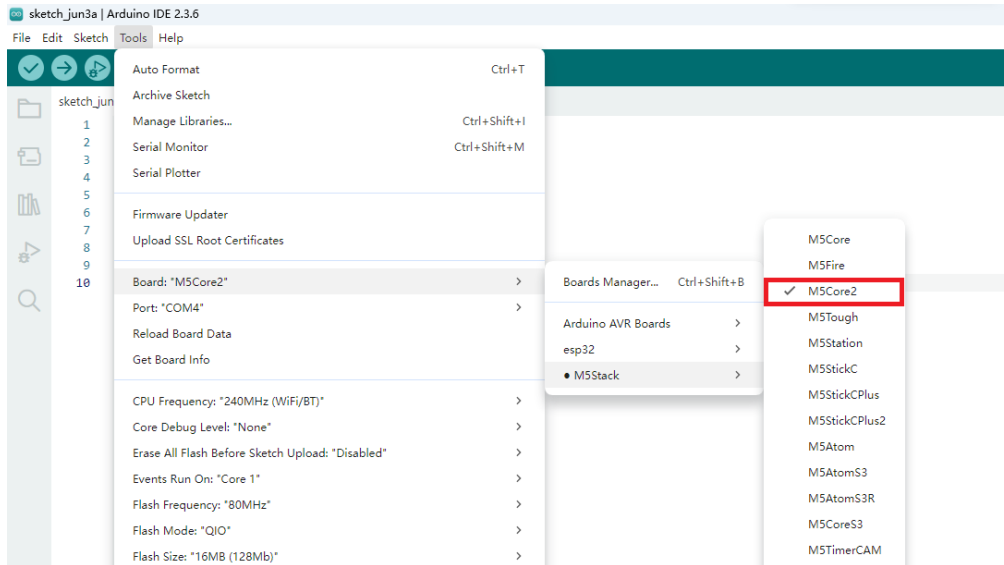


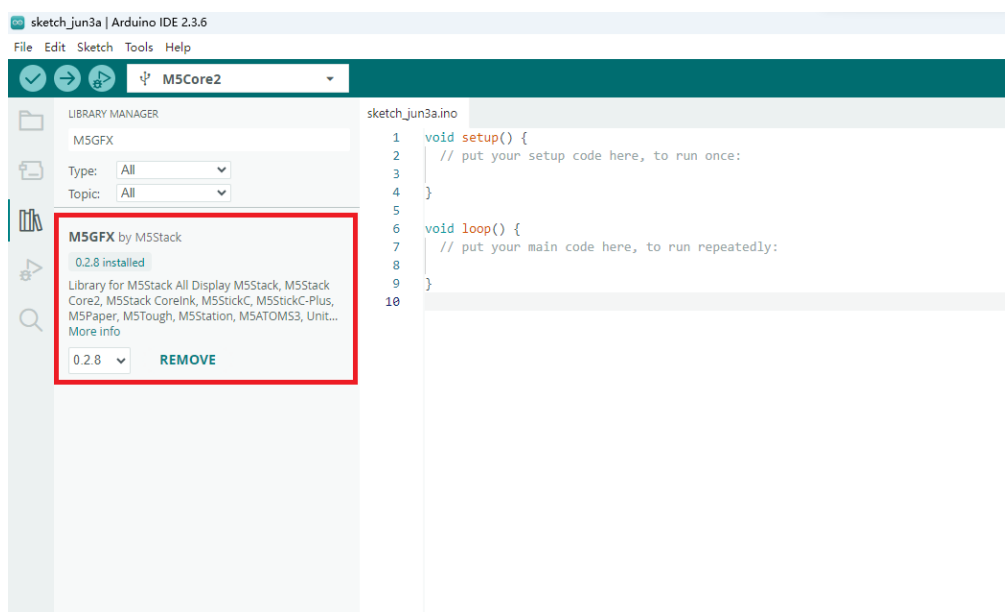
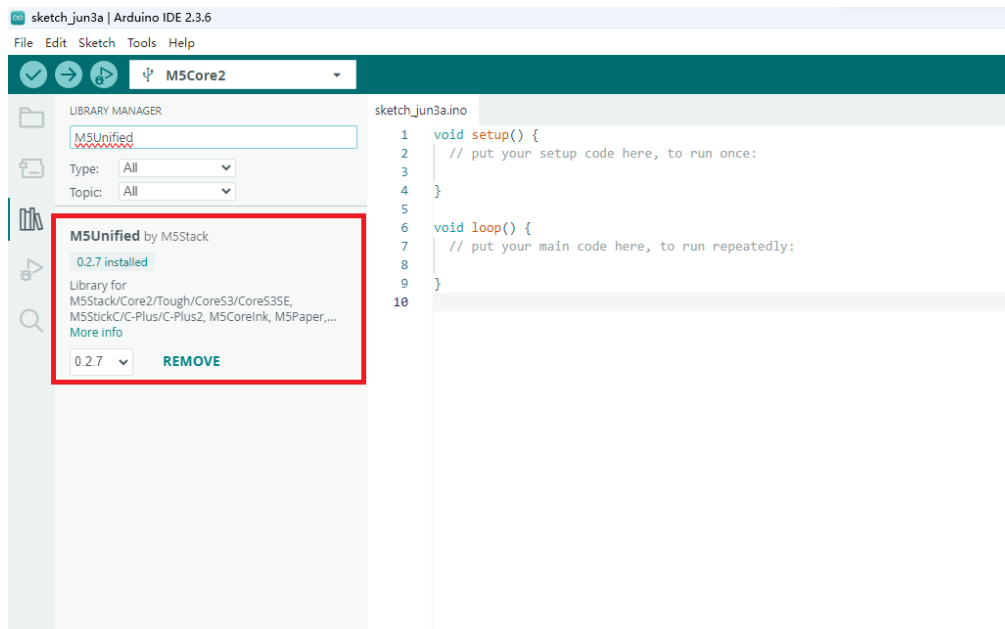
Core2 Arduino Program Compilation & Upload

1. Preparation

- 1. Arduino IDE Installation: Refer to [Arduino IDE Installation Guide](#) to complete the IDE installation.
- 2. Board Manager Installation: Refer to [Basic Environment Setup Guide](#) to complete the M5Stack board manager installation and select the development board **M5Core2**.



- 3. Library Installation: Refer to the [Library Management Installation Guide](#) to complete the installation of the **M5Unified** and **M5GFX** driver libraries, and follow the prompts to install all the required libraries.



2.USB Driver Installation

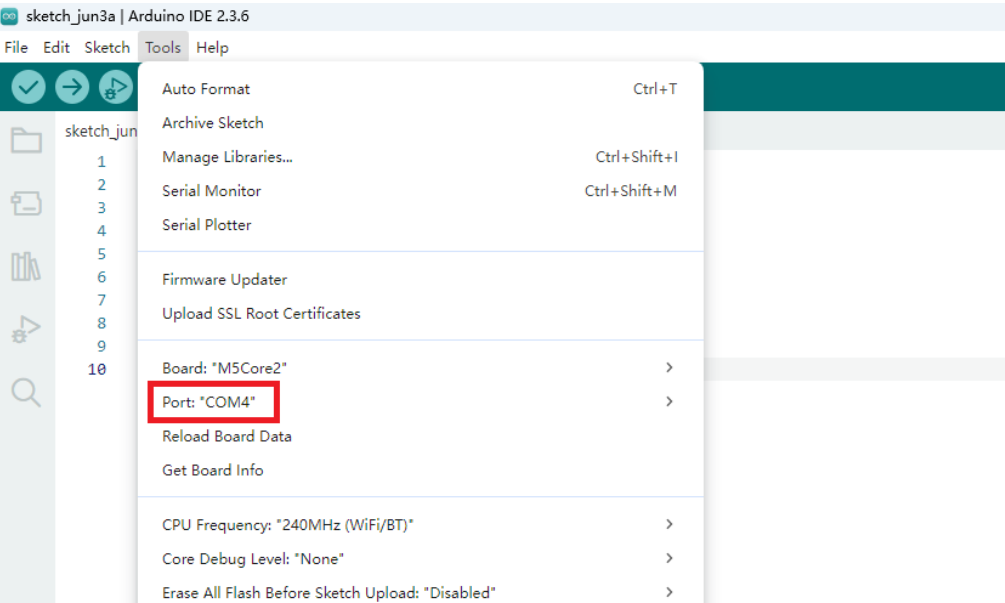
Driver Installation Tip

Click the link below to download the driver matching your operating system. There are currently two versions of the driver chip, CP210X (for the **CP2104** version) and CP34X (for the **CH9102** version). After unzipping the package, select the installation package corresponding to your operating system and proceed with the installation. (If you are unsure which USB chip your device uses, you can install both drivers. **CH9102_VCP_SER_MacOS v1.7** may show an error during installation, but it has actually completed successfully, so you can ignore the error.)

Driver Name	Applicable Driver Chip	Download Link
CP210x_VCP_Windows	CP2104	Download
CP210x_VCP_MacOS	CP2104	Download
CP210x_VCP_Linux	CP2104	Download
CH9102_VCP_SER_Windows	CH9102	Download
CH9102_VCP_SER_MacOS v1.7	CH9102	Download

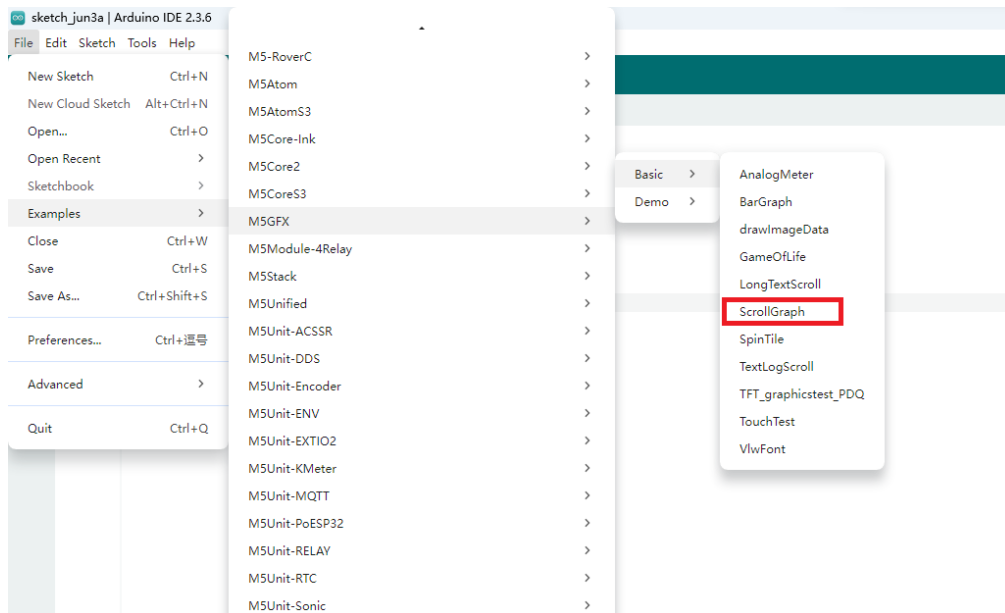
3.Port Selection

Connect the device to the computer via a USB cable. After completing the driver installation, select the corresponding device port in the Arduino IDE.



4.Program Compilation & Upload

Open the example program "ScrollGraph" in the driver library, click the upload button, and the program will be automatically compiled and uploaded.



The example program runs as follows:

[Core2_Arduino_demo.mp4](#)

5.Related Resources

○ Arduino Library

- [M5Unified](#)
- [M5GFX](#)

○ Arduino API & Examples

- [Battery](#)
- [Button](#)
- [Display](#)
- [IMU](#)
- [microSD](#)
- [RTC](#)

- Touch
- Wakeup