

Algorithm **ESP32** on Arduino IDE

- 1- install the Arduino IDE.
- 2- In your Arduino IDE go to File => Preferences.
- 3- In the “Additional Board Manager URLs” Field write this link
https://dl.espressif.com/dl/package_esp32_index.json
then click ok.
- 4- Open Boards Manager and then go to Tools => Board => Boards Manager.
- 5- Search for (**ESP32**) and Press Install button for the (ESP32 by Espressif Systems).
- 6- Go to esp32 => tools folder and execute (get.exe) to compile ESP32 code.
- 7- This executable download the Xtensa GNU Tools and ESP32 SDK, and then unzip it to the appropriate location.
- 8- The D2 pin of the board is connected to the blue LED on the board.
- 9- Open the Arduino IDE and select the ESP32 Dev Module option under Arduino IDE => Tools => Board menu.
- 10- connect the ESP32 development board to the computer via micro-B USB cable. Once the board is connected, the communication or COM port must be set. On Windows machines, this will be like COM#, select this serial port under Arduino IDE => Tools => Port menu.

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