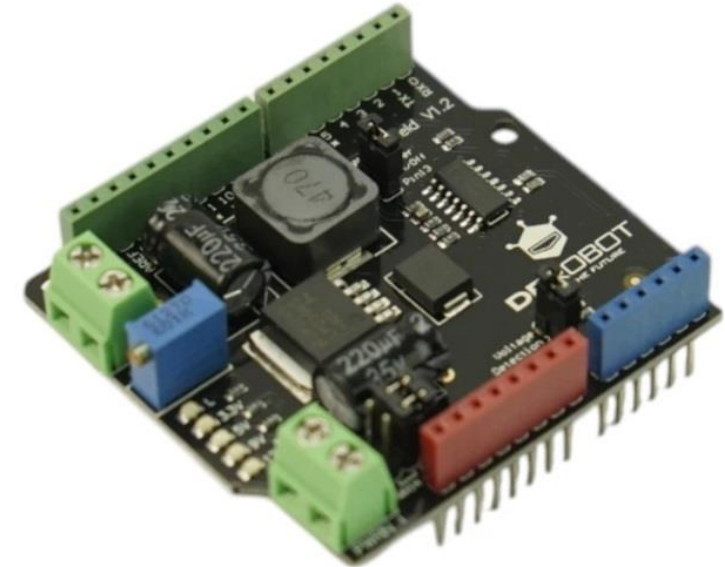


Power Shield Arduino Compatible

Overview

Many Arduino projects may need more than two voltage supplies. When fed with 4.5-35V, this power shield is able to provide a voltage range from 1.25-12V with 3A peak current. Ideal for servo control and other non-standard components. With this shield, your Arduino can now have one power supply for everything.

The power shield has a built-in voltage measuring function which maps the output voltage to Arduino analog pin 0. It can be controlled by Arduino digital Pin 13 to switch on/off.



Order Code

Order Code	Brand	Description
E06006-001	DFRobot	Power Shield Arduino Compatible

Power Shield Arduino Compatible

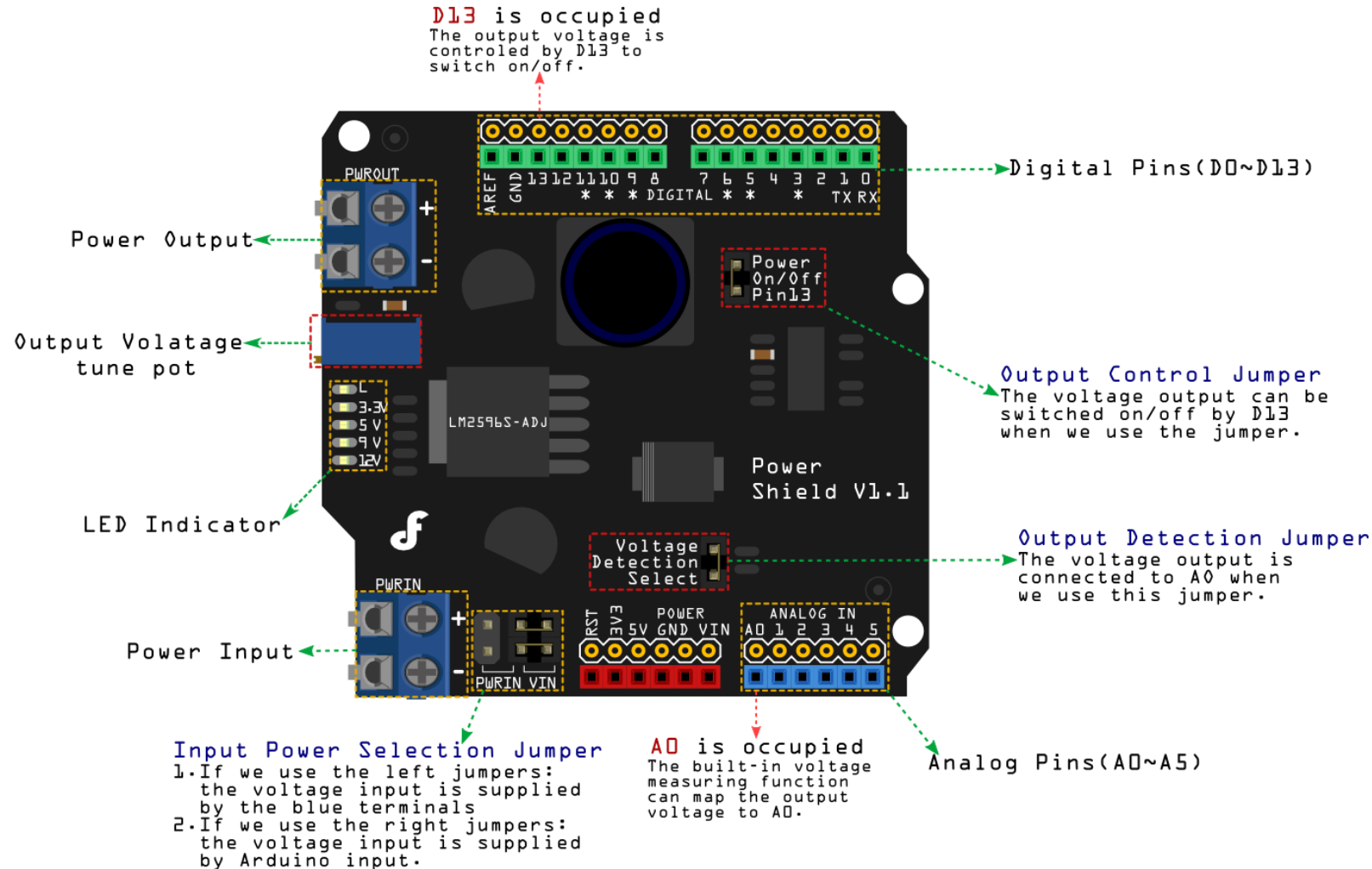


Specification

- Supply voltage:4.5-35V
- Output voltage:1.25-12V
- Output current: 2A (3A peak)
- Efficiency:90%

Power Shield Arduino Compatible

Pinout



Tutorial

Usage

There are **two methods** of operation with this shield, you can:

1. Use this shield to regulate external power supply to provide the proper voltage to your Arduino
2. Directly level it for servo/modules high power devices

Note for the jumpers near to the Power Input socket:

Both jumpers are on left side: This method will only provide regulated power to the PWROUT. i.e. There is no voltage on Vin which is connected with Arduino .
Top jumper is on left side, bottom jumper is on right. This will provide regulated PWROUT, adjusted via the blue potentiometer next to the PWROUT connector. Arduino Vin power will be connected to the external power supply. |

Stack up more power shield to add up different power level outputs. If your Power supply is incompatible with your device and you need to provide power for other devices as well. Adding another power shield will let you regulate a secondary voltage level as well.

Power Shield Arduino Compatible



Revision History

Date	Revision	Change description
30/10/2025	1.0	Initial release