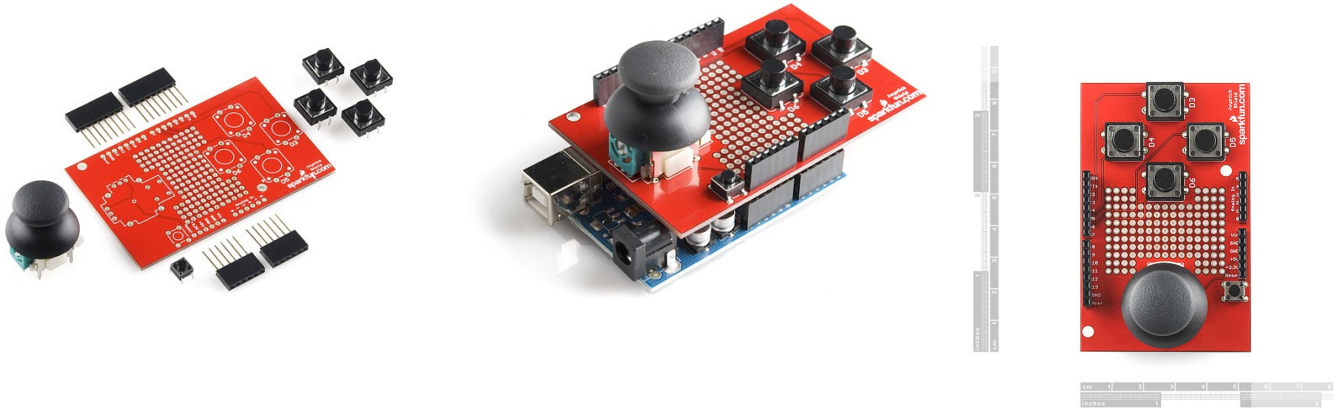


SparkFun

Joystick Shield Kit

sku: DEV-09760



Description: The Joystick Shield kit contains all the parts you need to enable your Arduino with a joystick! The shield sits on top of your Arduino and turns it into a simple controller. Five momentary push buttons (4+ joystick select button) and a two-axis thumb joystick gives your Arduino functionality on the level of old [Nintendo controllers](#). Soldering is required, but it's relatively easy and requires minimal tools. We even have a [step by step guide!](#)

The momentary push buttons are connected to Arduino digital pins 2-6; when pressed they will pull the pin low (utilizing the internal pull-ups of the Arduino). Vertical movement of the joystick will produce a proportional analog voltage on analog pin 0, likewise, horizontal movement of the joystick can be tracked on analog pin 1.

This product is the entire kit and contains the following items:

- 1x [Joystick Shield PCB](#)
- 4x [Momentary Push Button Switch - 12mm Square](#)
- 1x [Thumb Joystick](#)
- 1x [Mini Push Button Switch](#) (breaks out Arduino's reset switch)
- 2x [6-pin Arduino Stackable Header](#)
- 2x [8-pin Arduino Stackable Header](#)

Documents:

- [Joystick Assembly Tutorial](#)
- [Joystick Quickstart Guide](#)
- [Schematic](#)
- [Eagle Files](#)
- [Arduino Sample Sketch](#)