

Assignment 0 – Installation and Setup

Requirements

- Create Particle account
 - Install Particle Workbench
 - Install Fritzing
 - Add argon device to your Particle account
-

A. Create Particle account

In this course, we will use an internet-enabled microcontroller, specifically the Particle Argon. In order to communicate with the Argon (e.g. to install new firmware code), we will use Particle's cloud software.

- Open the internet browser of your choice and visit the site:
<https://www.particle.io/>
- Go to Login and create a new account

B. Install Particle Workbench

Workbench is the IDE we will use to write firmware code as well as to install it on the device

- Open the internet browser of your choice and visit the site: <https://www.particle.io/workbench/>
- Download and install Particle Workbench

C. Install Fritzing

Fritzing is a program to create visual layouts of device projects.

- Open the internet browser of your choice and visit the site:
<http://fritzing.org/download/>
- Download and install Particle Workbench

D. Add Argon device to your Particle account

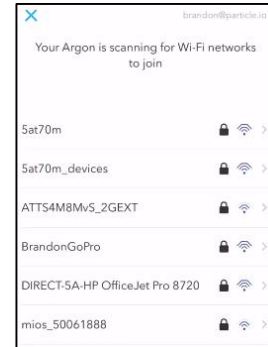
This step must be completed after you receive the Argon from the instructor. Each Argon device must be linked to Particle account.

- Follow the instructions to claim your Argon and link it to your account:
<https://docs.particle.io/quickstart/argon/#1-set-up-your-argon>
- Complete only step #1 (setting up Argon) and do not proceed any further.

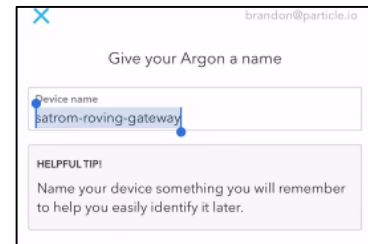
Important Notes

1. During the setup process, the mobile app will ask if you want to set up mesh networking. Choose the option **Do not use in mesh networking**

2. You may eventually need to connect it to multiple networks (e.g. at USC and where you live), but you will begin with a single Wifi network. When connecting to Wifi at USC, make sure to use **USC Guest Wireless**, not USC Secure Wireless



3. During setup, you will be asked to provide a name for your Argon. This is the name that you will use in your projects to reference your device throughout the semester so make note of it



Deliverables

1. There is nothing to submit for this assignment.