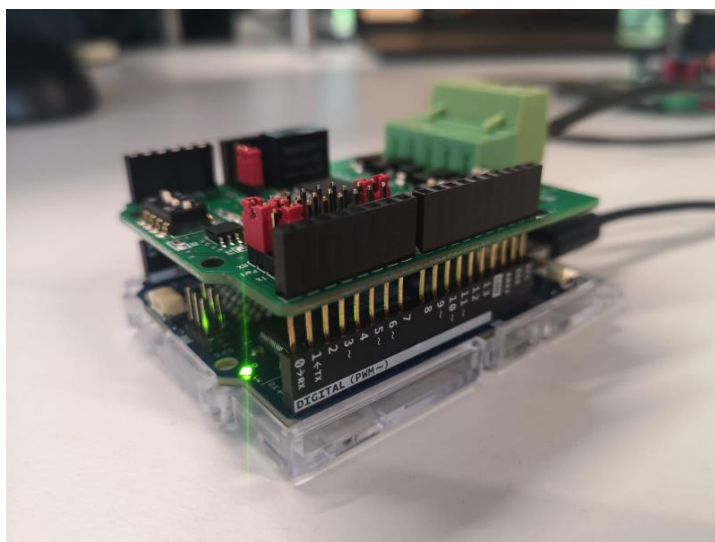


SDK Arduino Setup

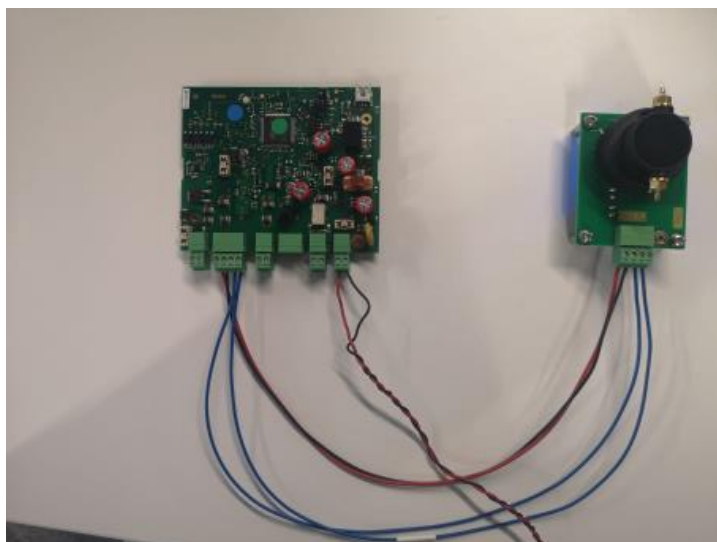
Hardware

Parts list: RS422 / RS485 Shield for Arduino UNO, Arduino UNO 4 and USB C to USB cable.

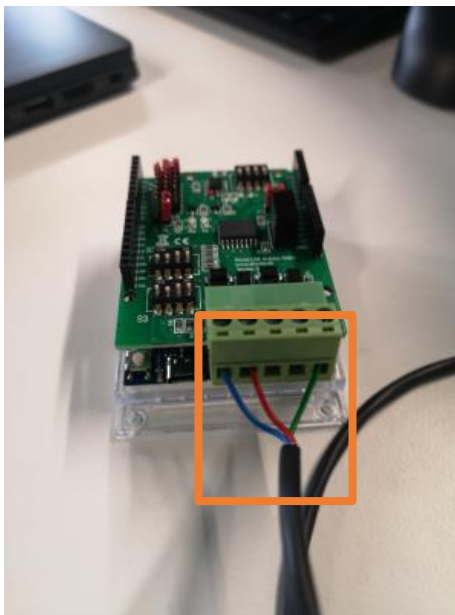
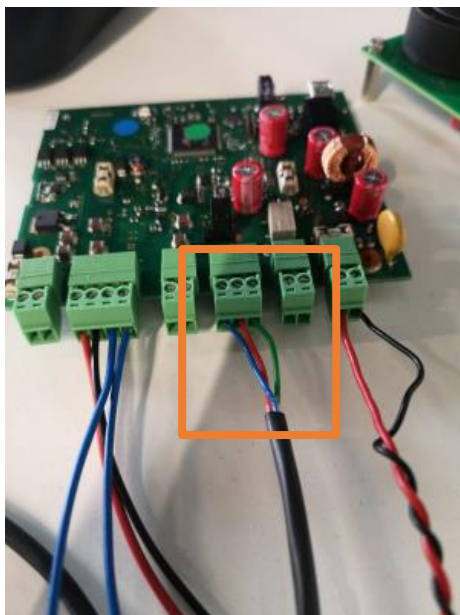
1. Connect the Arduino Shield and the Arduino UNO 4.



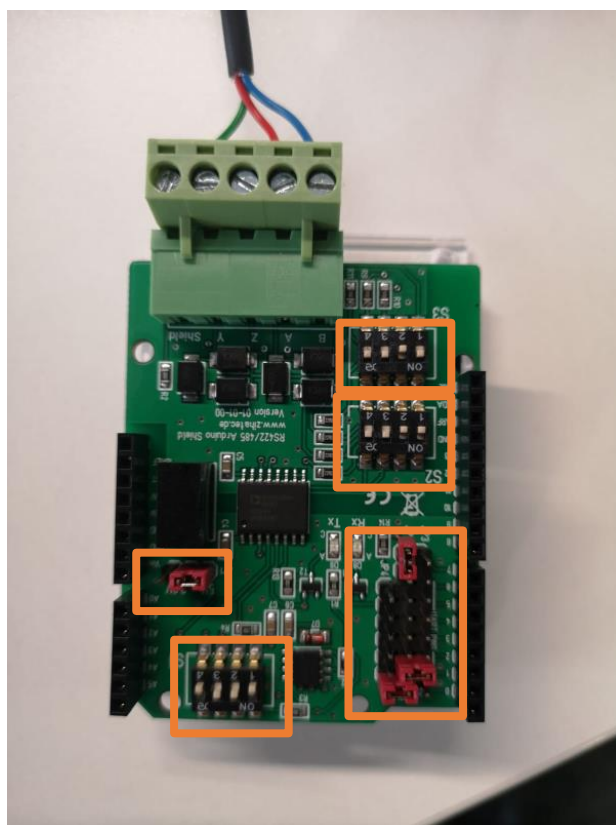
2. Wire the SDK to the as shown below. (This wiring can also be found in the manual)



3. Wire the Arduino Shield to the SDK RS485 connectors, as shown below.




4. Setup the jumpers and switches as shown below.



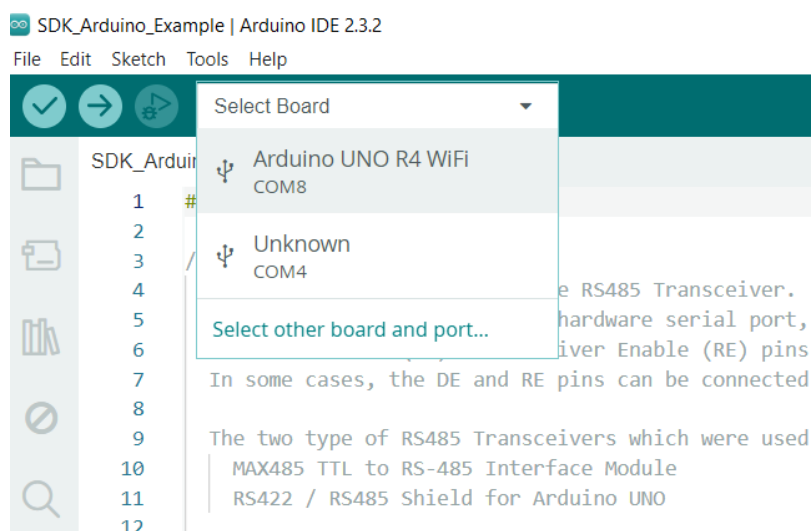
5. Connect Arduino UNO 4 USB C to the PC.

Software

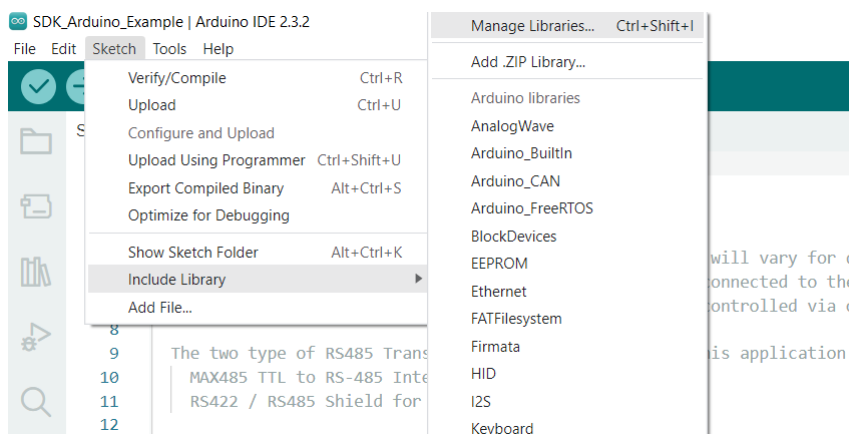
1. Go to <https://www.arduino.cc/en/software> and download the Arduino software.
2. Open the file SDK_Arduino_Example.ino in the Arduino software.

ience.co.uk) (I:) > Sensors > Tech Support > SDK_Arduino_Example > SDK_Arduino_Example			
Name	Date modified	Type	Size
 SDK_Arduino_Example	27/06/2024 16:45	INO File	10 KB

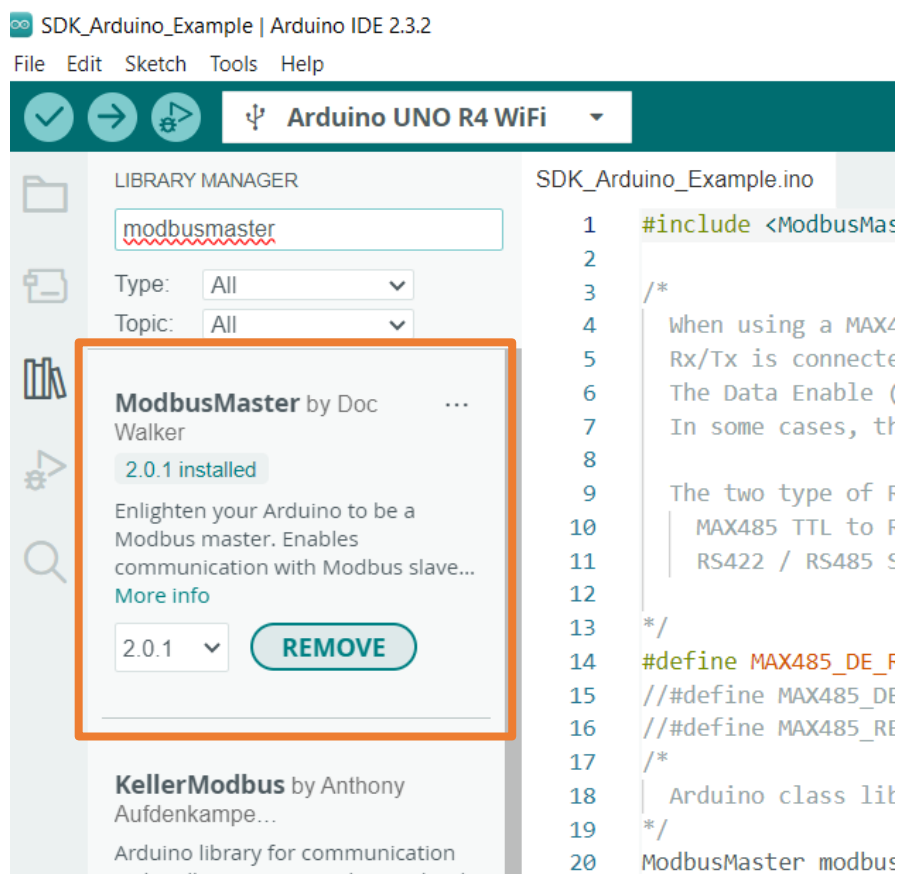
3. Select the Arduino Board which is connected to the PC.



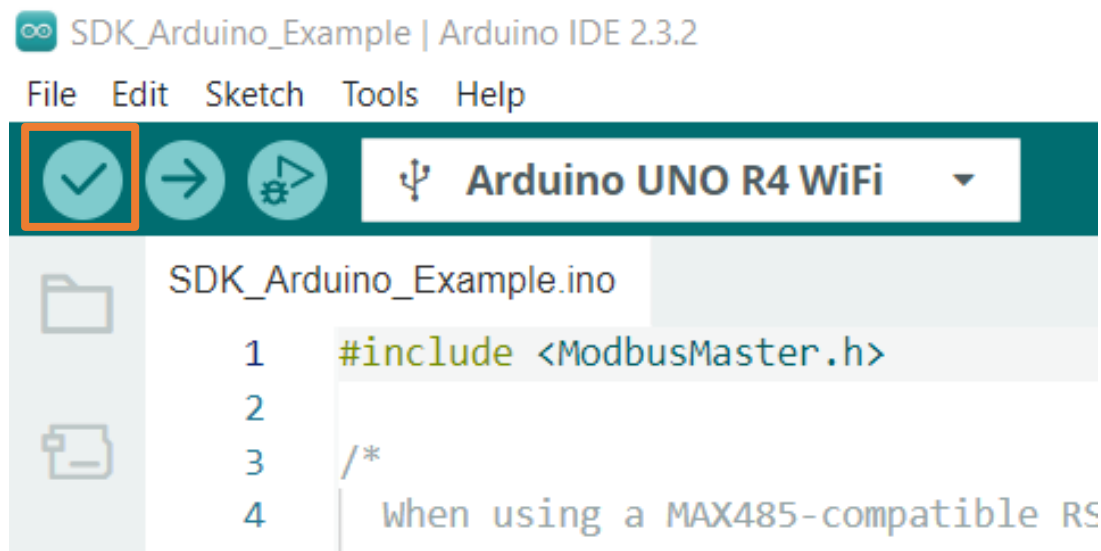
4. Click on Sketch -> Include Library -> Manage Libraries



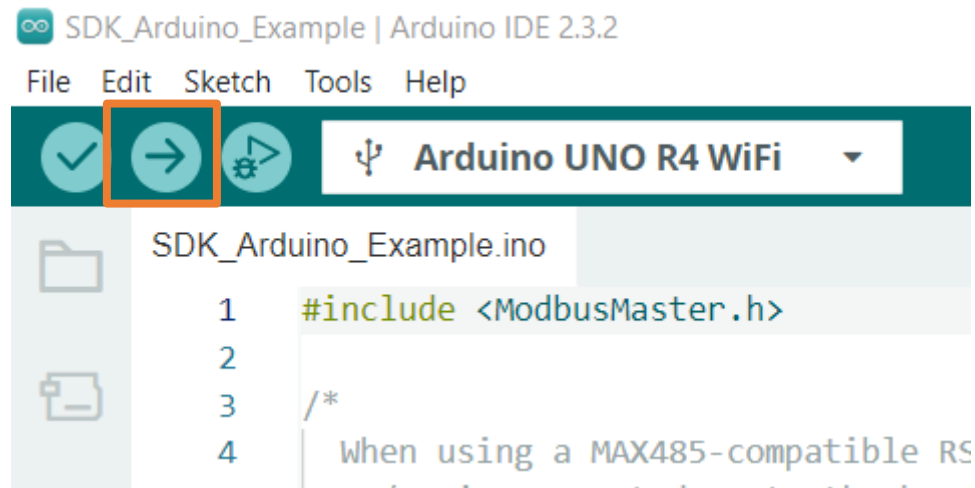
5. Type in the search bar modbusmaster and click install (If installed already then move to the next step).



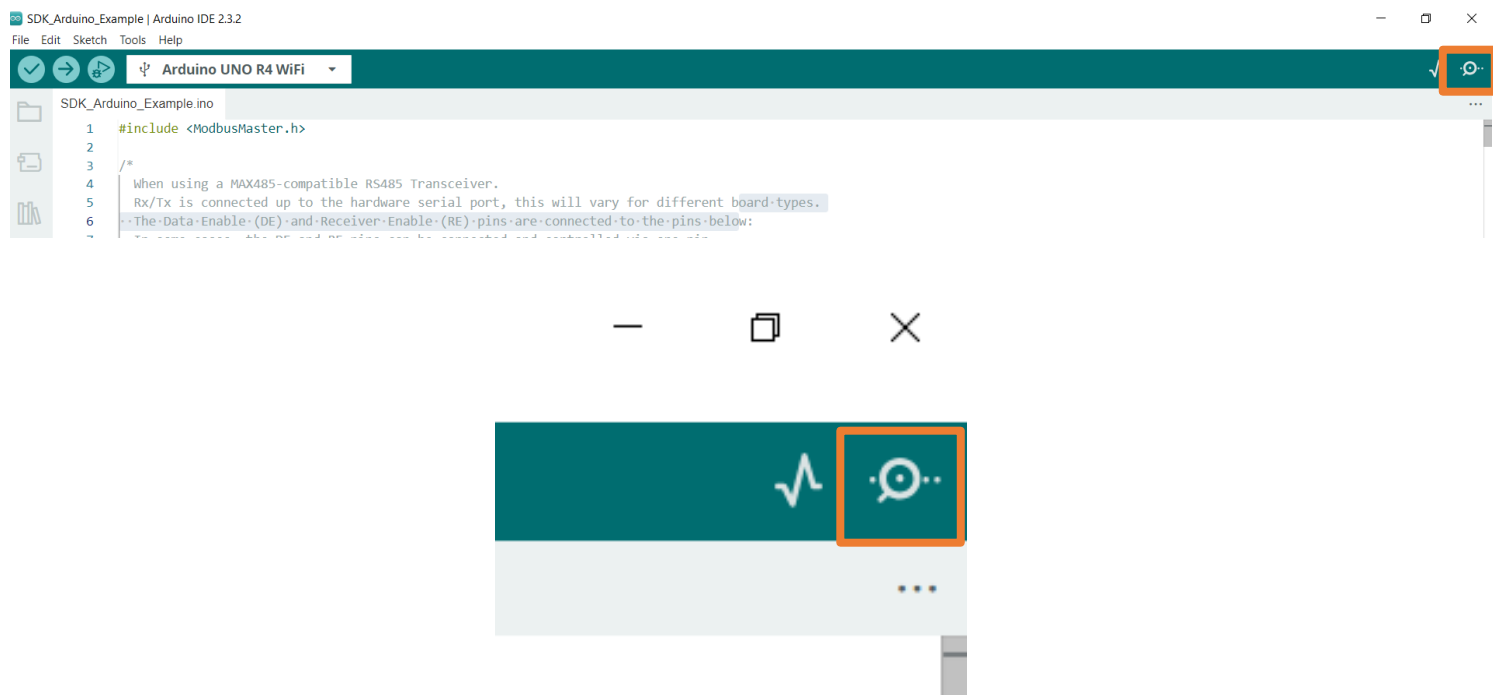
6. Click the Verify tick.



7. Click the Upload arrow. You should see the blue light on the SDK turn off and on.



8. Open the Serial Monitor.



You should now be able to see live date and time readings as well as live PID readings.