## Installing ESP32 Add-on in Arduino IDE

1. In your Arduino IDE, go to **File**> **Preferences.**
2. Enter the following into the “Additional Board Manager URLs” field:

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

Then, click the “OK” button.

1. Open the Boards Manager. Go to **Tools** > **Board** > **Boards Manager…**
2. Search for **ESP32** and press install button for the “**ESP32 by Espressif Systems**“:

Plug the ESP32 board to your computer. With your Arduino IDE open, follow these steps:

1. Select your Board in Tools > Board menu >ESP32 Arduino>WEMOS D1 MINI ESP32 .
2. Select the Port COM3 >COM3(if you don’t see the COM Port in your Arduino IDE, you need to install the [CP210x USB to UART Bridge VCP Drivers](https://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers)):
3. Open the following example under **File** > **Examples** > **01.Basics**> **Blink**
4. A new sketch opens in your Arduino IDE:

Void setup (){

pinMode (LED\_BUILTIN,OUTPUT);

}

Void loop() {

digitalWrite (LED\_BUILTIN,HIGH );

delay (1000);

digitalWrite (LED\_BUILTIN,LOW);

delay (1000);

}

1. Press the Upload button in the Arduino IDE. Wait a few seconds while the code compiles and uploads to your board.
2. If everything went as expected, you should see a “Done uploading.” message.