**LOLIN 32 INFO**

<https://docs.wemos.cc/en/latest/d32/d32.html>

<https://www.youtube.com/watch?v=0UiqDL8x7ek>

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For initial use, from the boards manager (find board at <https://dl.espressif.com/dl/package_esp32_index.json>) , download the esp boards from the internet. Then in the location;

**C:\Users\USER\Documents\ArduinoData\packages\esp32**

Clone the repository at

<https://github.com/espressif/arduino-esp32.git>

In the created folder, go to tools then in the folder run the application app.exe.

***BLUETOOTH***

To use Bluetooth, the following commands are used;

**#include "BluetoothSerial.h"**

**#if !defined(CONFIG\_BT\_ENABLED) || !defined(CONFIG\_BLUEDROID\_ENABLED)**

**#error Bluetooth is not enabled! Please run `make menuconfig` to and enable it**

**#endif**

**BluetoothSerial SerialBT;**

**void setup() {**

**Serial.begin(115200);**

**SerialBT.begin("ESP32test"); //Bluetooth device name**

**Serial.println("The device started, now you can pair it with bluetooth!");**

**}**

**void loop() {**

**if (Serial.available()) {**

**SerialBT.write(Serial.read());**

**}**

**if (SerialBT.available()) {**

**Serial.write(SerialBT.read());**

**Serial.println(" ");**

**}**

**delay(20);**

**}**

Then use the app, “**Arduino Bluetooth controller**”