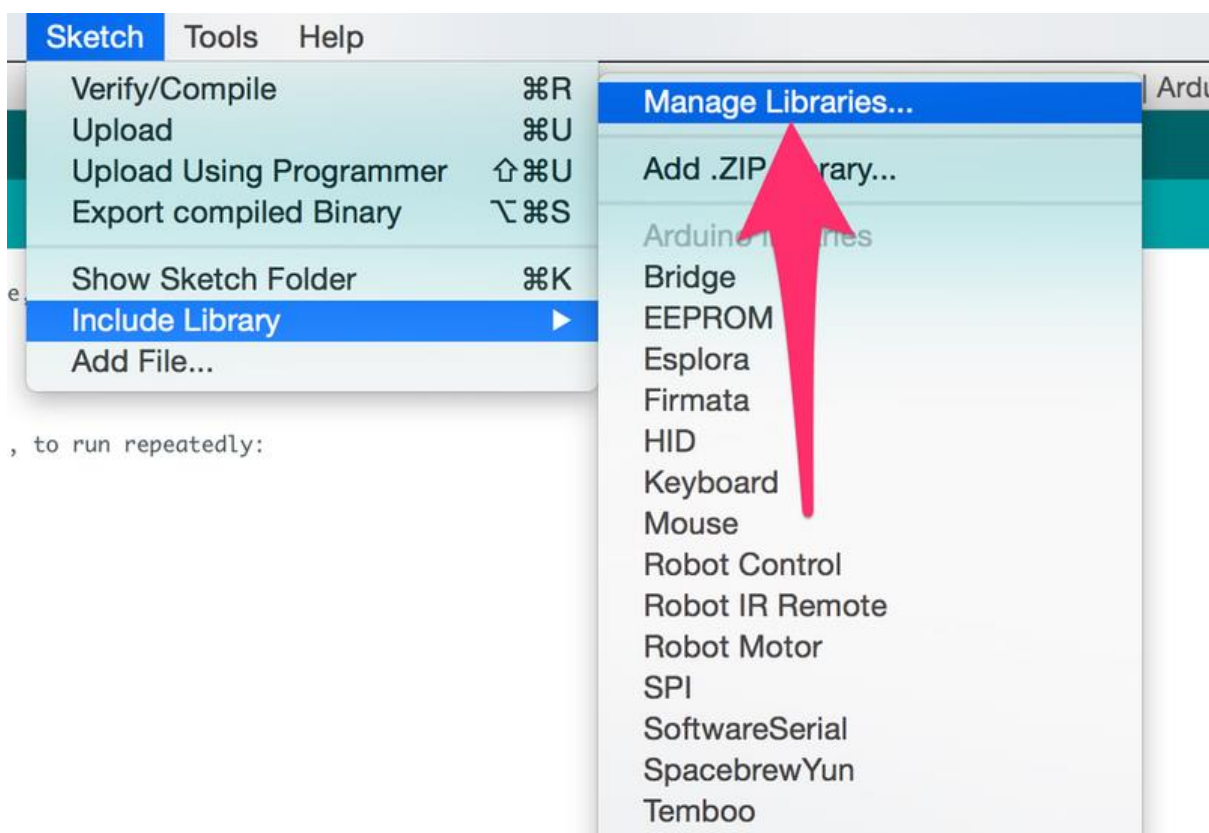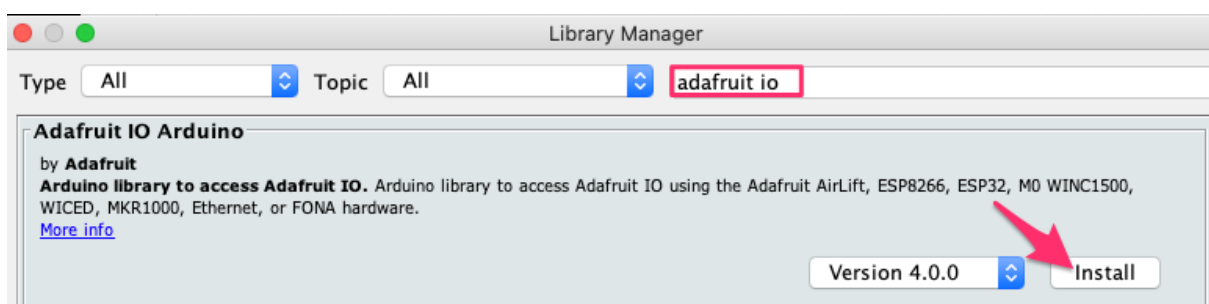# Adafruit IO

The ESP32 is an affordable, all-in-one, option for connecting your projects to the internet.
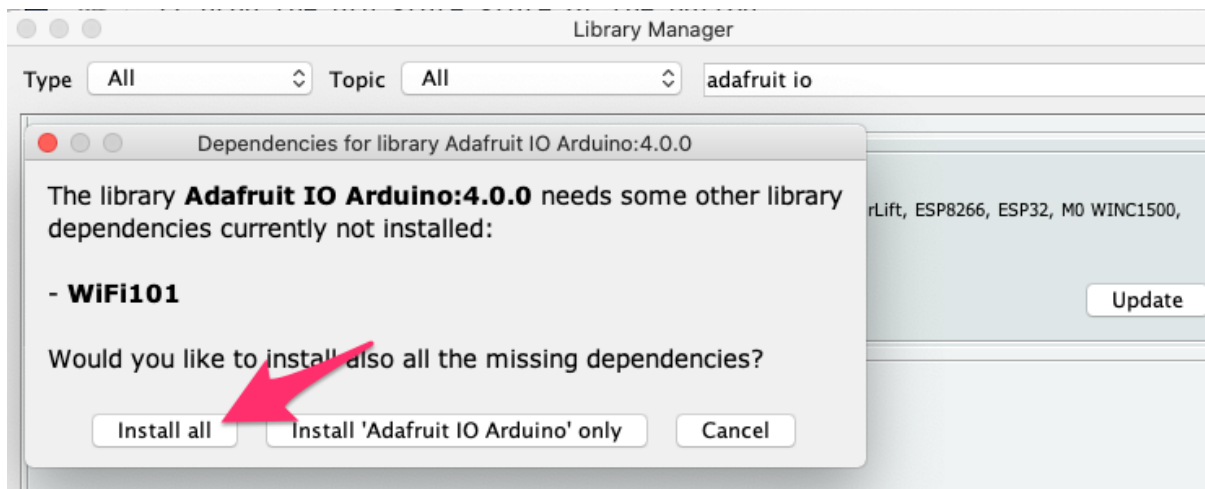
1. Install Libraries

In the Arduino IDE, navigate to **Sketch -> Include Library->Manage Libraries...**

Enter **Adafruit IO Arduino** into the search box, and click **Install** on the **Adafruit IO Arduino** library option

When asked to install dependencies, **click Install all**

2. Adafruit IO Setup

If you do not already have an Adafruit IO account, create one now. Next, **navigate to the Adafruit IO Dashboards page**.

We'll create a dashboard to visualize and interact with the data being sent between your ESP32 board and Adafruit IO.

Steps:

- **Click** the New Dashboard button.
- **Name your dashboard** *My ESP32* depending on your board.
- Your new dashboard should appear in the list.
- **Click** the link to be brought to your new dashboard.

We'll want to turn the board's LED on or off from Adafruit IO. To do this, **we'll need to add a toggle button to our dashboard.**

brubell › Dashboards › **My ESP32-S2**

⚙ ⌃

Dashboard Settings

⚙ **Edit Layout**

✛ **Create New Block**

⤢ **View Fullscreen**

Dark Mode ❓   ◯ off

Block Borders ❓   on ◯

Dashboard Privacy ❓   🔒 ◯

🗑 **Delete Dashboard**

brubell › Dashboards › **My ESP32-S2**

⚙ ⌄

LED

◯ 0