To install a library, first find a suitable source from arduino’s library manager. If installed, it will show up in Onedrive\documents\arduino\library. You may choose to shift the folder into local C:\programs(x86) instead. Do not have duplicate libraries (one in local drive and one in onedrive) otherwise IDE will not be able to compile.

To add a library from external sources, simple download the .zip and extract the folder into C:\programs(x86)

**AnalogMultiButton by Damien Clarke**

#include <AnalogMultiButton.h>

Library folder name: AnalogMultiButton

Source from: Arduino library manager

Usage: De-bouncing analog buttons. Includes options for single press, constant press, press and hold, press and hold and multiple trigger

**DS1307 by Michael Margolis**

#include <DS1307RTC.h>

Library folder name: DS1307RTC

Source from: In built in Arduino library manager

Usage: Driver for DS1307 Real Time Clock module. Works with Time library for code.

**NewliquidCrystal**

#include <LiquidCrystal\_I2C.h>

#include <LCD.h>

Library folder name: NewliquidCrystal

Source from: <https://bitbucket.org/fmalpartida/new-liquidcrystal/wiki/Home>

Usage: Suitable for 20x04 LCD with I2C

**Time by Michael Margolis**

#include <Time.h>

#include <TimeLib.h>

Library folder name: Time

Source from: In built in Arduino Library manager

Usage: time keeping functions, works well with RTC. Saves time into RTC and fetch data from RTC

**EEPROM by Arduino, Christopher Andrews**

#include <EEPROM.h>

Library folder name: Nil (in built, no need to install)

Source from: Arduino library manager

Usage: usage of eeprom functions. Reads and write data into eeprom slots.

**DHT by Winlin**

#include <SimpleDHT.h>

Library folder name: simpleDHT

Source from: Library manager

Usage: DHT22 communication

**MAX31850 OneWire by Adafruit**

#include <OneWire.h>

Library folder name: MAX31850\_OneWire (install from library manager)

Source from: Library manager

Usage: OneWire communication with DS18B20 temperature sensor

**DallasTemperature by Miles Burton, Time Newsome, Guil Barros, Rob Tillarart**

Library folder name: DallasTemperature

#include <DallasTemperature.h>

Source from: Internet/Library manager

Usage: DS18B20 temperature sensor