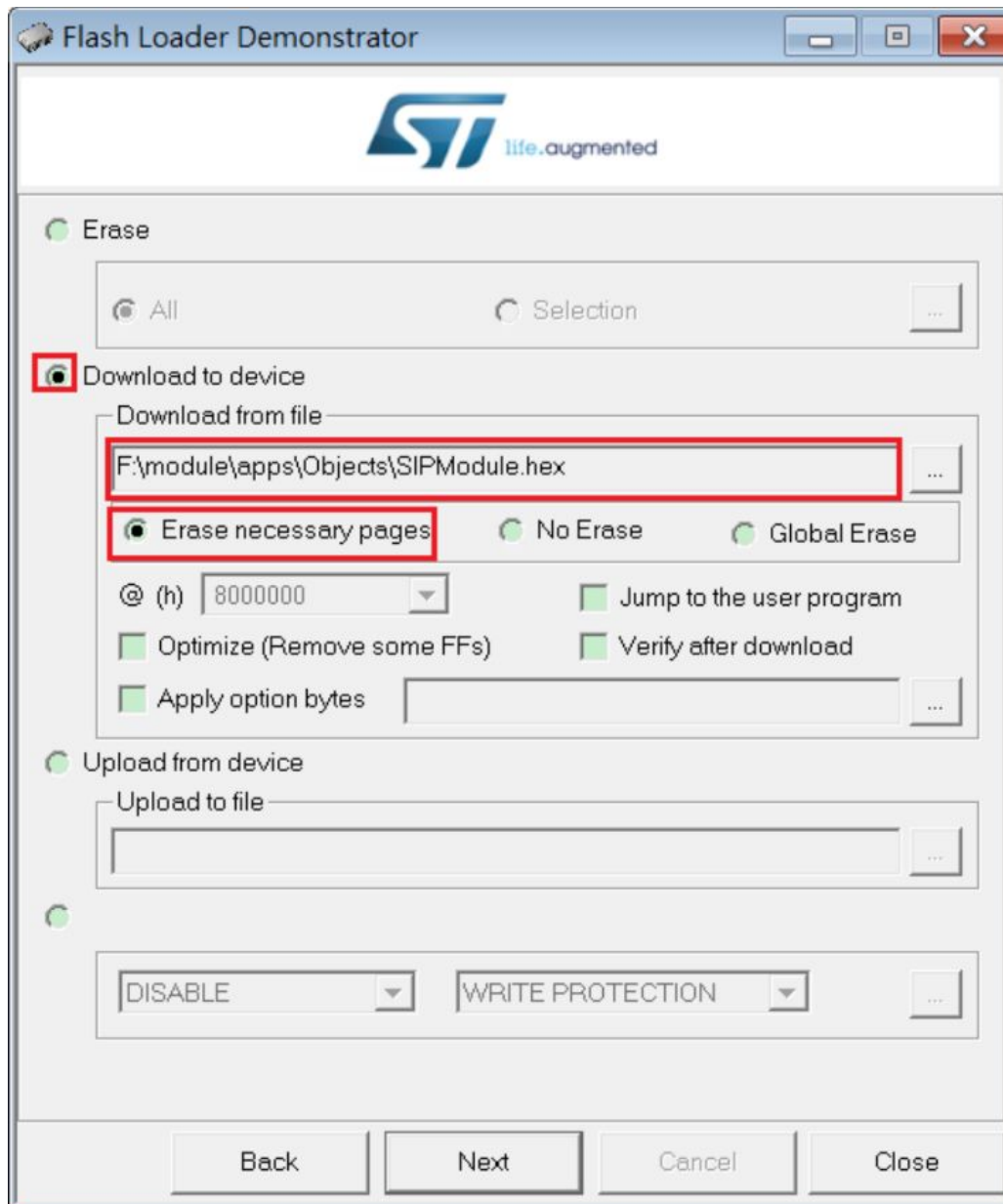
Version: 3.0

Flash mapping

Name	Start add...	End add...	Size
Page0	0x 80000...	0x 80000...	0x100 (0K)
Page1	0x 80001...	0x 80001...	0x100 (0K)
Page2	0x 80002...	0x 80002...	0x100 (0K)
Page3	0x 80003...	0x 80003...	0x100 (0K)
Page4	0x 80004...	0x 80004...	0x100 (0K)
Page5	0x 80005...	0x 80005...	0x100 (0K)
Page6	0x 80006...	0x 80006...	0x100 (0K)
Page7	0x 80007...	0x 80007...	0x100 (0K)
Page8	0x 80008...	0x 80008...	0x100 (0K)
Page9	0x 80009...	0x 80009...	0x100 (0K)
Page10	0x 8000A...	0x 8000A...	0x100 (0K)
Page11	0x 8000B...	0x 8000B...	0x100 (0K)
Page12	0x 8000C...	0x 8000C...	0x100 (0K)
Page13	0x 8000D...	0x 8000D...	0x100 (0K)
Page14	0x 8000E...	0x 8000E...	0x100 (0K)

Back Next Cancel Close

3.6 Select hex file



3.7 Success



3.8 Remove boot0 pin, and reset module