



EQP501 Setup guide

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

Always unplug power between steps because it is very easy to create a short circuit when moving a DMM probe. And most of the time, shortcuts are fatal to the circuits.

Step	Description
1.	Initial setup Unplug the Discrete Op-Amp (DOA). Set all the potentiometers to minimum.
2.	Board installation Plug the EQP501 into your 500 connector Extender, if you own one or... Remove all other modules from you 500 rack or Lunchbox and insert the EQP501 into the leftmost slot.
3.	Power voltages check Set your DMM to DC Volts on a 20 V scale. Power up. Connect the black probe to test point 0V. Connect the red probe to test point V+. Check that you get a value between 15 and 16 Volts. Connect the red probe to test point V-. Check that you get a value between -15 and -16 Volts. Power off.
4.	DOA check Plug the DOA in. Connect the black probe to test point 0V. Connect the red probe to test point TP2. Power up and check that the voltage stays near 0V. A few millivolts is still OK. The LED on the DOA should be lit. If the voltage is not zero, power off immediately and check your DOA.
5.	EQ check Connect a sound source to the EQ input. Move the high frequency rotary switch between a bypass position and one of the frequencies. - Check that the panel green LED turns on, - Check that the output level remains the same.
6.	Sound check With the bypass off, check that all the EQ controls work as expected.
7.	Congratulations! You're done!