# Youtube playlist

https://www.youtube.com/watch?v=yQxk5pGRUYg&list=PLciC3-3T2N8YkcVlGfFBNGvLlwemC4nzt

# Driver link

Cp2102

Silicon laps

**CP210x Windows Drivers**

<https://randomnerdtutorials.com/installing-the-esp32-board-in-arduino-ide-windows-instructions/>

<https://www.silabs.com/software-and-tools/usb-to-uart-bridge-vcp-drivers>

# List of components

Please give me a list of videos related to the project I am preparing using Arduino.

**Project Name:** Weather Station

**Components I have:**

* Two ESP32-WROOM-32 boards (one for the sender and one for the receiver)
* DHT sensor
* Two LoRa modules

# If lead not blink to blink lead with code

If your **ESP32 is only showing a red light (usually solid)** and not responding, here’s what it likely means and what you can do:

**🔴 Red LED on ESP32 – Common Meaning**

1. **Power Indicator**
   * A red LED on most ESP32 boards is just a **power indicator** (usually near the USB port).
   * If it's **solid red**, it usually means the board **has power** — this is **normal**.
2. **No Blinking or Serial Output?**  
   If it's only red and:
   * Not blinking
   * Not showing anything in the Serial Monitor
   * Not uploading code

Then there might be an issue with:

* + The **code you uploaded** (e.g., stuck in a loop or crash)
  + **USB cable or port** (try a different one)
  + **Boot mode or flash mode stuck**

**🧪 Try These Steps to Fix It**

## ✅ Step 1: Check the Serial Monitor

* Open Arduino IDE > Tools > Serial Monitor
* Set **baud rate to 115200**
* Press the **RESET (EN)** button on the board
* See if anything prints (like a boot message or crash dump)

## ✅ Step 2: Force Into Boot Mode (for uploading)

Sometimes the ESP32 won’t auto-enter bootloader mode.

* Hold the **BOOT** button (some boards label it “IO0”)
* While holding BOOT, **press and release the RESET (EN)** button
* Keep holding BOOT for 1–2 seconds, then release

Now try uploading your sketch again.

## ✅ Step 3: Upload a Simple Blink Sketch

Try uploading this minimal sketch to recover your board:

void setup() {

pinMode(2, OUTPUT);

}

void loop() {

digitalWrite(2, HIGH);

delay(500);

digitalWrite(2, LOW);

delay(500);

}

**⚠️ If still not working:**

* Try a different **USB cable** (many charge-only cables won’t work for data).
* Try a different **USB port** or **computer**.
* Check that you selected the correct **Board** and **COM port** in Arduino IDE.

Let me know your exact board model (e.g., DOIT ESP32 DevKit v1), and I can give you more specific help!