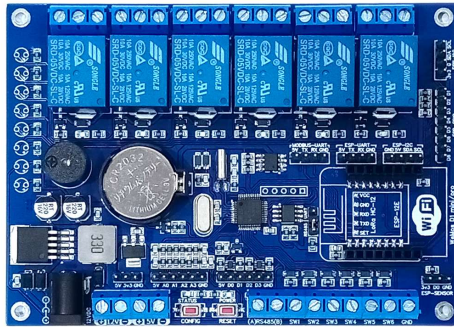


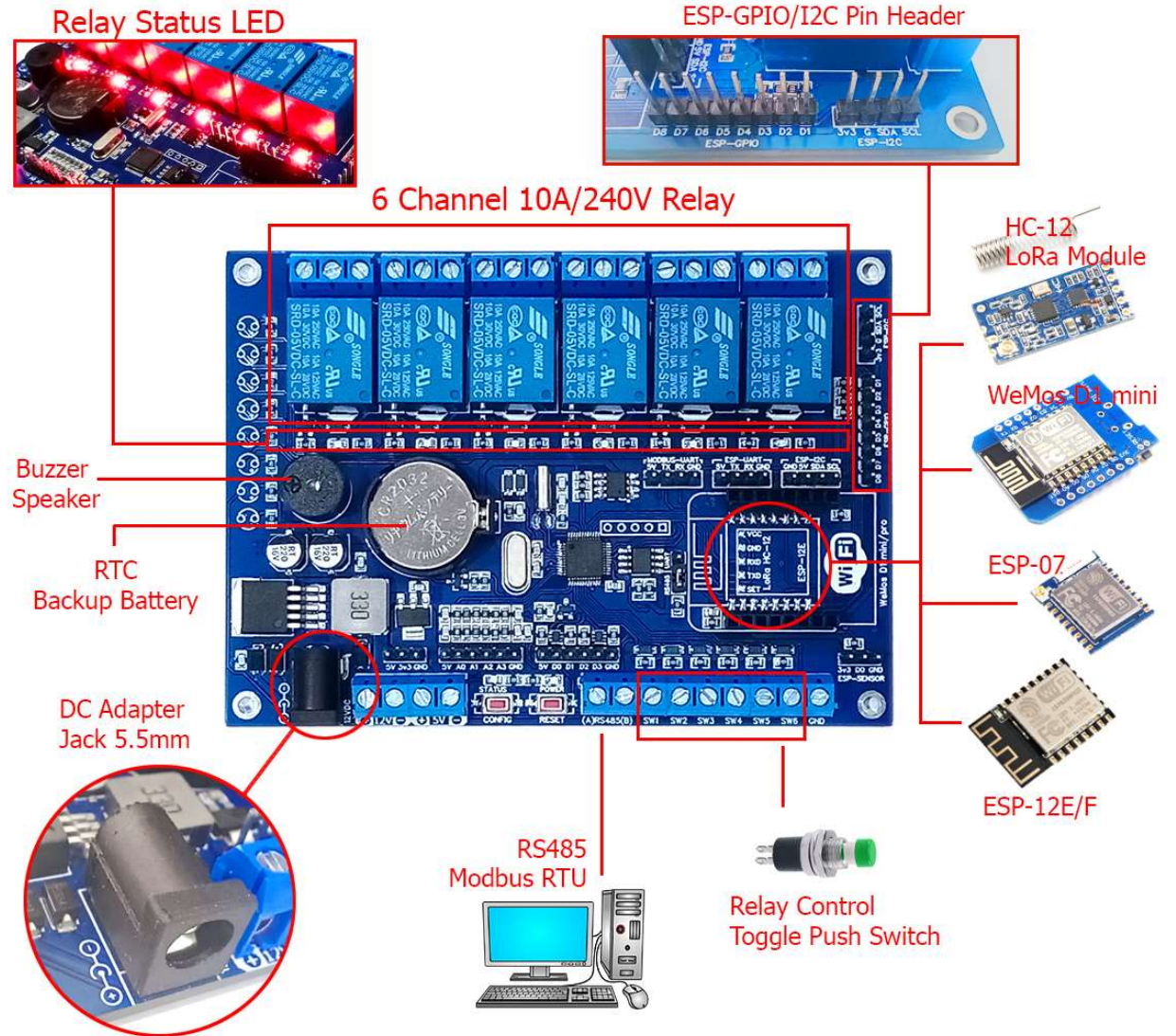
Modbus Relay Shield 6 Channel for Wemos D1mini/D1pro



Library Source Code
<https://github.com/iamdev/GSmartMBLib>

<http://www.makearduino.com>

fb: makearduino
line: @makearduino



Features :

- STM32F103 microcontroller
- RS485 Modbus RTU
- Socket for Wemos D1mini/Pro
- 6x Channel 10A/250V Relays with screw terminals (NO/COM/NC)
- 6x Input switch (screw terminal) for toggle relay state
- 4x Multifunction Digital I/O (Input/Output/PWM)
- 4x 12bit Analog Input
- Realtime Clock with Backup battery (CR2032)
- Buzzer Speaker
- LED Status (Power, ESP-D4, All relays)
- 2 onboard buttons (ESP-D3, RESET)
- ESP-GPIO pin header (D1-D8)
- EXP-I2C pin header for LCD Display (GND, 5V, SDA, SCL)
- ESP-I2C pin header for sensors (GND, 3.3V, SDA, SCL)
- ESP-D0 pin header for Sensor (3.3v, D0, GND)
- UART pin header for Modbus RTU
- 12/24V Power Input (DC Jack 5.5mm / Screw Terminal)
- 5V Power Input/OUtput (Screw Terminal)
- 12V Input diode reverse protection
- 3mm LED Status (optional)
- Onboard - ESP-12 module (optional)
- Onboard - LoRa module HC-12 (optional)

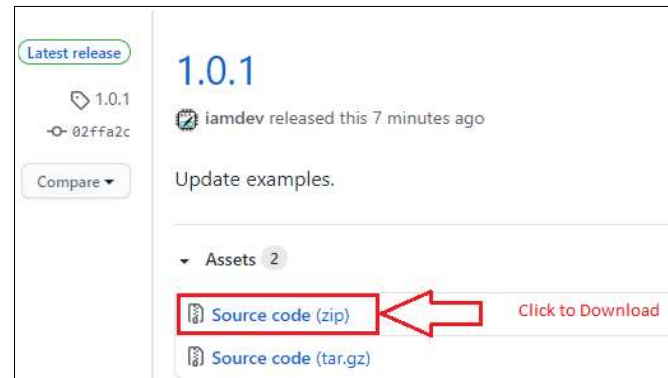
Built-In software features:

- Analog Input - A/D converter read as float voltage 0-15V
- 1MHz PWM programmable
- Toggle switch terimal for control relays (no external code required.)
- 8x Programmable Timers
- Modbus RTU - RS485
- Modbus RTU over LoRa (Optional)

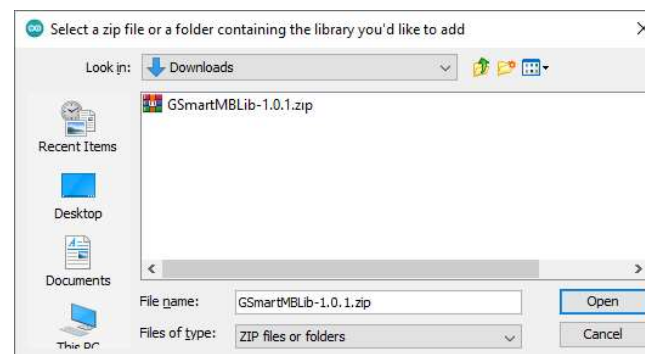
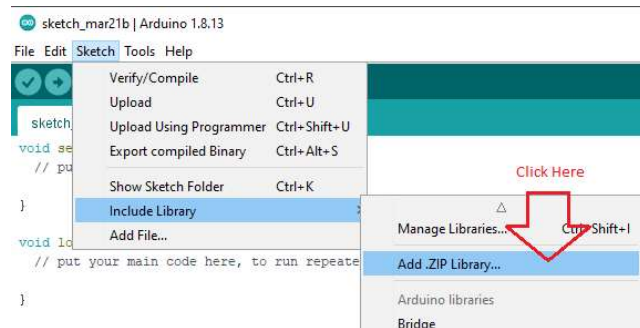
Library Installation :

1. Download Library from :

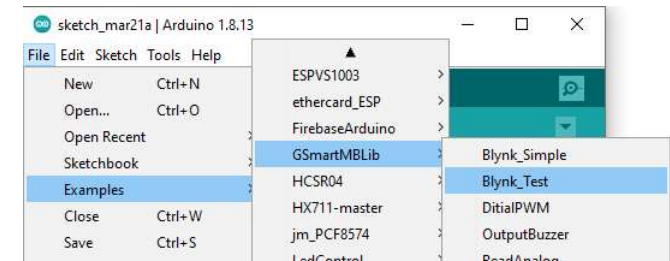
<https://github.com/iamdev/GSmartMBLib/releases/late>



2. Install Library to ArduinoIDE



3. Open an Example: Blynk_Test



** Note: Blynk library has been required for this project

Blynk Project can clone from hear :

https://github.com/iamdev/GSmartMBLib/blob/main/examples/Blynk_Test/Blynk_Project.png

