# EzloPi ADC POT Example

NOTE: Before moving into this example it is very necessary to check the device registration, provisioning and converting the ESP32 device into an EzloPi device along with knowledge of Ezlogic desktop app. All these information can be found in EzloPi User manual document.

1 ESP32 and POT circuitry setup.

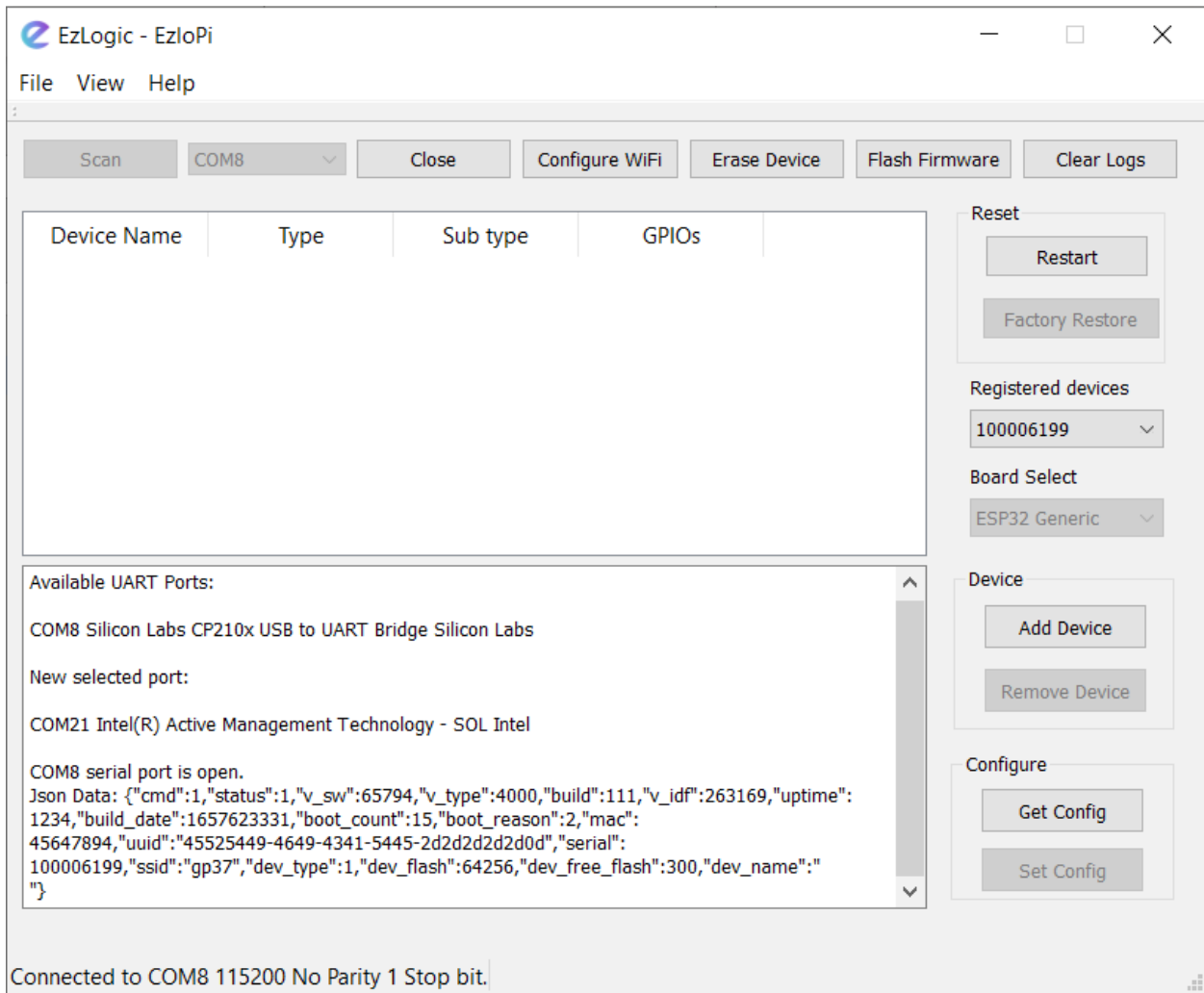For interfacing and using the ADC POT we need following components:

1. Potentiometer.

2. ESP32 device for converting it into EzloPi smart device

3. Power source for ESP32

The wiring diagram can be represented as:
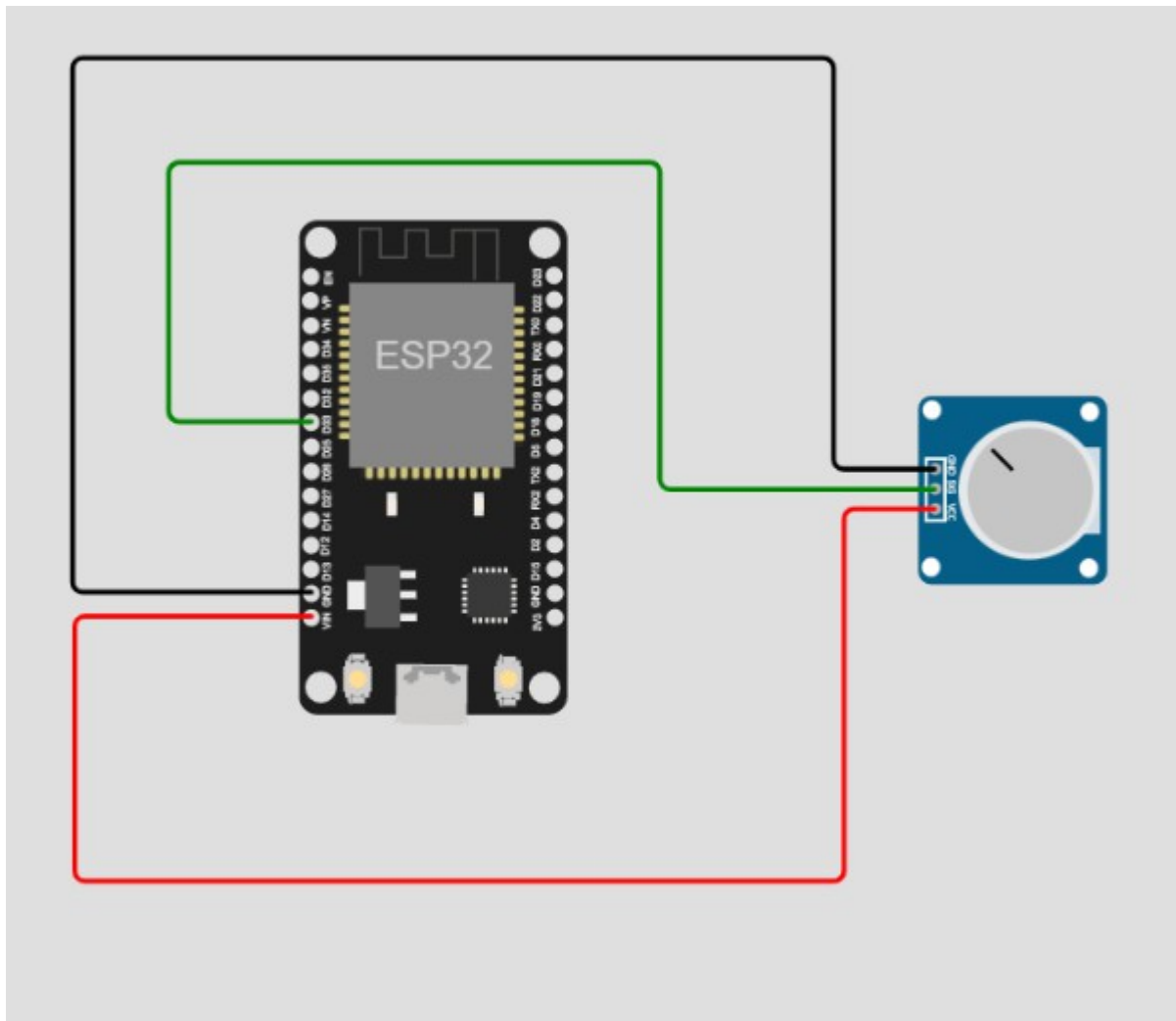
2 Adding ADC POT to the device from Ezlopi app:

Note that before moving to add any device a new device should be added and accessible from Ezlo mobile app.

Device adding will be started with the button **Add device** in the UI as above. From the dropdown shown at 2 select Analog Input, furthermore we need to configure the sensor we are using i.e. For now it will be POT(Generic).
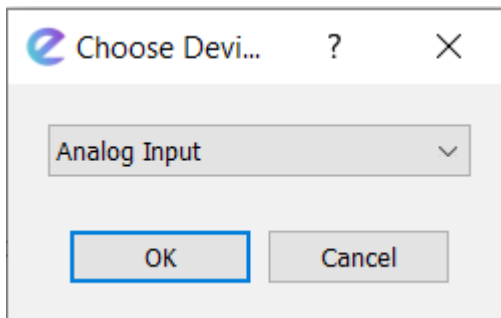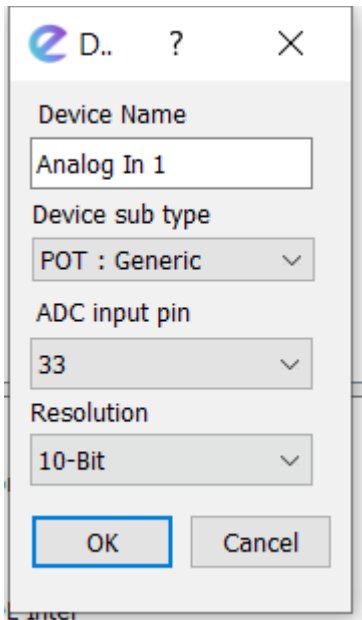
As in the above snapshots:

1. Click on "*Add Device*".

2. Select Analog Input and a dialog box as shown above will appear.

3. In that write Device name.

4. Select Device sensor name in "***Device SubType***" field which in our case is POT.

5. Lastly select the Connected GPIO pin and Resolution.

After it is being configured, send configuration to ESP32, which will command add the ADC device to the esp32.
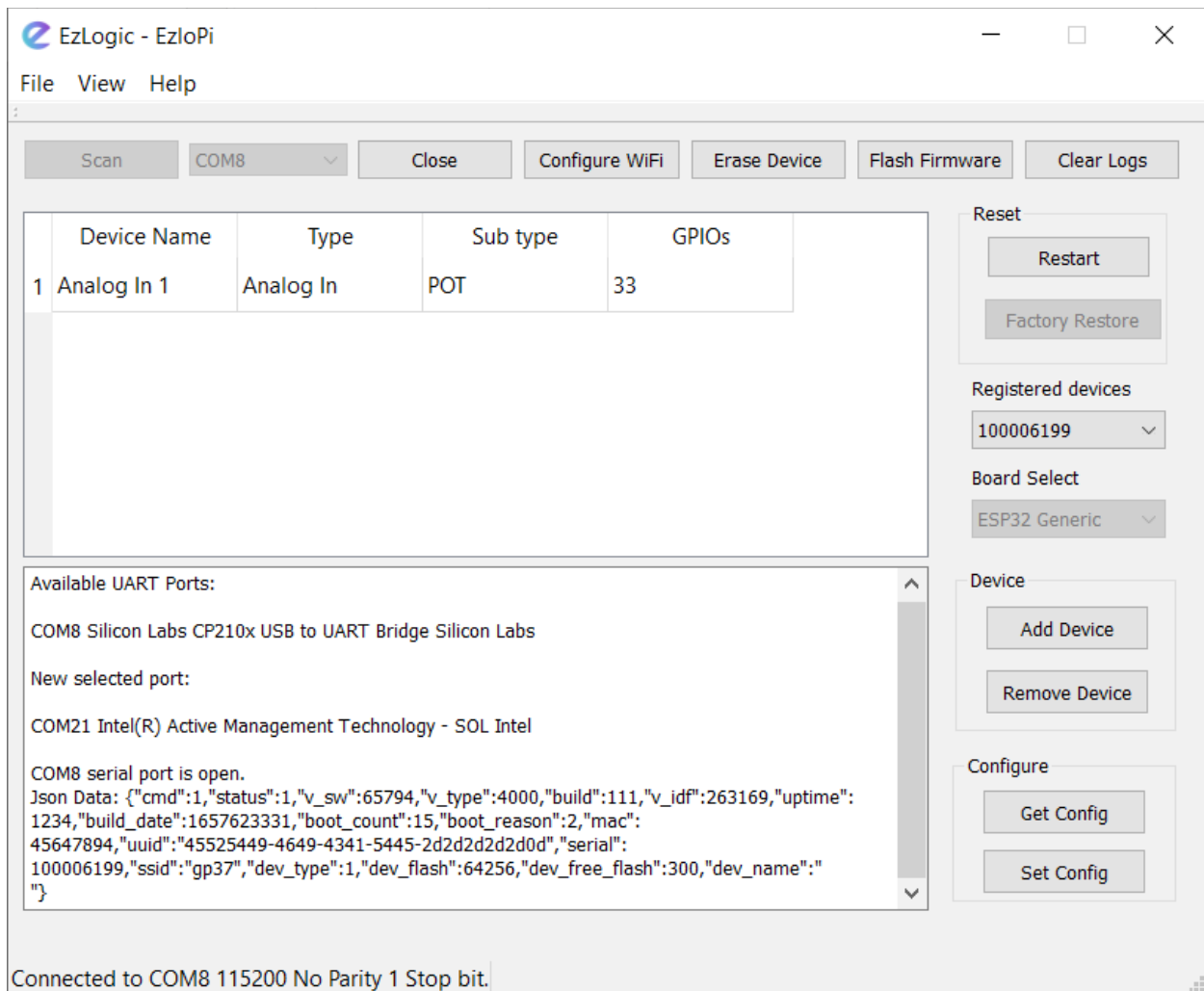
After configuration the display will look like above. Now Click on Set Config to send the configuration to the device. Which if successful will be displayed by a pop up as shown below.