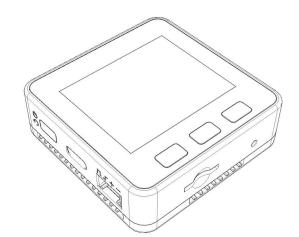
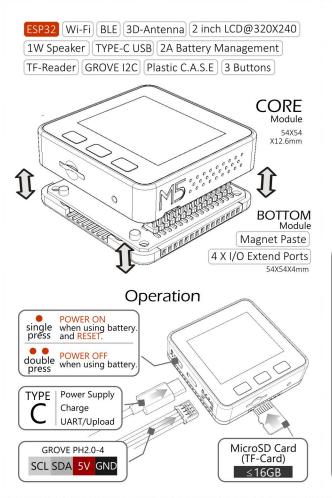
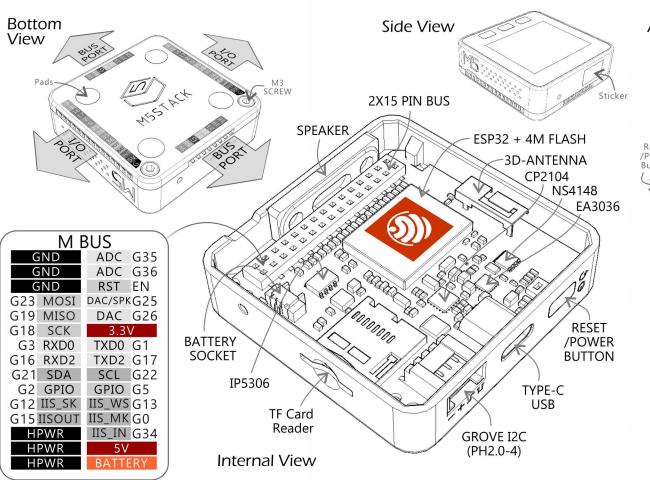
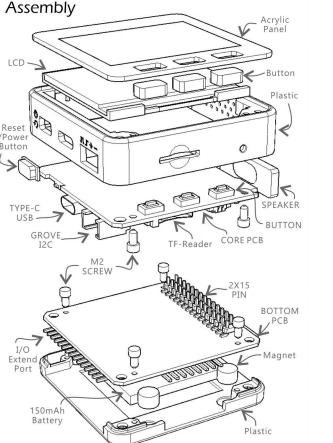
CORE DEVELOPMENT KIT V1.0















Software Installation Extension 1. Install Arduino IDE

Function

Module

Shell

Made b

3D Printing .Molding

or CNC

Laser Cutting

Download template file from

www.M5Stack.com/download

Function

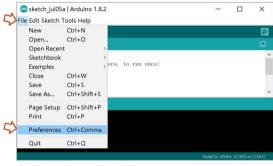
2X15 PIN ~ @2.54mm

2X15 SOCKET @2.54mm

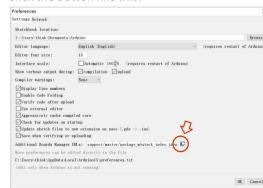
From: https://www.arduino.cc/en/Main/Software

2. Install M5Stack.

Run Arduino IDE, and click: File -> Preferences



· Click the button like this:



• Add the following URL into the box, and Click OK. http://www.M5Stack.com/download/package m5stack index.ison



Click: Tools -> Board: -> Boards Manager...



And Select M5Stack-Core-ESP32, Click Install.



Done!



- 1. Select: Tools -> Board: -> M5Stack
- 2. Click: Files->Examples->M5Stack ->Basics->Hello

```
#include <M5Stack h>
// the setup routine runs once when M5Stack starts up
void setup(){
 // initialize the M5Stack object
 M5.begin():
 // lcd display
 M5.Lcd.printf("Hello World!"
// the loop routine runs over and over again forever
void loop(){
```

- 3. Connect to PC or MAC with a usb cable.
- 4. Select: Tools->Port->ComX.
- 5. Click: Sketch->Upload.
- 6. Running.





Function List

M5.begin(); M5.update():

```
M5.Lcd.setLight(int light);
M5.Lcd.setCursor(int x, int v);
M5.Lcd.putChar(int x, int y, char ch);
M5.Lcd.putStr(int x, int y, string str);
M5.Lcd.printf(char* str....);
M5.Lcd.fillScreen(uint16 color);
M5.Lcd.pixel(int x, int y, uint16 color);
M5.Lcd.line(int x1,y1,x2,y2,uint16 color);
M5.Lcd.drawRect(int x1,y1,x2,y2,uint16 color);
M5.Lcd.fillRect(int x1,y1,x2,y2,uint16 color);
```



M5.BtnA/B/C.released(): M5.BtnA/B/C.held():

M5.BtnA/B/C.repeated();

M5.Speaker.tone(int freq);

M5.Speaker.mute():

M5.Speaker.setBeep(int freq,int time);

M5.Speaker.beep();

M5.Serial0/2.begin(int bps); M5.Serial0/2.print(char* str); M5.Serial0/2.println(char* str); M5.Serial0/2.read():

FCC Caution

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

This device complies with part 15 of the FCC Rules. Operation is subject to the following tw conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 20cn between the radiator& your body.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- —Reorient or relocate the receiving antenna
- —Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver
- —Consult the dealer or an experienced radio/TV technician for help.

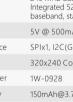


Model	CORE Kit
ESP32	240 MHz dual core Tensilica LX6 microcontroller with 600 Integrated 520 KB SRAM,Integrated 802.11 b/g,n-HT20 n -baseband, stack and LWIP, Integrated dual mode Blueto
Input	5V @ 500mA
Interface	SPIx1, I2C(GROVE)x1, Uartx2,IISx1, TFx1
LCD	320x240 Colorful TFT LCD, IL19341
Speaker	1W-0928
Battery	150mAh@3.7V, Bottom module-inside.

54x54x17mm with Bottom, 54x54x12.6mm only CORE

32°F to 104°F (0°C to 40°C)

120g with Bottom, 100g only CORE



Plastic(PC)