

A guide to dual ATX power supplies.

Fancy adding a second power supply for a ten quid? Well all you need is a second PSU for five pounds and another five pounds of bits. Assuming you have room in your case for two PSUs, like the Juno P6 case from Overclockers UK (www.overclockers.co.uk).

Why do you want or need a second power supply? Well think of all those cooling fans, hard drives and all those other little peripherals. Like a couple of 42 watt peltiers, which draw a few watts! And any way you can brag to all your mates about your dual PSUs.....

1. On the second (slave) PSU ground pin 8. By connecting the grey wire (Power Good) from pin 8 with any black wire (common), solder together, then insulate to prevent shorting (e.g. heat shrink).

2. On the second (slave) PSU. Cut a black wire (a common), and then the green wire from pin 14. Terminate wires with suitable connector, I suggest you use a male connector.

I think when I read this method some where else they used Molex connectors (same connector as on your hard drives). But I wouldn't use those unless you have an account with RS (rswww.com), I would suggest some modeling connectors from Maplin (www.maplin.co.uk). You will need three male (order code - GZ98G) and three female (order code - GZ99H).

3. On the first PSU (master). Cut a black wire (a common), and the green wire from pin 14. Terminate the wires from the PSU with a male connector and the wires from the mobo with a female connector. Make sure the colors are matched to each other in the sockets, e.g. green to green & black to black.

4. Now you need to make a Y splitter. Make it so there are two sets of wires coming out of the male connector and at the end of each set of wires terminate with a female connector.

5. Connect the Y splitter to both PSUs and the connector from the mobo, make sure the colors are matched to each other in the sockets, green to green & black to black.

6. Plug in the power cords, check the voltage selector is set to 230 volts and then switch on the PSUs. But **before doing this check your wiring, green to green & black to black and they are from the right pins.**

If you have any problems or suggestions you can email me or for wider help post a message on the OcUK message board (<http://www.overclockers.co.uk/ubbcbgi/Ultimate.cgi>).

I assume no responsibility what so ever for ANY damage or injuries resulting from this installation (just call me silly for saying that).

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www.picard.demon.co.uk/atx.htm

Jobjohn - Christians aren't nice people!

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