

# ESP32 SETUP STEPS

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# Introduction to ESP32

In the last quarter of 2016 the ESP32 was announced and in the world of embedded systems crowded with lots of new solutions and circuits, the ESP32 circuit had to wait in my drawer until 2018 to start discovering this Chinese monster

## What is ESP32?

ESP32 is a low-cost System on Chip (SoC) Microcontroller from Espressif Systems, the developers of the famous ESP8266 SoC. It is a successor to ESP8266 SoC and comes in both single-core and dual-core variations of the Tensilica's 32-bit Xtensa LX6 Microprocessor with integrated Wi-Fi and Bluetooth

The good thing about ESP32, like ESP8266 is its integrated RF components like Power Amplifier, Low-Noise Receive Amplifier, Antenna Switch, Filters and RF Balun. This makes designing hardware around ESP32 very easy as you require very few external components

## ESP32 operation steps;

First step download Arduino IDE

After downloading and opening then, click File

Then preferences and when the additional panels put this link ( [https://dl.espressif.com/dl/package\\_esp32\\_index.json](https://dl.espressif.com/dl/package_esp32_index.json) ). I agree

About Panel Tools - Panel Manager Find ESP32 and then Download

Now connect the piece with USB wire then panel again then ESP32 then WEMOS D1 MINI ESP32

Then tools (COM) and done