



## PS2 Setup guide



### Safety warning

THIS KIT IS NOT FOR BEGINNERS !

This kit is main powered and use potentially lethal voltages. Under no circumstance should someone undertake the realisation of this kit unless he has full knowledge about safely handling main powered devices.

Follow the testing procedure in the shown order. If one test fails, find out the problem, correct it then resume.

| Step                              | Description   |
|-----------------------------------|---|
| 1. Test setup                     | <p>Work on a clear area.</p> <p>The power chord is not connected yet.</p> <p>During the test, always remove power by unplugging the power chord. Turning off the power switch is not sufficient because it only cuts one phase of the mains.</p> <p>To adjust the output voltage, you need an insulated screw driver.</p> <p><b>Warning</b> : NEVER USE A NON INSULATED SCREW DRIVER ! There are several points that carry high voltage that will kill you if you accidentally touch them with an uninsulated screw driver.</p> |
| 2. Fuse installation              | <p>Insert the fuse :</p> <p>Slow blow 3.15A</p>   |
| 3. Potentiometer initial position | <p>Turn P1 counter clockwise about 10 turns.</p>  |
| 4. DMM installation               | <p>Set your DMM on DC Volts, on a 60V scale.</p> <p>Install the test hooks between test pins [GND] and [+30V].</p> <p><b>Warning</b> : Make sure you are not creating any short circuit with the test hooks.</p>  |
| 5. Voltages check                 | <p>Apply power and check the voltage on the DMM. You should read close to 30Volts.</p> <p>Remove power.</p> <p>Install the test hooks between test pins [GND] and [-30V].</p> <p>Apply power and check the voltage on the DMM. You should read close to -30Volts.</p>   |
| 6. 48V Setup                      | <p>Install the test hooks between [GND] and [+48V]</p> <p>Apply power and check the voltage on the DMM. You should read around 40V.</p> <p>Move P1.</p> <p>If the voltage follows the potentiometer moves then you are OK, adjust the voltage to +48V.</p> <p>If the voltage does not follow the potentiometer moves then remove power and check the circuit for mistakes.</p> <p>Remove power.</p>   |
| 7. LEDs check                     | <p>Once the voltage is set, the 3 LEDs should shine at about the same intensity.</p>  |



| Step               | Description   |
|--------------------|---------------|
| 8. Congratulations | You're done ! |