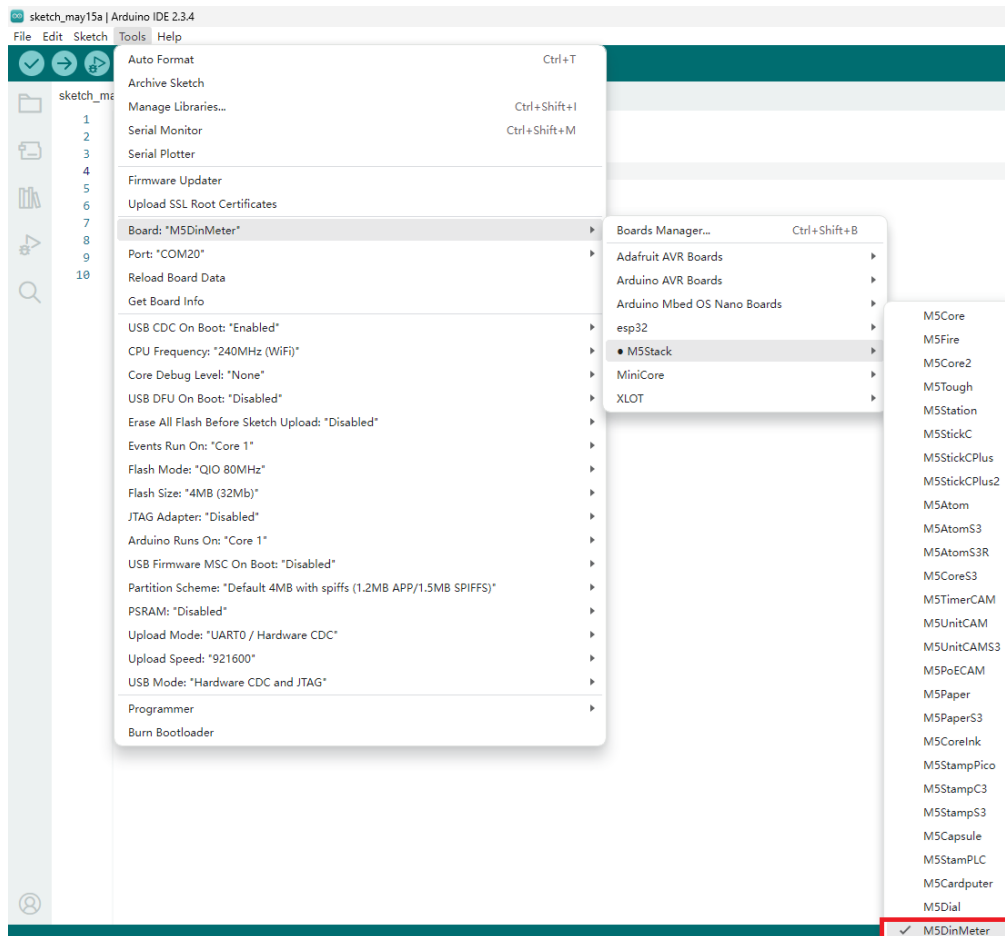


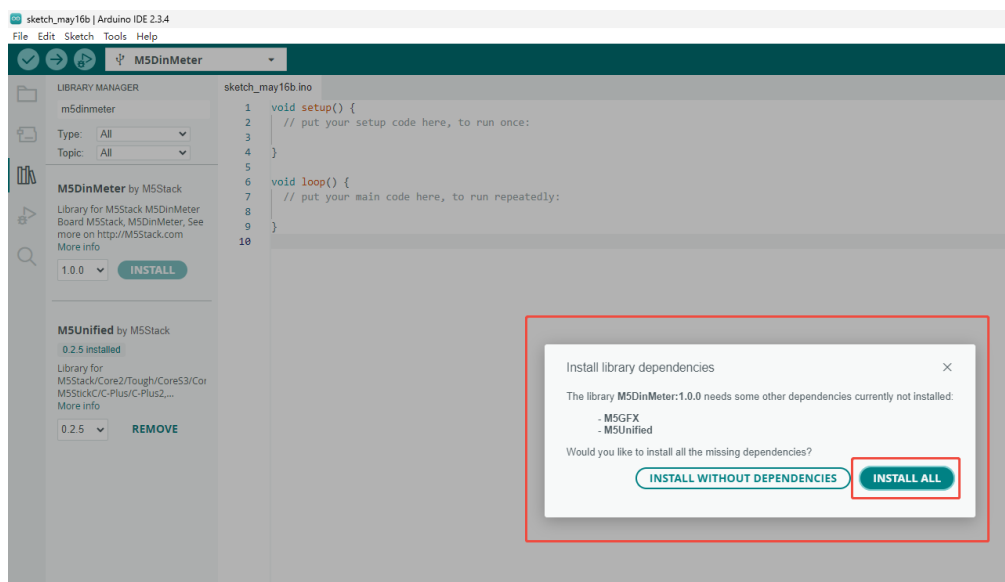
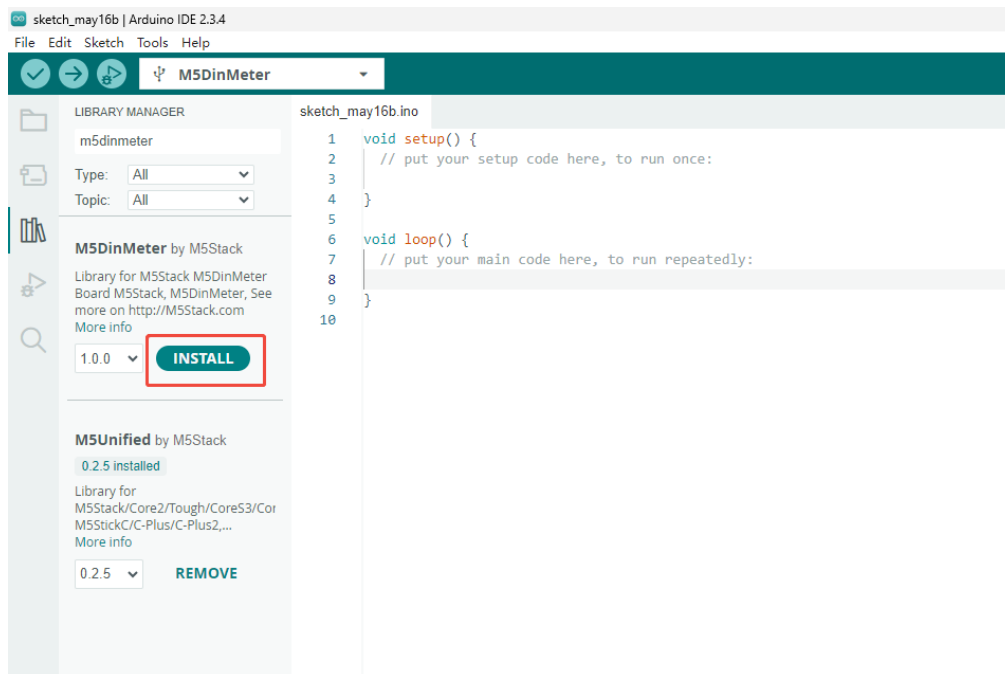
DinMeter Arduino Program Compilation & Upload

1. Preparation

- 1. **Arduino IDE installation:** Refer to [Arduino IDE Installation Guide](#) to complete the IDE setup.
- 2. **Board Manager installation:** Refer to [Basic Environment Setup Guide](#) to install the M5Stack Board Manager and select the M5DinMeter board.



- 3. **Dependency library installation:** Refer to [Library Manager Installation Guide](#) to install the M5Unified, M5GFX and M5DinMeter driver libraries.



2. Operation Instructions

Power On/Off Operation

Power on: Wake up by pressing the “WAKE” button or via an RTC timer IRQ signal. After the wake-up trigger, your **setup()** must drive the HOLD pin (G46) high to maintain power; otherwise the device will immediately re-enter sleep. **Power off:** Without USB external power, press the RST button; or in software, set HOLD (GPIO46) = 0 to cut power when no USB supply.

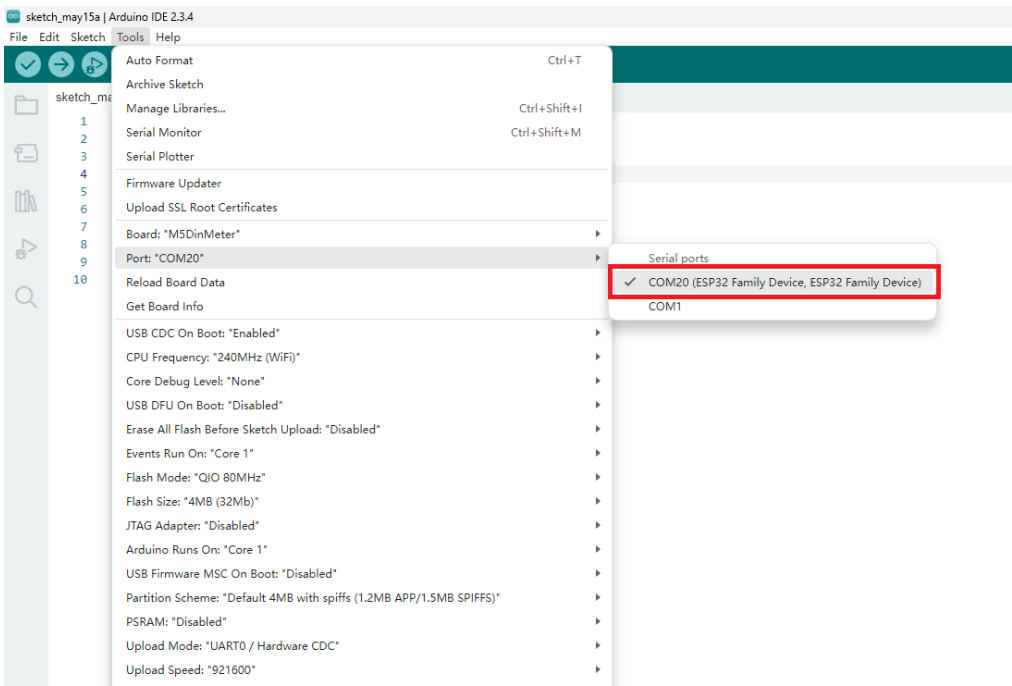
Download Mode

To enter download mode, hold down the G0 button on the StampS3 before powering on; release it after power is applied.



3. Port Selection & Configuration

- Connect the device to your PC via USB. After the driver installs, select the corresponding board and COM port in the Arduino IDE.



4. Program Compilation & Upload

Hello World

1. In the Arduino IDE, create a new sketch and paste the Hello World example below.
2. Compile and upload to your device. The screen and Serial Monitor will display "Hello World!"

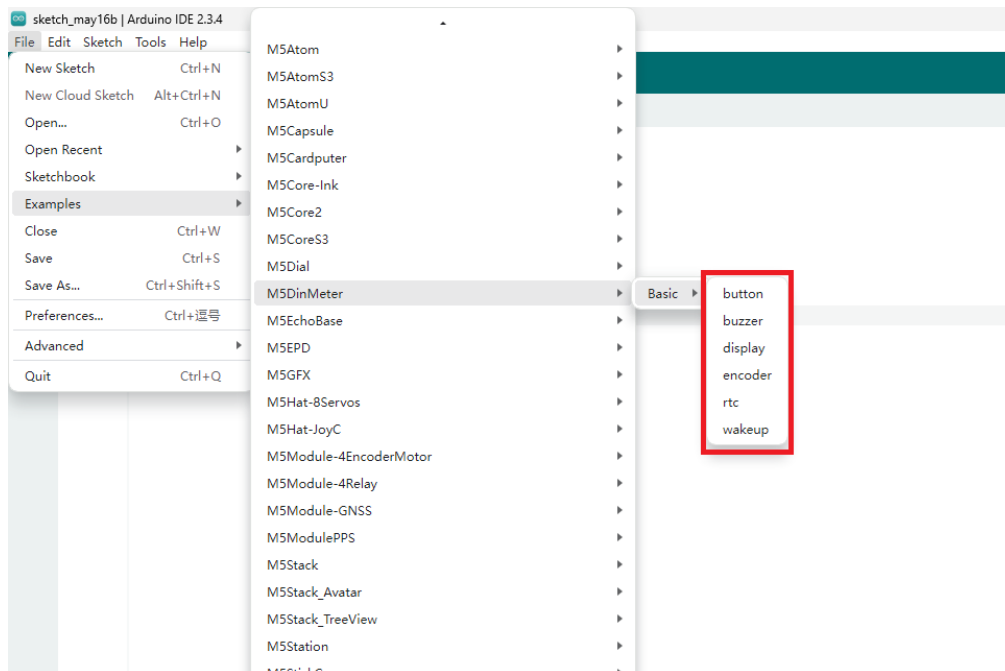
```
1  #include <M5Unified.h>
2
3  ///--- Adjust these to position your text ---
4  static const int16_t X_POS = 0;    // horizontal pixel offset
5  static const int16_t Y_POS = 60;   // vertical pixel offset
6
7  void setup() {
8      auto cfg = M5.config();
9      M5.begin(cfg);
10
11     M5.Display.setTextSize(2);
12     M5.Display.setCursor(X_POS, Y_POS);
13     M5.Display.println("Hello World!");
14
15     Serial.begin(115200);
16     Serial.println("Hello World!!!");
17 }
18
19 void loop() {
20     // nothing here
21 }
```

After uploading, you can see the following effect:



5.M5DinMeter Examples

- Open the M5DinMeter library examples in the Arduino IDE and upload



6. Related Resources

◦ GitHub

- [M5DinMeter](#)
- [M5Unified](#)
- [M5GFX](#)

◦ Arduino API & Examples

- [Display](#)
- [Encoder](#)
- [Wakeup](#)
- [Battery](#)
- [RTC](#)
- [Buzzer](#)
- [Wi-Fi](#)
- [Button](#)