## How to add .ZIP Libraries in Arduino IDE

## Libraries

Just like most programming platforms, the Arduino environment can be extended through the use of libraries. Libraries provide extra functionality for use in sketches, e.g. working with hardware or manipulating data. To use a library in a sketch, select it from Sketch > Include Library.

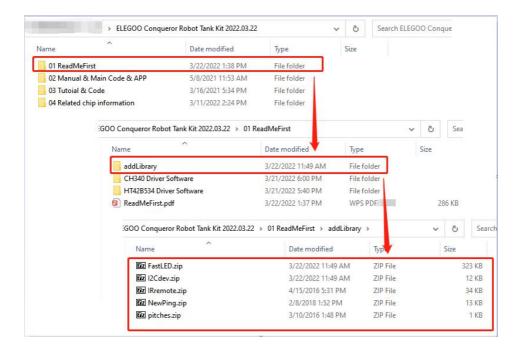
In our tutorial, all the library files needed for the program are included in the tutorial folder, we just need to add them to the IDE by following steps.

## select "Add .zip Library":

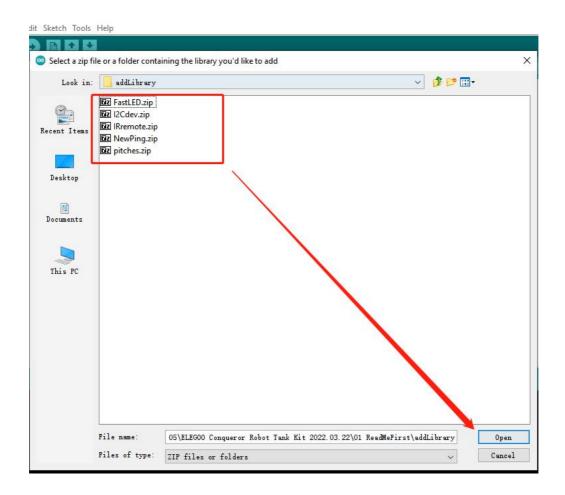
Run Arduino IDE software and click Sketch > Include Library > Add .zip Library...

```
SR04_Example | Arduino 1.8.9
File Cols Help
            Verify/Compile
                                 Ctrl+R
            Upload
                                 Ctrl+U
 SR04
           Upload Using Programmer Ctrl+Shift+U
            Export compiled Binary
           Include Library
                                                 Manage Libraries...
                                                                  Ctrl+Shift+I
            Add File...
 6 SR04 sr04 = SR04 (ECHO_PIN, TRIG_
                                                 Add .ZIP Library.
 7 long a;
                                                 Arduino libraries
 8
9∃ void setup() {
10
       Serial.begin(9600);
                                                 Esplora
       delay(1000);
                                                 Ethernet
12 }
                                                 Firmata
13
14E void loop() {
                                                 Keyboard
15
       a=sr04.Distance();
                                                 LiquidCrystal
16
        Serial.print(a);
                                                 Mouse
17
       Serial.println("cm");
                                                 Robot Control
       delay(1000);
18
                                                 Robot IR Remote
19 }
                                                 Robot Motor
                                                 SD
```

The Libraries folder is under the current folder path, you can find it in below way:



Go to the "addLibrary" folder, choose the zip library file, and click "Open"



And then, the library will added to IDE successfully. Please note that Arduino IDE can only add one library file at a time, so you need repeat this operation five times.