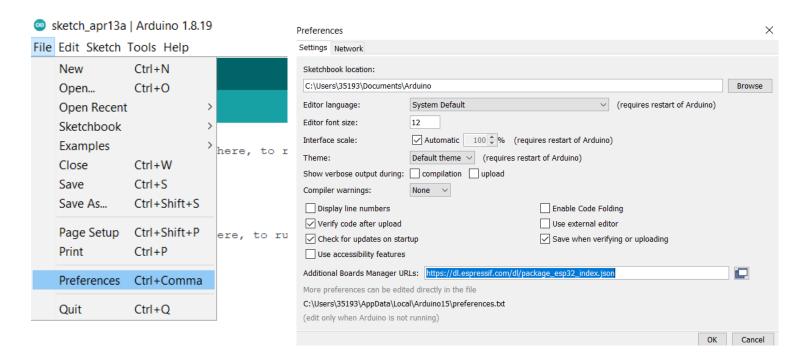# BEETLE ESP32 DFR0575

1. **Setup**

Using Arduino IDE is a more user-friendly approach.

2. **Adding the Board URL to Arduino IDE**

Open Arduino IDE (version 1.8.19).
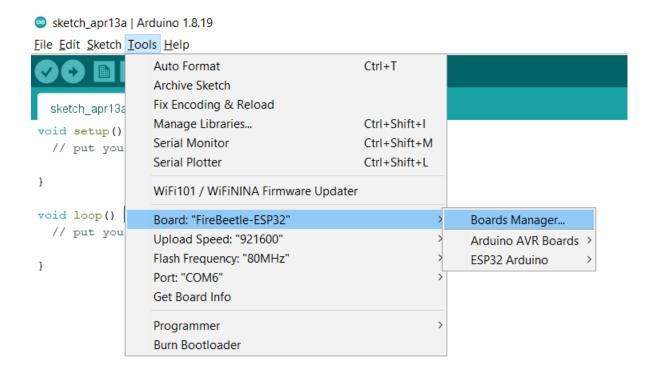Navigate to File > Preferences and click the checked button as shown below:

Enter the following URL in Additional Boards Manager URLs.

https://dl.espressif.com/dl/package_esp32_index.json

After the input is completed, click OK.

3. Installing ESP32

After adding the mainboard URL of ESP32 (ESP-WROOM-32) to Arduino IDE, it is needed to update the board list, and use Arduino IDE to download ESP32 (ESP-WROOM-32) libraries.
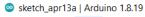

After opening the development board manager, the board list will automatically be updated.

When the update is finished type esp32, select it and click "Install". The manager will automatically download the relevant libraries.

4. Selecting the mainboard

Open **tools->** board, select **FireBeetle-ESP32** mainboard, as shown in the following:

sketch_apr13a | Arduino 1.8.19

File Edit Sketch Tools Help

sketch_apr13a

void setup()
  // put you

}

void loop()
  // put you

}

Tools menu:
Auto Format   Ctrl+T
Archive Sketch
Fix Encoding & Reload
Manage Libraries...   Ctrl+Shift+I
Serial Monitor   Ctrl+Shift+M
Serial Plotter   Ctrl+Shift+L

WiFi101 / WiFiNINA Firmware Updater

Board: "FireBeetle-ESP32"   >
Upload Speed: "921600"   >
Flash Frequency: "80MHz"   >
Port: "COM6"   >
Get Board Info

Programmer   >
Burn Bootloader

Submenu:
Boards Manager...
Arduino AVR Boards   >
ESP32 Arduino   >

Board list:
△
ESP32 Dev Module
ESP32 Wrover Module
ESP32 Pico Kit
TinyPICO
S.ODI Ultra v1
MagicBit
Turta IoT Node
TTGO LoRa32-OLED V1
TTGO T1
TTGO T7 V1.3 Mini32
TTGO T7 V1.4 Mini32
XinaBox CW02
SparkFun ESP32 Thing
SparkFun ESP32 Thing Plus
u-blox NINA-W10 series (ESP32)
Widora AIR
Electronic SweetPeas - ESP320
Nano32
LOLIN D32
LOLIN D32 PRO
WEMOS LOLIN32
WEMOS LOLIN32 Lite
Dongsen Tech Pocket 32
WeMos WiFi&Bluetooth Battery
ESPea32
Noduino Quantum
Node32s
Hornbill ESP32 Dev
Hornbill ESP32 Minima
● FireBeetle-ESP32
IntoRobot Fig
Onehorse ESP32 Dev Module
Adafruit ESP32 Feather
▼

9