



CONRAD 2179957 M5Stack Sensor Kit Instruction Manual

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M5Stack Sensor Kit

ESP32

Wi-Fi

BLE

FLASH

9DOF

3D-Antenna

2 inch LCD@320X240

TYPE-C USB

TF-Reader

1W Speaker

MEMS MIC

RGB LED x 10

3 Buttons

500mAh Battery

GROVE I2C

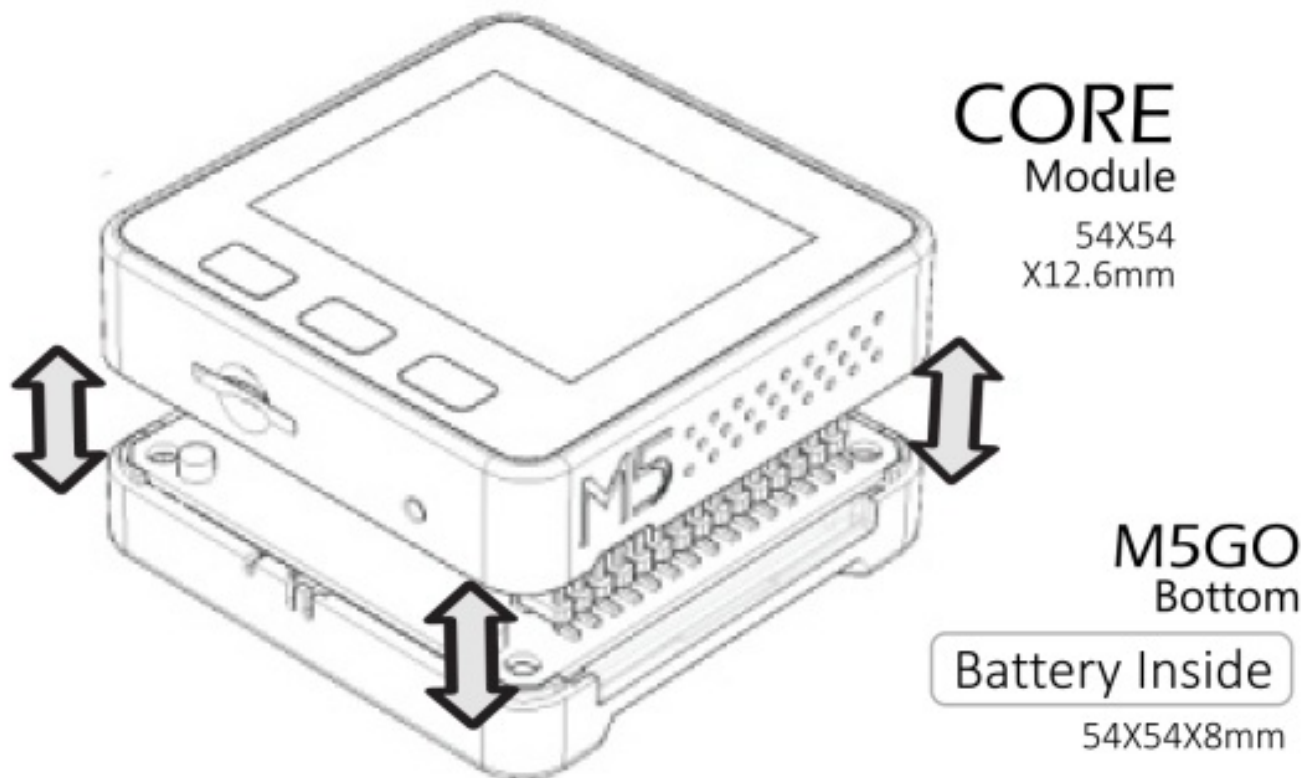
GROVE I/O

GROVE UART

MicroPython

LEGO Compatible

Arduino Compatible



Operation

● **POWER ON**
single press when using battery. and **RESET**.

●● **POWER OFF**
double press when using battery.

TYPE C | Power Supply
Charge
UART/Upload

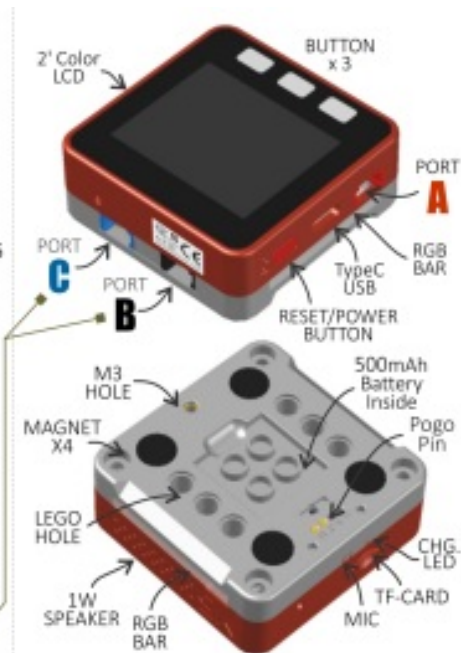
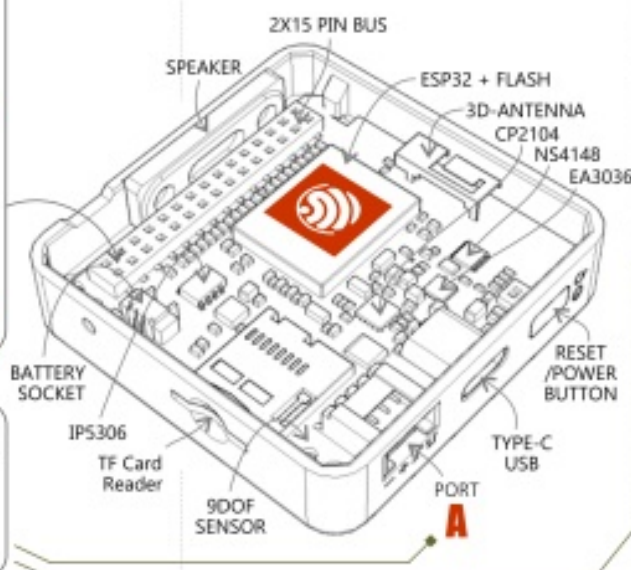
GROVE PH2.0-4
SCL SDA 5V GND

MicroSD Card (TF-Card)
≤16GB

Internal View

M BUS		
GND	ADC	G35
GND	ADC	G36
GND	RST	EN
G23	MOSI	DAC/SPK G25
G19	MISO	DAC G26
G18	SCK	3.3V
G3	RXD0	TXD0 G1
G16	RXD2	TXD2 G17
G21	SDA	SCL G22
G2	GPIO	GPIO G5
G12	IIS_SK	IIS_WS G13
G15	IISOUT	IIS_MK G0
HPWR	IIS_IN	G34
HPWR	5V	
HPWR	BATTERY	

GROVE PORT	CABLE
A I2C	GND 5V SDA SCL
B I/O	GND 5V G26 G36 I/O OUT Input
C UART	GND 5V TXD RXD



 Connect WIFI

1. Press Setup Button


Power
On



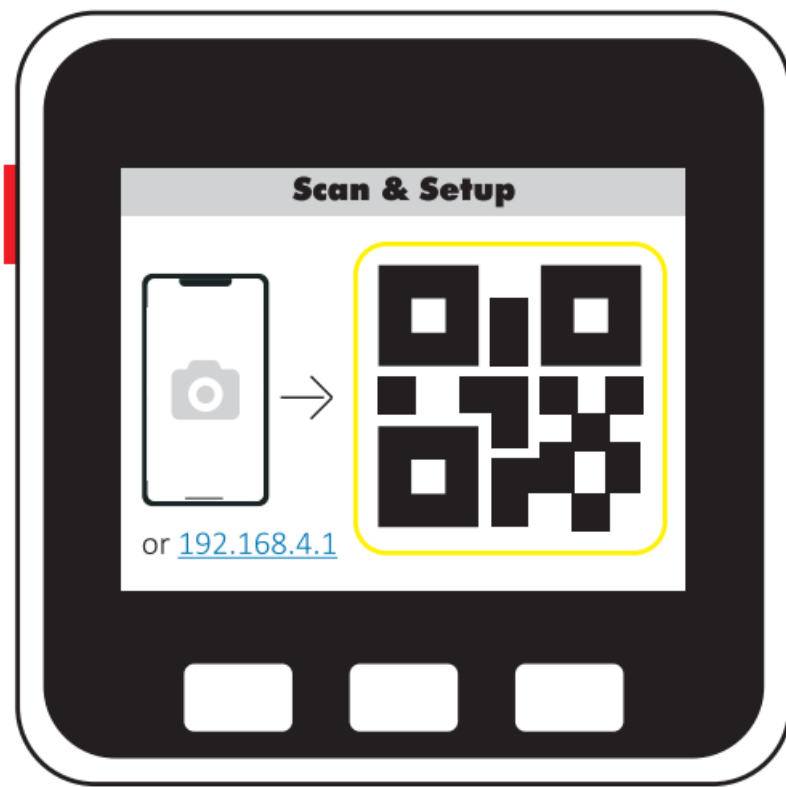
2. Select Change WIFI Connect



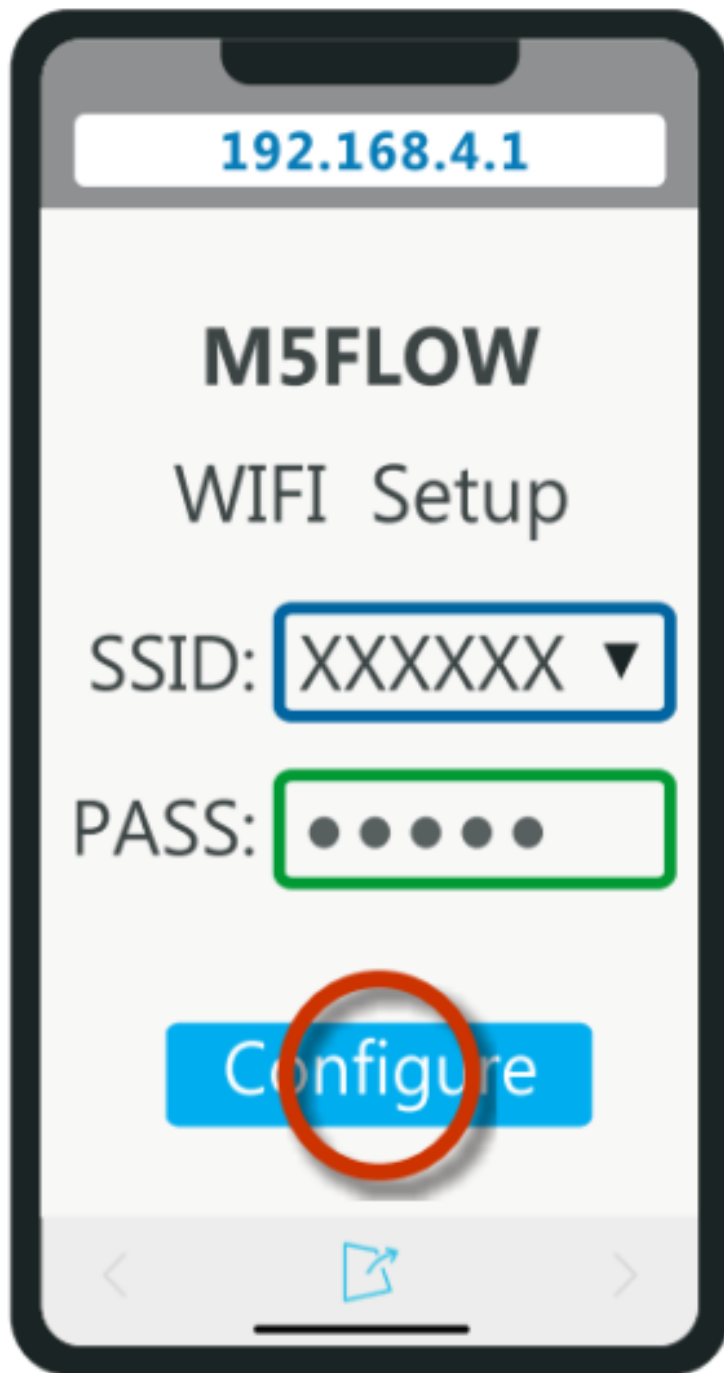
3. Connect to MSGOWi-Fi



4. Scan QR Code



5. Input your wifi details



6. Connecting ...



Configuring UIFLOW

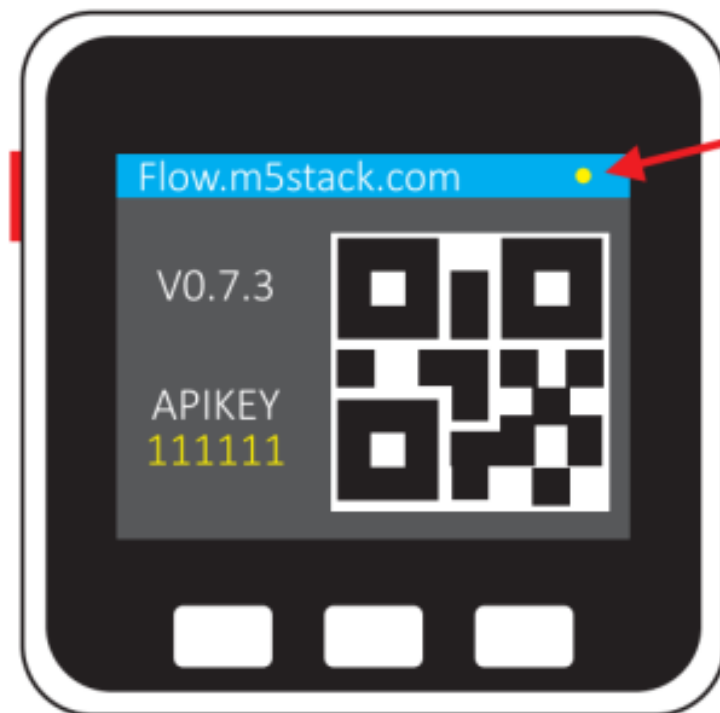
1. Press UPLOAD Button



2. Connecting ...

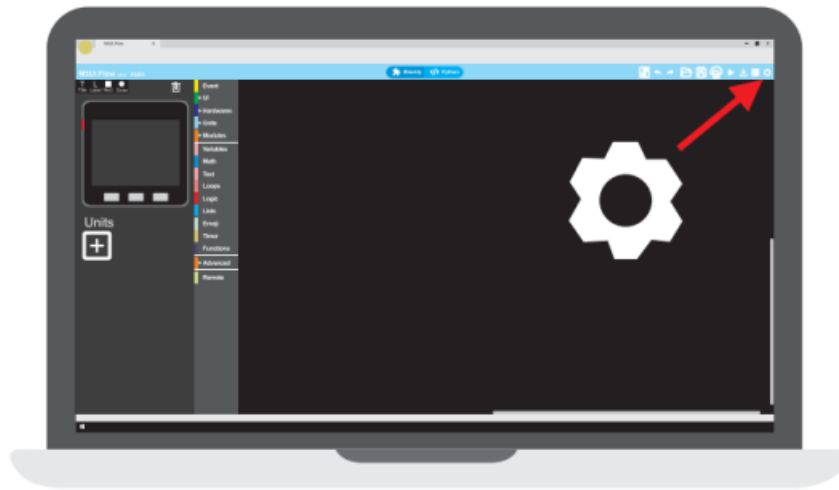


3. Scan QR or go to flow.m5stack.com

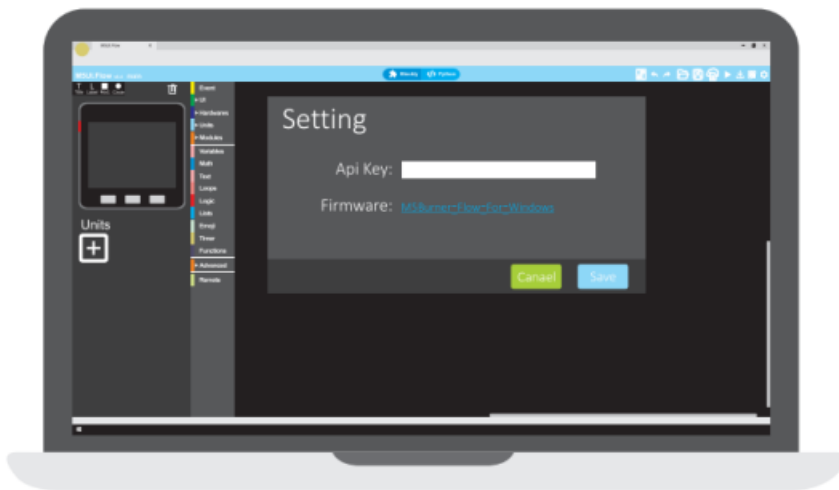


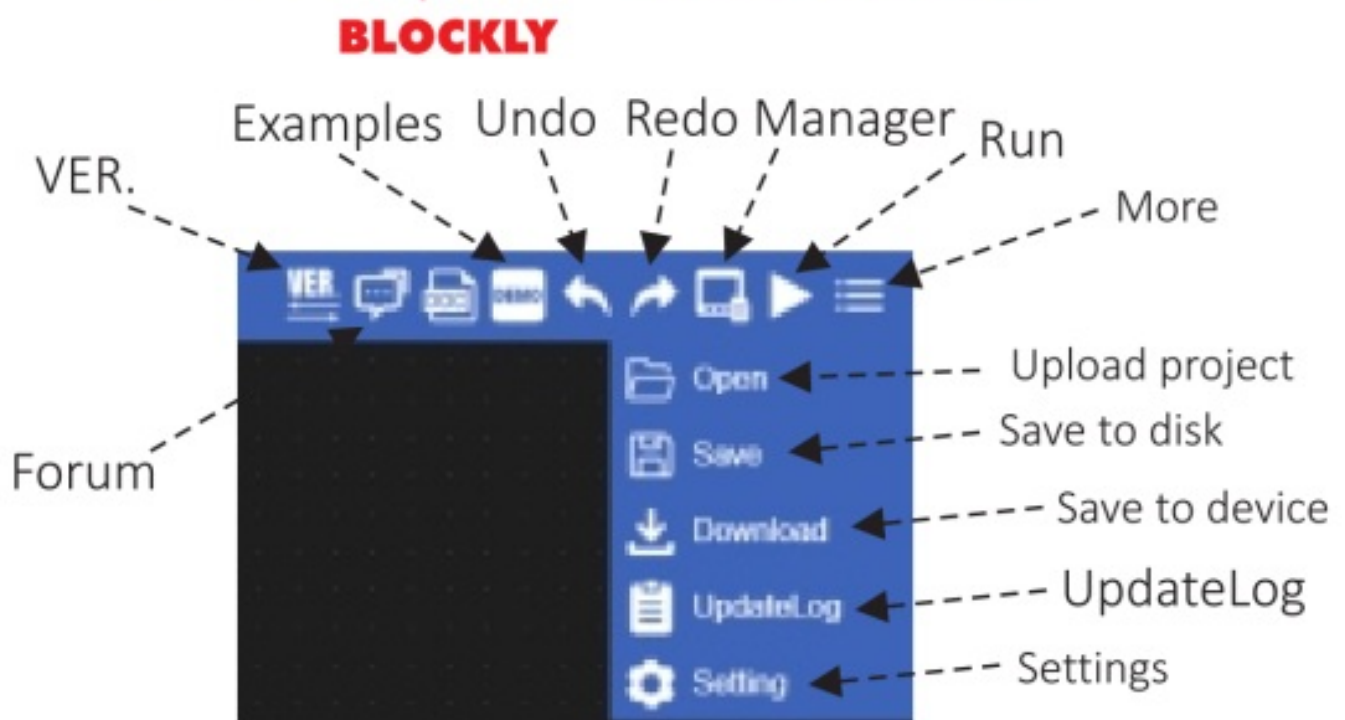
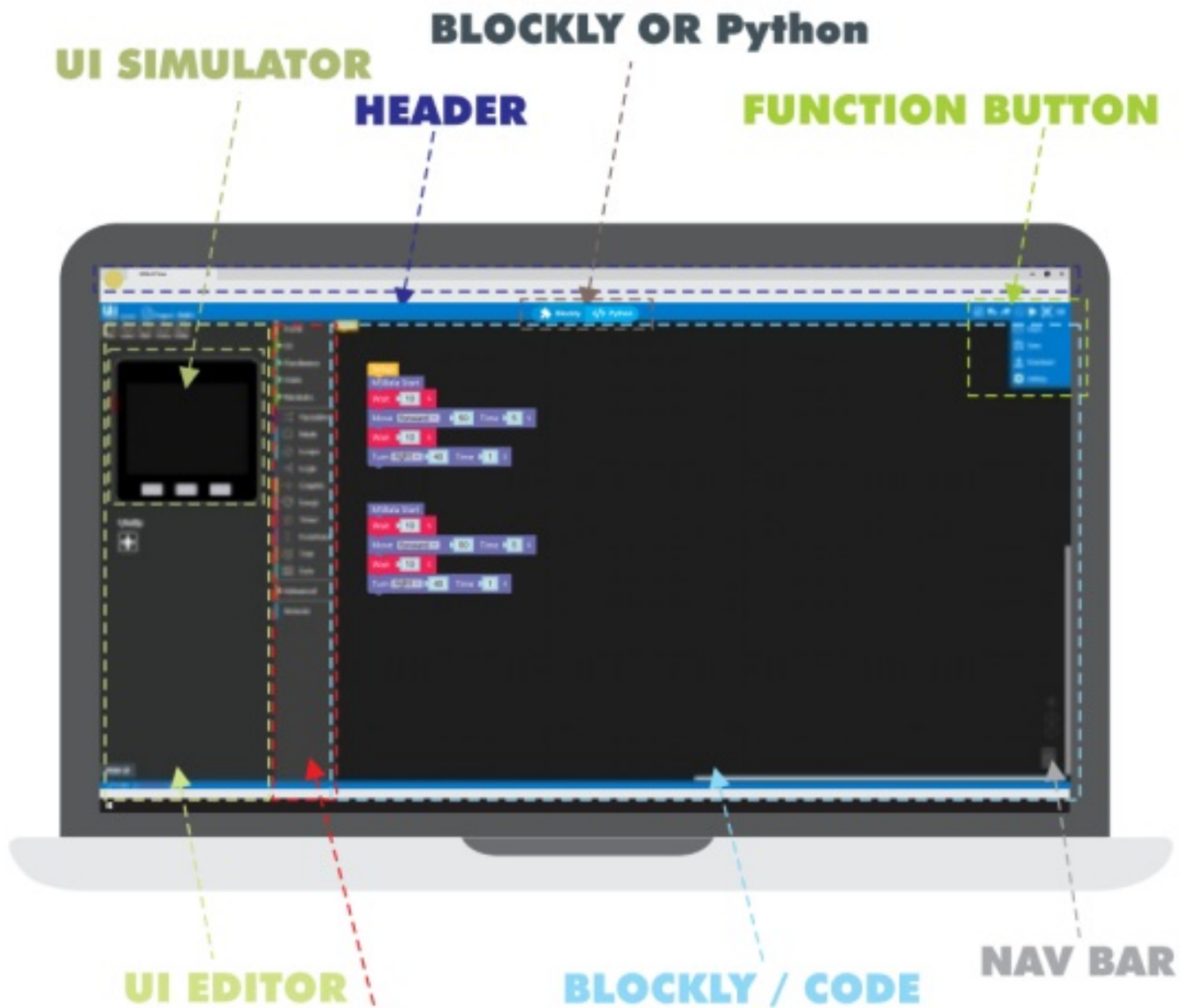
● Disconnected
↓
● Connected

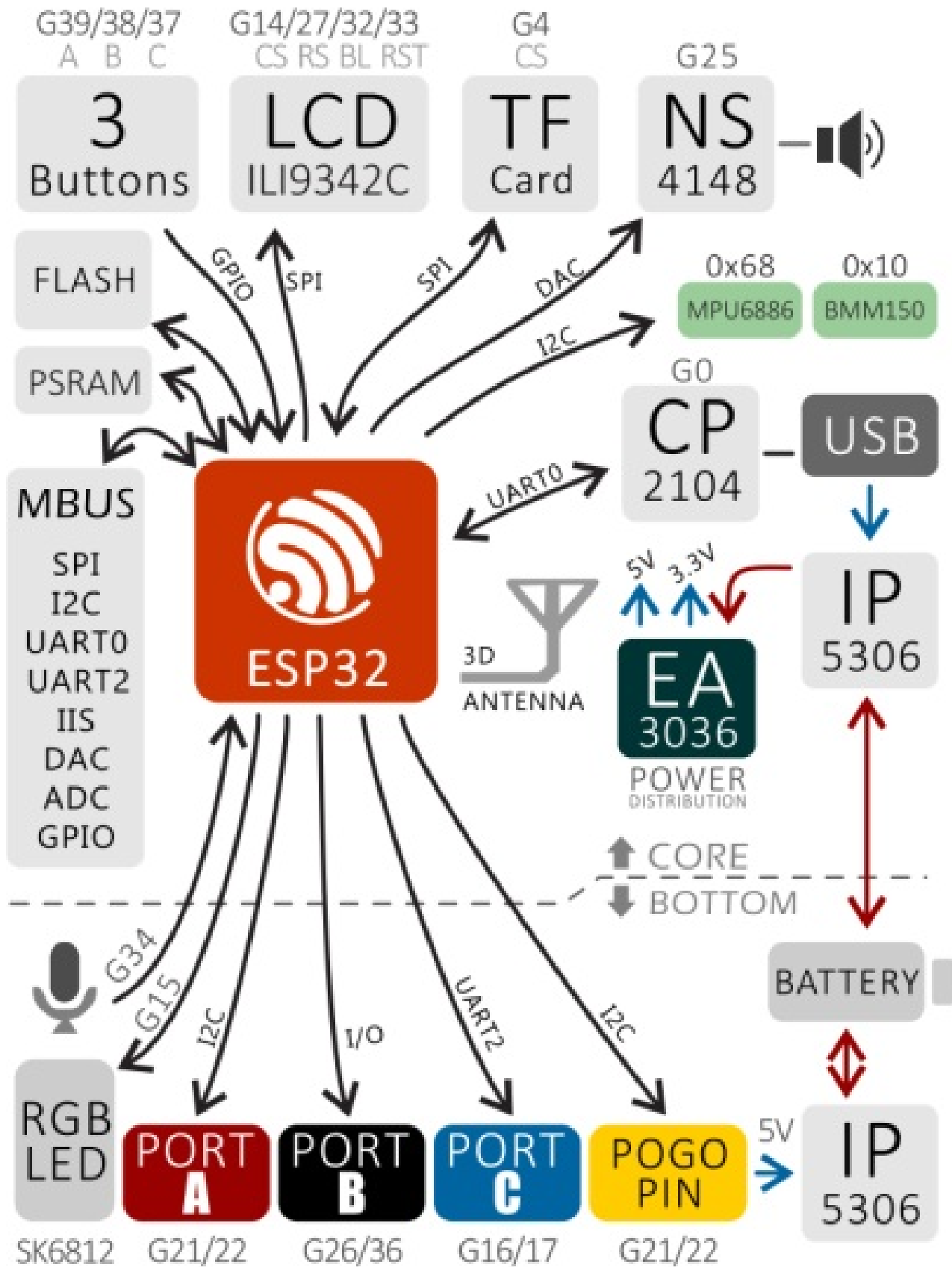
4. Click on the gear icon

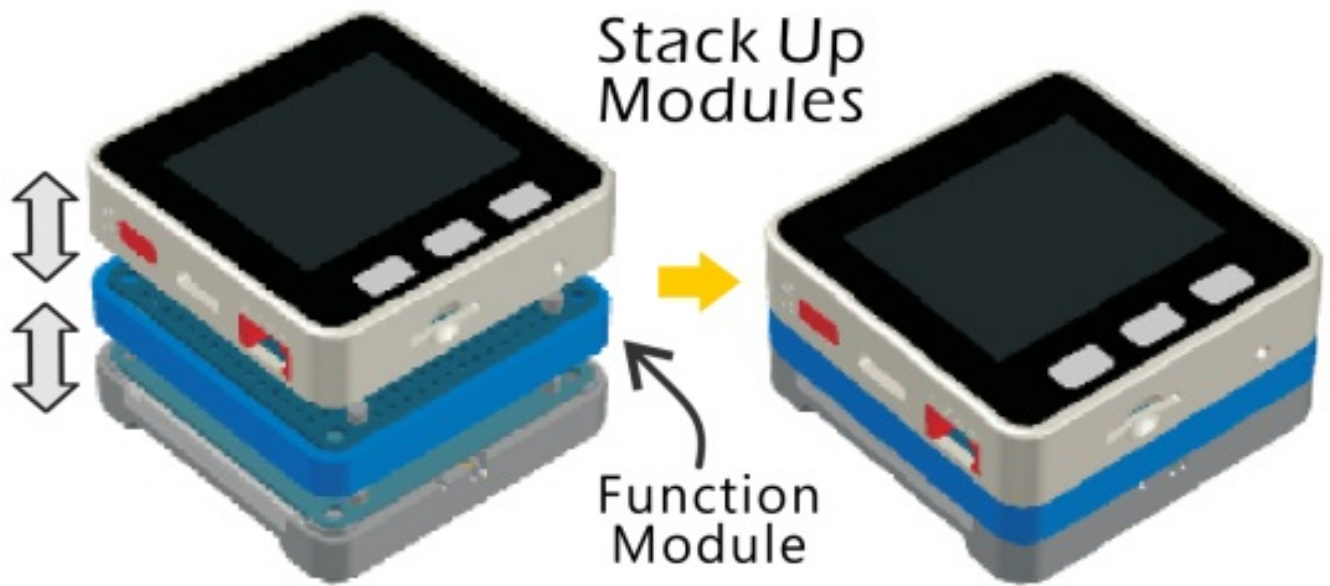


5. Enter your MS Api Key + Click Save



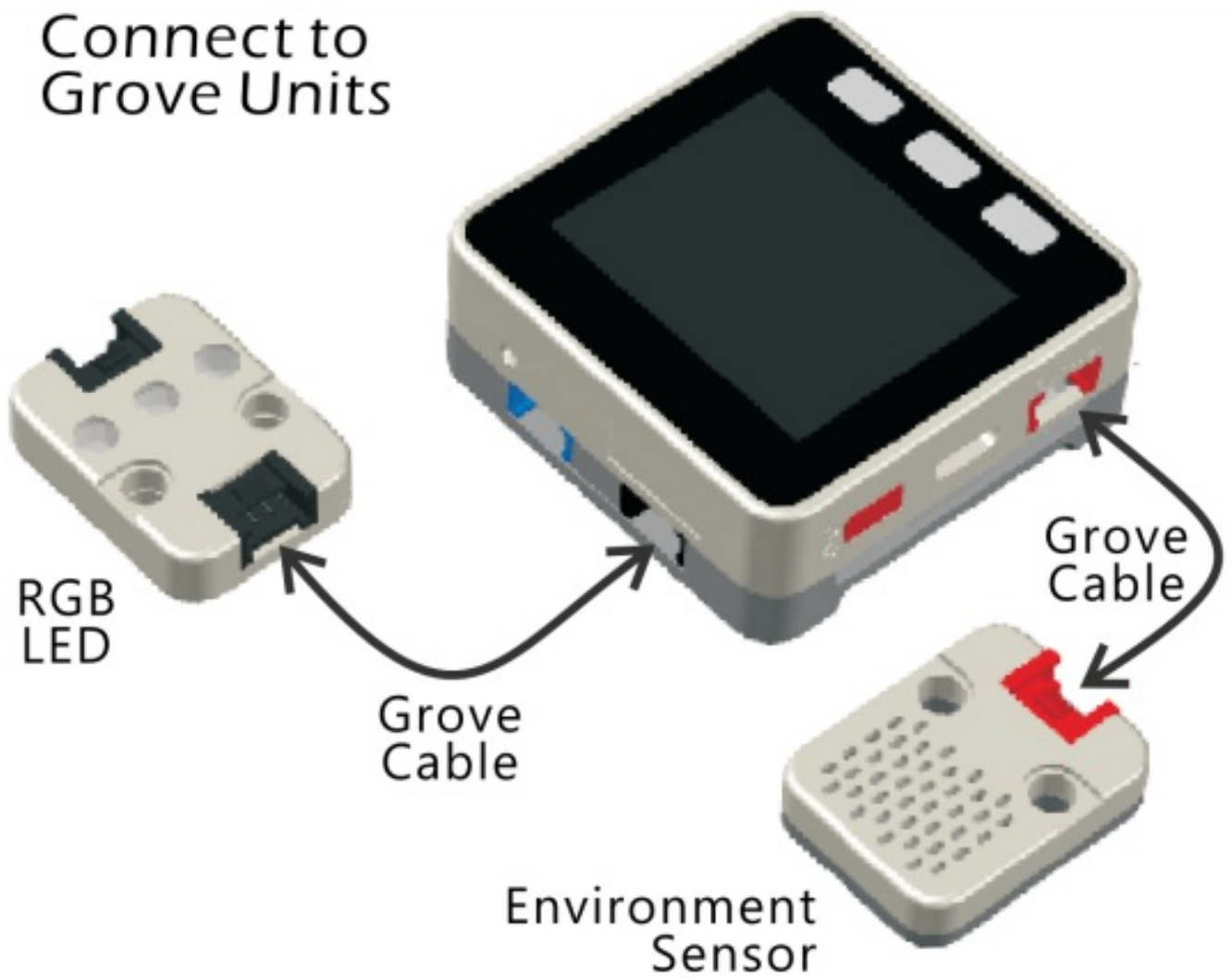






----- or -----

Connect to Grove Units



Model	FIRE
ESP32	24() MHz dual core Tensilica LX6 microcontroller with 600 DMIPS, Integrated 520 KB SRAM,Integrated 802.11 b/g/n HT40 Wi-Fi transceiver, baseband, stack and L WIP, Integrated dual mode Bluetooth
Flash	16M FLASH+ 4M PS RAM
Input	5V@S00mA
Interface	TypeC x 1, GROVE(I2C+I/O+UART), Pogo Pin x 1
LCD	2 inch, 320×240 Colorful TFT LCD, ILI9342C
Speaker	1W-0928
Mic	MEMS Analog BSE3729 Microphone
LED	SK6812 3535 RGB LED x 10
9DOF	MPU6886+BMM150
Battery	500 mAh@3.7V, inside
Op.Temp	32°F to 104°F (0°C to 40°C)
Size	54x 54×21 mm
C.A.5.E	Plastic (PC)
Weight	56g

FIRE
DEVELOPMENT KIT



M5STACK

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Documents / Resources



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