

Getting Started with Clyde

Basic Arduino Concepts

The Arduino board family are versatile electronics boards, but they do have at least one limitation. Each can only run one program at a time (or more aptly named, one sketch). As soon as you upload any of the sketches that will be discussed in this section, Clyde will lose its basic functionality. Consider yourself warned! Before uploading any sketch, make sure you are able to go back to the default behaviour as detailed here: [Getting Started with Software](#)

Arduino sketches

A sketch has two main sections:

- a setup function, things that need to be done on startup go here
- a loop function, things that need to be repeated go here. This function will run as long as Clyde is powered (even if the lights are off)

You can read [Arduino's Bare Minimum](#) for more details and explanations. The Arduino tutorial website is perfectly valid for Clyde.

You will find header files included at the top of a sketch. They allow access to outside libraries, with more advanced functionalities. More info on the Arduino website: [What are header files?](#)

Also, any line that is contained between a `/*` and a `*/`, or alternatively any line that starts with `//` is a comment. It will be ignored by Clyde (and all Arduinos) and are meant solely for human eyes.

As Clyde is basically an augmented Arduino Leonardo, it's useful to know the basics of pins. Please refer to [Arduino Digital pins](#) and [pinMode\(\)](#) for a good starting point.

Two basic Arduino functions are needed to interact with Clyde, although Fabule provides easier methods to talk to Clyde. Please familiarize yourself with [digitalWrite\(\)](#), [digitalRead\(\)](#), and [delay\(\)](#)

About Fabule

Founded by designers, Fabule makes unique domestic devices with a lot of personality. We are committed to creating smart products that make you feel smart. You can easily open, upgrade, tinker with or repair anything we design, and make it truly yours.

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