

MUB5 固件升级教程

Firmware Upgrade Instructions

1、安装固件升级软件：

先把下载的固件包解压缩。然后根据自己的电脑平台选择文件夹“升级软件Firmware Upgrade software”下对应的软件STM32CubeProgrammer。

Windows电脑根据自己系统是64位还是32位来选择软件..._win64.exe或..._win32.exe（在电脑桌面上“我的电脑”上点鼠标右键，选择“属性”，在弹出的窗口可以查看系统类型是64位还是32位）。

苹果电脑的app需要单独联系我们。

双击软件以开始安装，安装步骤参考下面的图示。

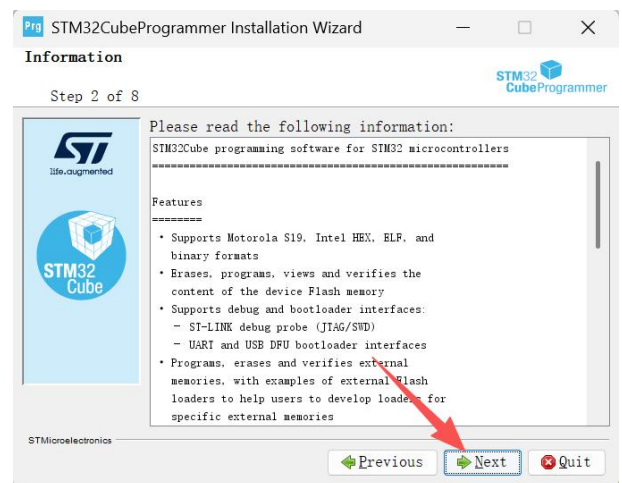
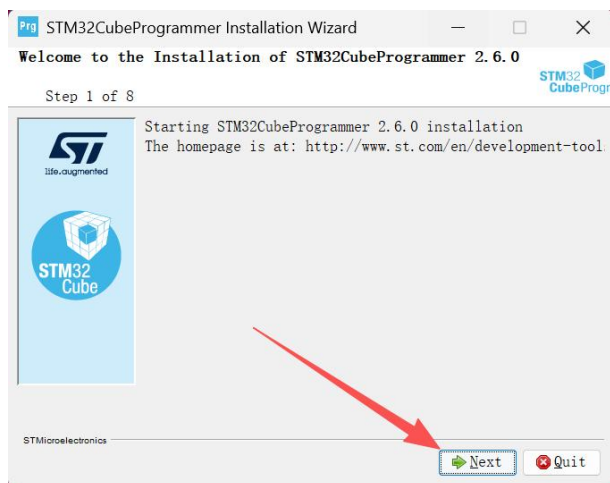
Install the firmware upgrade software:

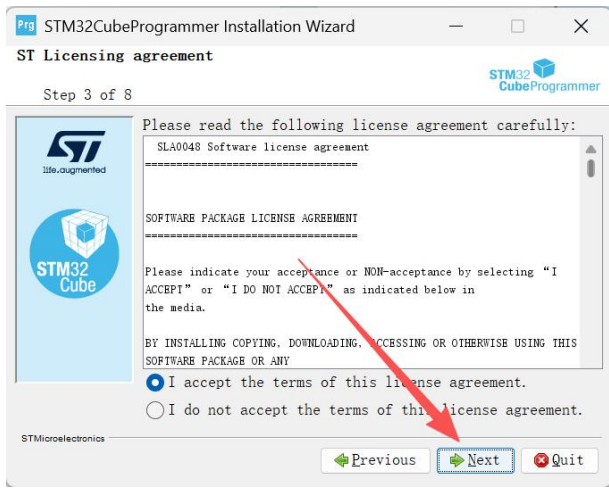
First, decompress the downloaded firmware package. Then, select the corresponding STM32CubeProgrammer software from the "升级软件Firmware Upgrade software" folder based on your computer platform.

For Windows computers, choose the ..._win64.exe or ..._win32.exe software depending on whether your system is 64-bit or 32-bit (right-click "My Computer" on the desktop, select "Properties," and check the system type in the pop-up window to see if it is 64-bit or 32-bit).

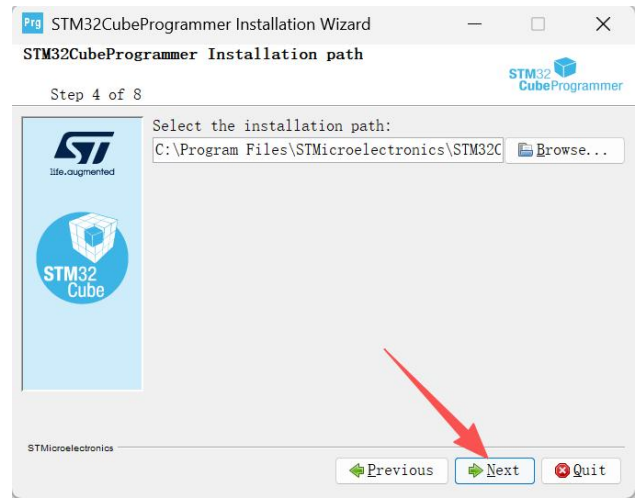
The Mac computer app requires contacting us separately.

Double-click the software to start the installation. Refer to the illustrations below for the installation steps.

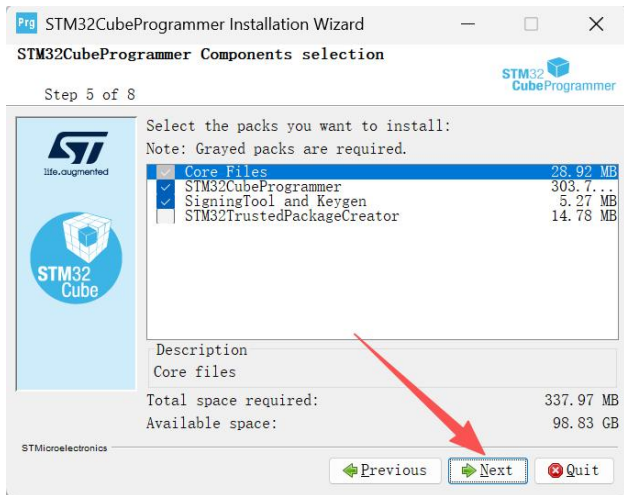




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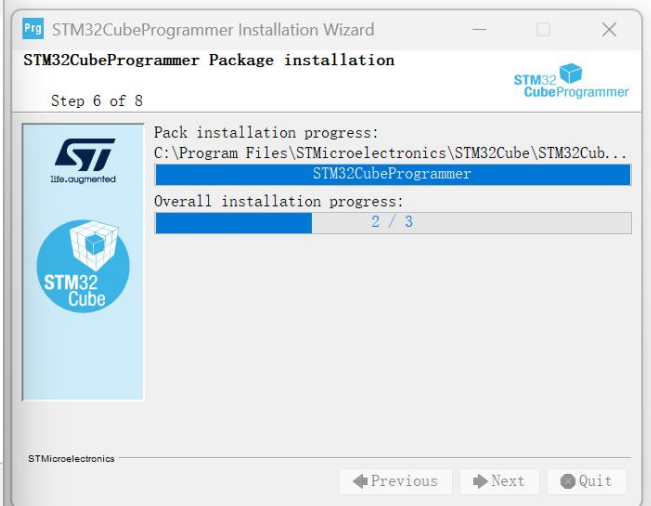
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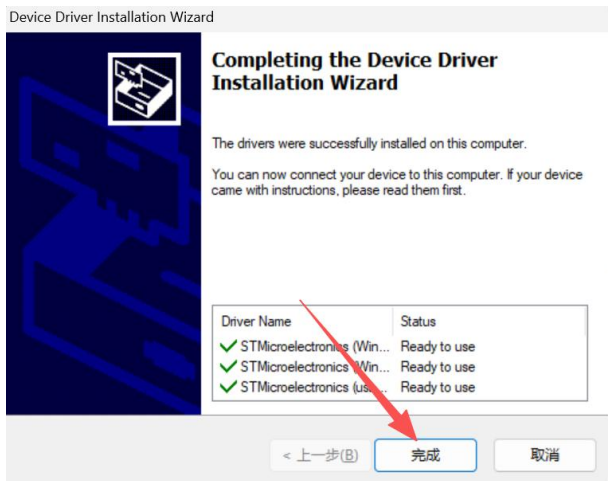
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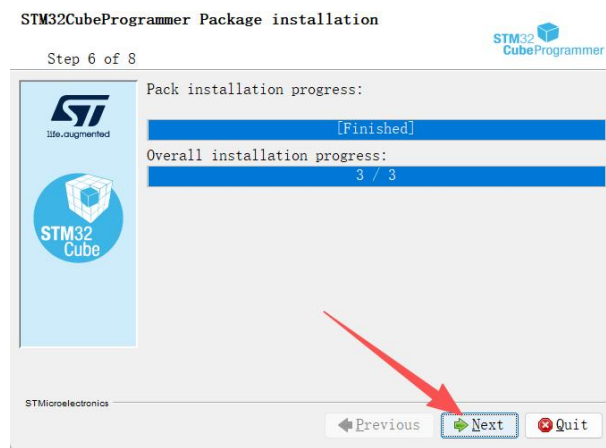
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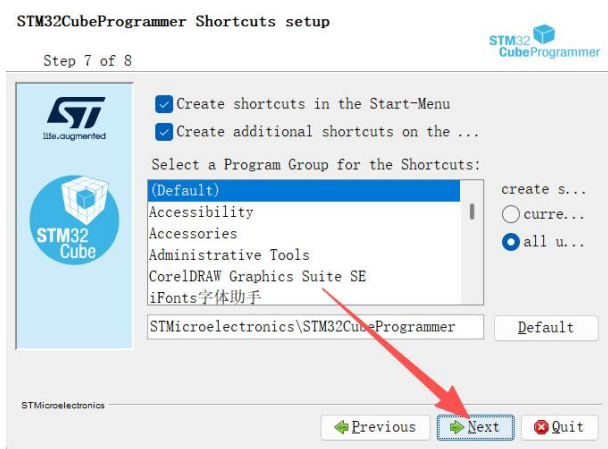
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此时，固件升级软件已经安装成功。

The firmware upgrade software has been successfully installed.

2、使用 MUB5 包装里配套那条连接电脑的 USB-A to Type-C 的 USB 线，A 口插头插入电脑 USB 端口（为确保升级顺利，请尽量使用电脑 CPU 原生 USB 口，而非扩展口）。

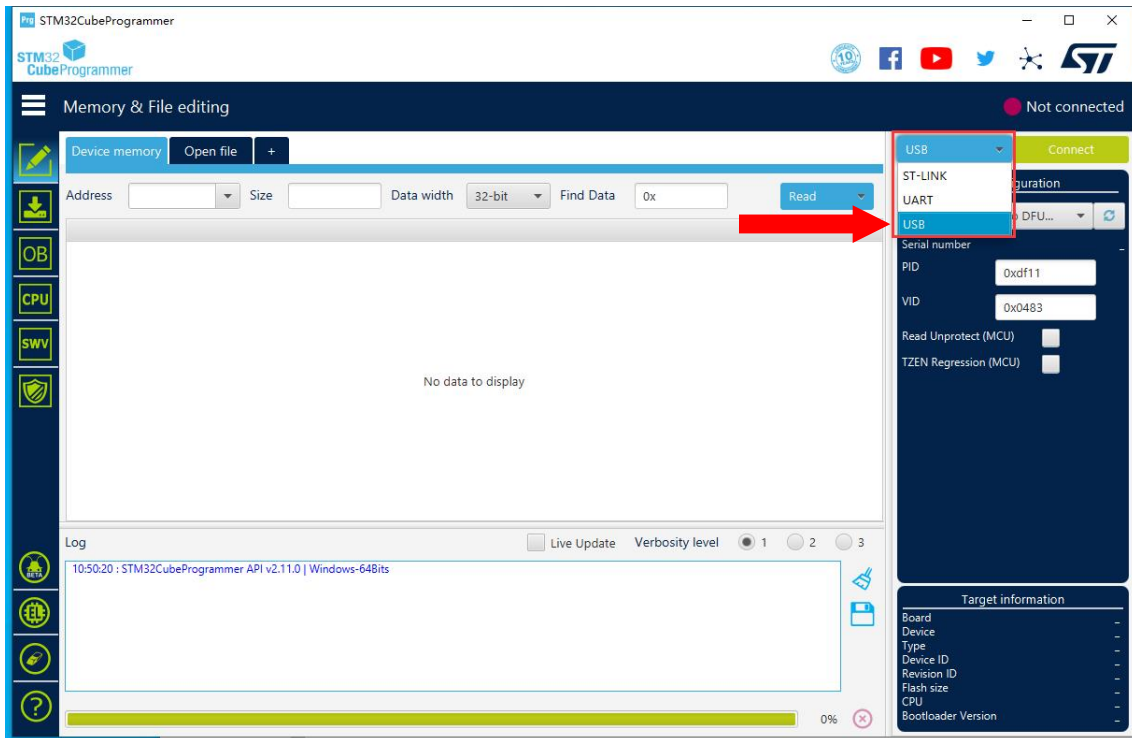
Use the USB-A to Type-C cable included in the MUB5 packaging to connect to the computer. Insert the USB-A plug into a USB port on the computer (to ensure a smooth upgrade, please use a native USB port on the computer's CPU rather than an expansion port).

3、在 MUB5 关机状态下，长按住 MUB5 主机侧面的升级键【下一曲 ▽】不要松，同时用连接电脑那条 USB 线的 TYPE-C 插头插入 MUB5 主机上的【CHARGE】插口，等 3-5 秒后再松开升级键。**注意：升级键是靠近锁键开关那个。**

With the MUB5 powered off, press and hold the firmware upgrade button 【Next Track ▽】 on the side of the MUB5 host without releasing it. At the same time, insert the Type-C plug of the USB cable connected to the computer into the 【CHARGE】 port on the MUB5 host. Wait 3-5 seconds before releasing the upgrade button. **Note: The upgrade button is the one closest to the lock switch.**

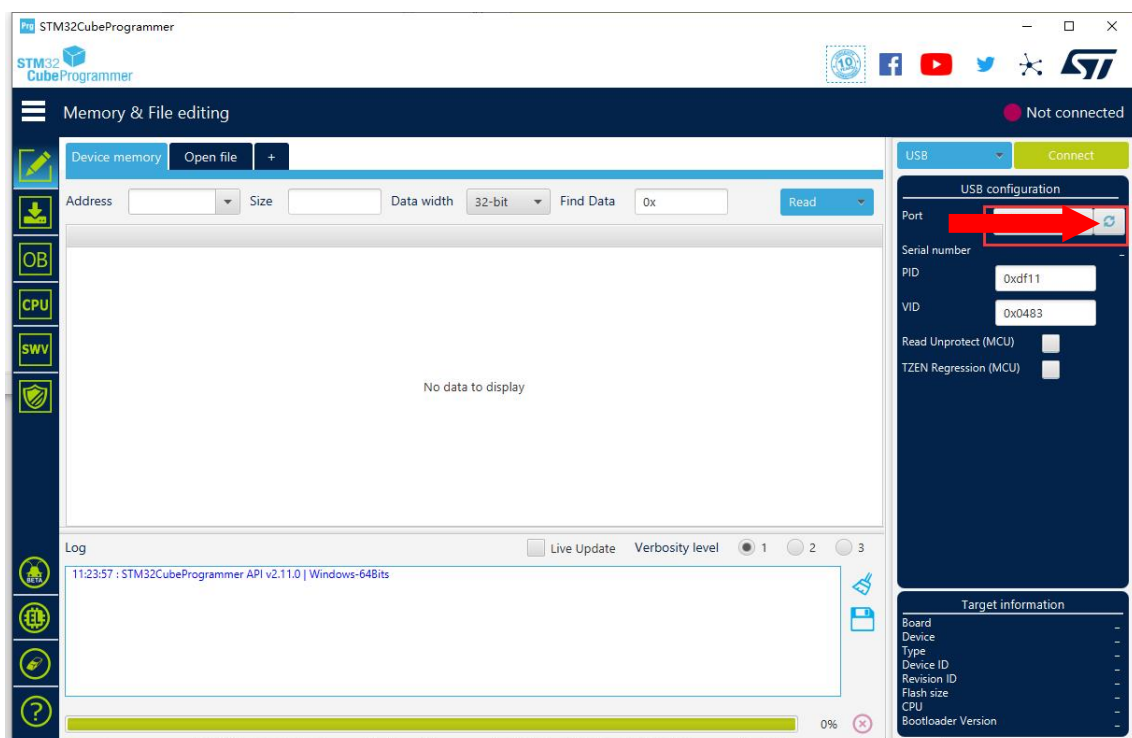
4、双击电脑桌面上安装好的 STM32CubeProgrammer 软件的快捷方式，打开此软件。在打开的软件上，选择通讯方式为“USB”，如下图：

Double-click the shortcut for the installed STM32CubeProgrammer software on the desktop to open it. In the opened software, select the communication method as "USB," as shown in the figure below:



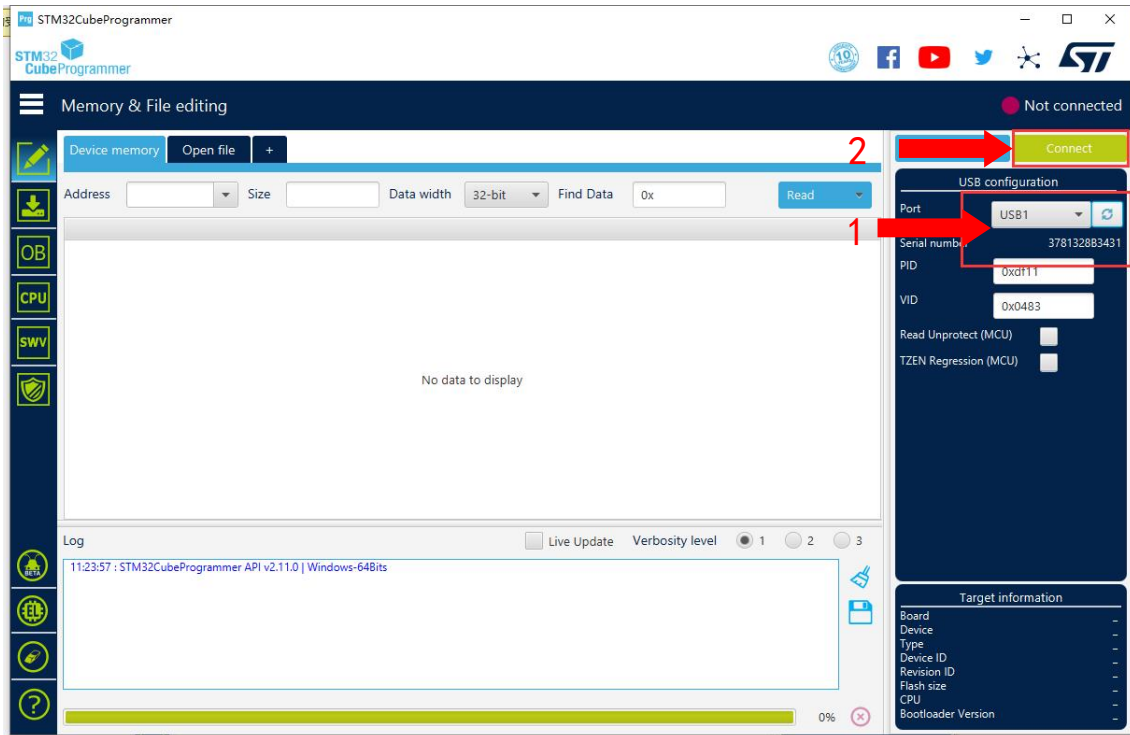
5、点击 Port 最右边的【刷新】图标，Port 的下拉方框内会自动选择到或者我们手动选择到“USB...”。

Click the Refresh icon on the far right of Port, and the dropdown box for Port will automatically select "USB..." or you can manually select "USB...".



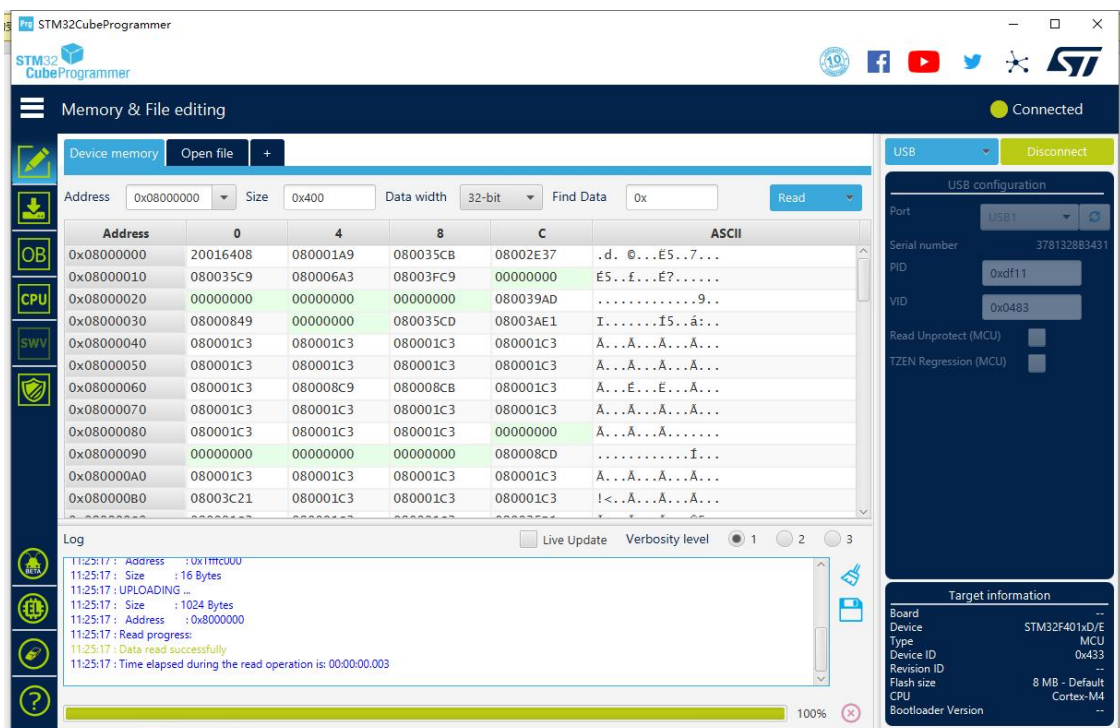
6、选择好端口以后，点击“Connect”按钮连接 MUB5。

After selecting the port, click the "Connect" button to connect to the MUB5.



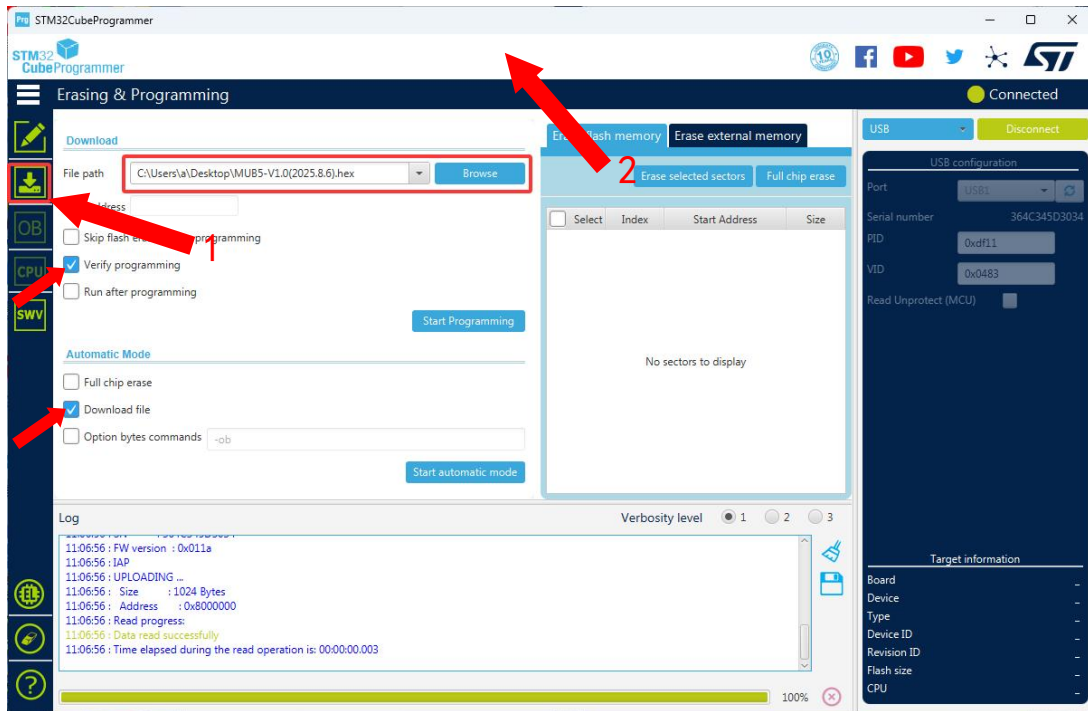
7、下图是 MUB5 与软件建立连接成功的图示。（如果连接不成功请尝试更换 USB 线/更换电脑端口/重复并正确的操作上面步骤）。

The figure below shows a successful connection between the MUB5 and the software. (If the connection is unsuccessful, please try replacing the USB cable / changing the computer port / repeating and correctly performing the steps above.)



8、点击左边竖排第二个图标按钮“Download”，在弹出的新窗口点击“Browse”去选择我们要升级的固件文件，比如 MUB5-V2.6H1.hex。

Click the second icon button "Download" in the vertical column on the left. In the new window that pops up, click "Browse" to select the firmware file we want to upgrade, such as MUB5-V2.6H1.hex.

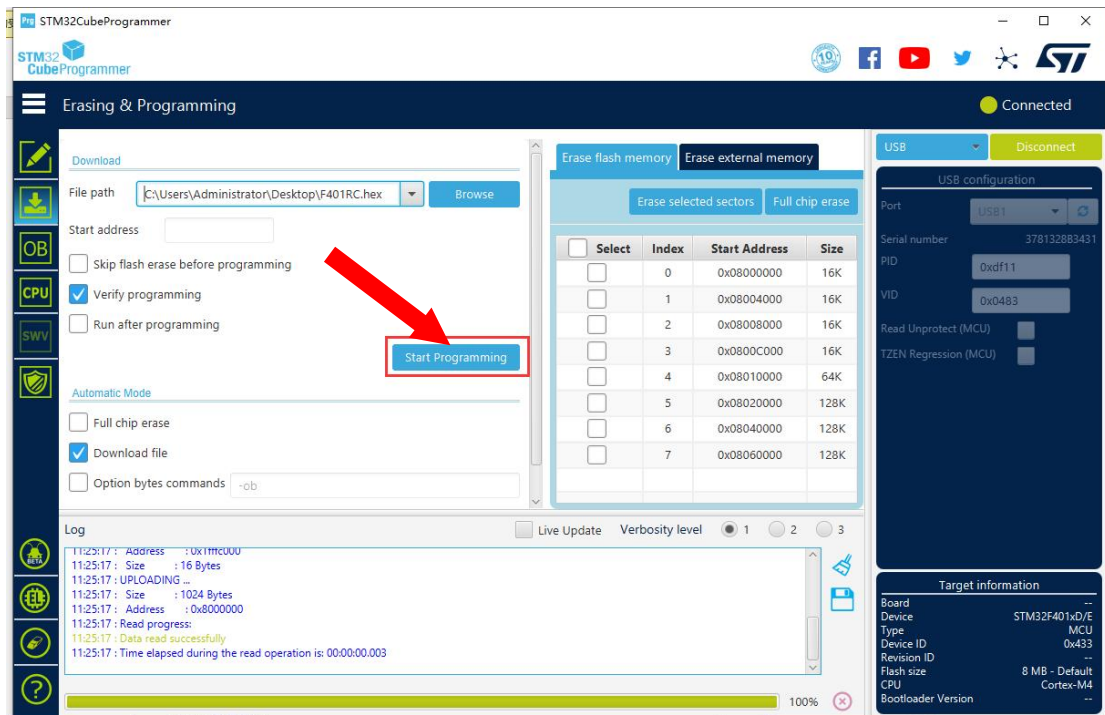


在窗口上将“Verify programming”与“Download file”前面选上钩。

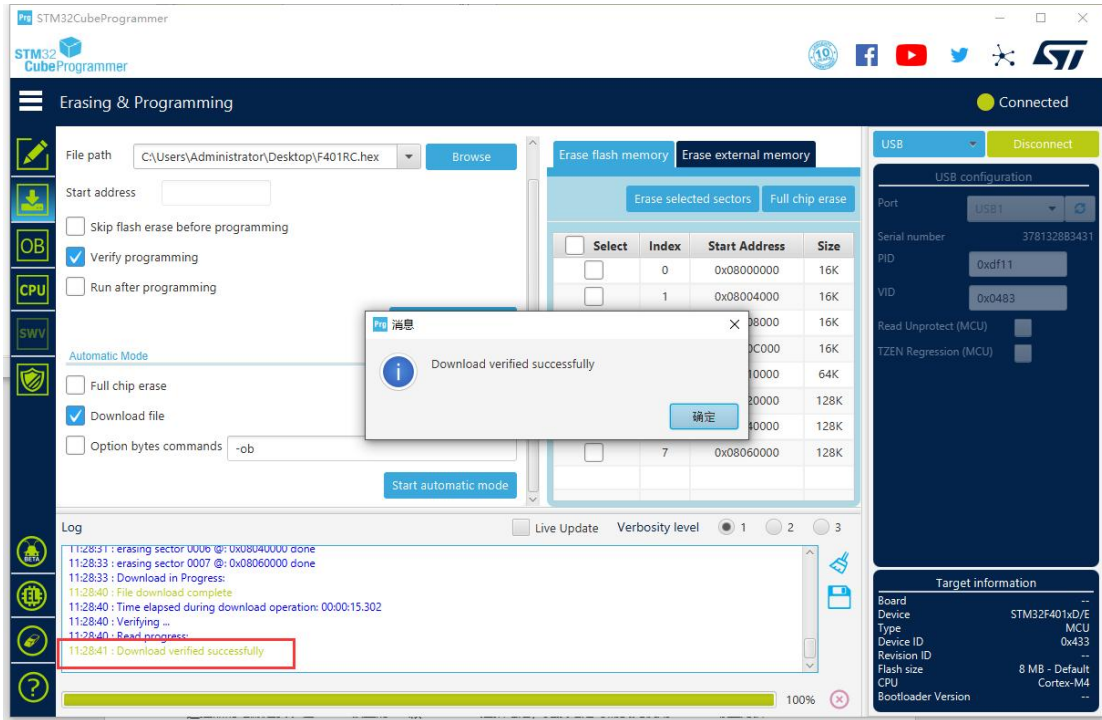
Check the boxes for "Verify programming" and "Download file" in the window.

9、点击“Start Programming”按钮开始升级。

Click the "Start Programming" button to begin the upgrade.



10、升级成功会有如下图的提示。如果升级失败请重新升级（可以尝试更换一条 USB 线或更换 USB 端口）。
A successful upgrade will display a prompt as shown in the figure below. If the upgrade fails, please retry (you can try replacing the USB cable or changing the USB port).



11、升级完成以后，拔出连接 MUB5 升级用的 USB 线。

After the upgrade is complete, remove the USB cable used for upgrading the MUB5.

12、同时长按住 MUB5 主机侧面的【上一曲 \triangleleft 】与【下一曲 \triangleright 】两个按键，5-10 秒后再松开。

Press and hold the 【[Previous Track \triangleleft 】 and 【[Next Track \triangleright 】 buttons on the side of the MUB5 host simultaneously for 5-10 seconds, then release.

13、请再等待 10-20 秒，啥也不用做，然后长按住 MUB5 主机侧面的电源键 5-10 秒，直到 MUB5 正常开机（屏幕有显示），本次升级完成。

Please wait another 10-20 seconds without doing anything. Then press and hold the power button on the side of the MUB5 host for 5-10 seconds until the MUB5 boots up normally (screen displays). This firmware upgrade is now complete.

其他说明 Other Notes:

1、升级完成以后，在 MUB5 菜单上点击 About 上方的 MUB5 字样图标，我们能看到当前机器的固件版本。

After the upgrade is complete, click the MUB5 icon above "About" in the MUB5 menu to see the current firmware version of the device.

2、固件版本之间无先后顺序，可以任意升级。

There is no sequential order between firmware versions; you can upgrade to any version.

3、您有任何升级方面的问题，欢迎用邮件联系我们：cxqmcu@cxqmcu.com 联系人是 Clark。

If you have any questions regarding the upgrade, please feel free to contact us via email at cxqmcu@cxqmcu.com. The contact person is Clark.