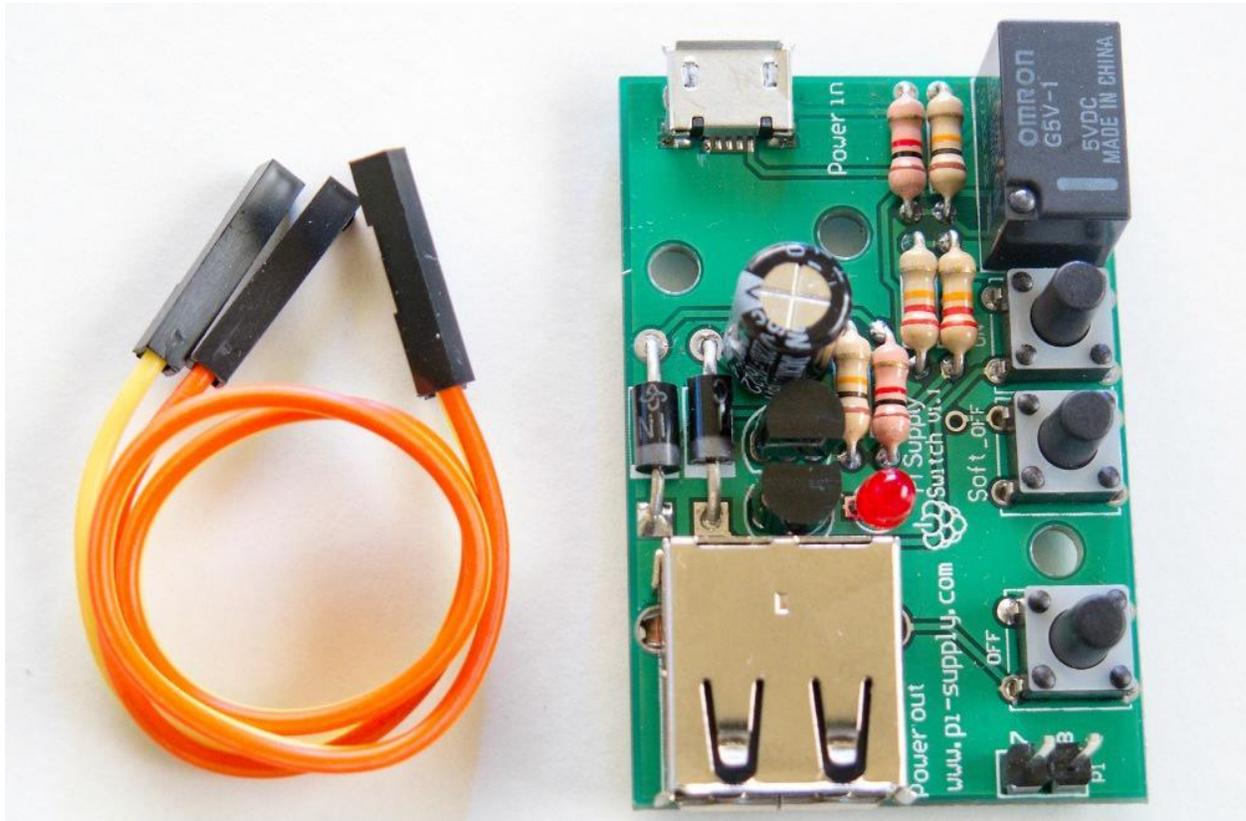# Pi Supply Switch – On/Off Power Switch for Raspberry Pi

SKU: PIS-0026

The Pi Supply Switch is the solution to all of your Raspberry Pi power management problems. It is an "intelligent", ATX style power supply switch for the revolutionary Raspberry Pi computer. It allows you to leave all of the power wires from the "wall wart" all the way through to the Pi permanently connected with just the quick push of a switch to turn the power on or off. Simple!

The Pi Supply Switch is compatible with the Raspberry Pi3. Please read the Assembly Guidefor further information.

Get one of the Pi Supply printed circuit boards, as well as all of the parts you need to put it together into a working unit, including a flat noodle USB cable to connect to your wall-wart power supply. Also includes a free Pi Supply sticker.

Description

Please note: the low voltage issue on the Raspberry Pi 3 with the Pi Switch has been solved with a new shorter thicker USB cable
The Pi Supply Switch is the solution to all of your Raspberry Pi power management problems. It is an "intelligent", ATX style power supply switch for the revolutionary Raspberry Pi computer. It allows you to leave all of the power wires from the "wall wart" all the way through to the Pi permanently connected with just the quick push of a switch to turn the power on or off. Simple!

Pi Supply Switch Features:

- Pi Supply Switch printed circuit board (PCB) v1.1
- All through hole components for assembly
- Flat USB noodle cable
- Two free Pi Supply stickers
- Comes as a kit – easy assembly with some basic soldering

How does it work?

Once you have finished using your Raspberry Pi, you just shutdown using the sudo halt command, and then a couple of minutes after the full and safe shutdown the Pi Supply Switch cuts the power to the computer. From this point, once again, all you would need to do to restore power to the Pi is touch the on button.

There is also a hard power off button for use in emergencies which immediately cuts the power to your Raspberry Pi. Remember to only use this button when absolutely necessary (e.g. Pi has been frozen for a long time) as it risks corruption of the files on your SD card if done at the wrong moment.

What makes the Pi Supply Switch superior to other makeshift solutions available is that it allows you to restart the Raspberry Pi using the sudo reboot command without the power turning itself off. Perfect!

Putting it together

We have made the Pi Supply Switch a self-solder kit which is quick and simple to put together – even for an absolute beginner to electronics. This means as well as being a nifty little bit of kit to manage your Pi's power, it is also a great intro to electronics and soldering. As you can see from the pictures the input and output of the switch is fed by a standard USB connection. We even provide you with the USB cable. Once soldered together, is essentially "plug-and-play" with your existing "wall wart" power supply unit.

We have even packaged the circuit into a small profile so that it fits neatly into your workstation. The Pi Supply Switch is an essential piece of kit for all Raspberry Pi users!

Resources

You can find the assembly guide and code examples for the Pi Supply Switch at the following links:

Assembly guide
The code below has been superseded and left as reference for Wheezy installations. Please refer to our GitHub repository for the new Jessie compatible software and an updated connection scheme.
Code examples

Product video

Here is a video about how to assemble the Pi Supply switch.

There is also a short review at RasPi.TV here – http://raspi.tv/2013/pi-supply-atx-style-power-switch-for-raspberry-pi-review

Additional information

WEIGHT	0.050 kg
DIMENSIONS	13 x 10 x 1 cm