



## DI503J 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 Release all the push switches, Set all the potentiometers to minimum.
2.	Board installation Plug the DI503J into your XT500 connector Extender, if you own one or... Remove all other modules from you 500 rack or Lunchbox and insert the DI503J 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 or to the lunchbox chassis. Connect the red probe to test point V+. Check that you get a value between 1.5 and 1.6 Volts. Connect the red probe to test point V-. Check that you get a value between -1.5 and -1.6 Volts. Connect the red probe to test point H. Check that you get a negative value which decreases as the tube warms up and stabilises between -5V and -6V. Connect the red probe to test point HT. Check that you get a value above +45V. Power off.
4.	DI check Connect the lunchbox output XLR to a preamp and monitor the preamp output. Connect an instrument or any signal source to the INSTRUMENT jack input. Power on and check you can hear the signal at the same level on the 3 DI paths: Passive, FET and tube. Check that the INSTRUMENT signal is also present on the OUT jack.
	DI Preamp check Remove the preamp and connect the lunchbox output XLR directly to your monitoring. Press the preamp ON switch and check that the PREAMP knob controls the signal level.
	DIST check Set the DI503J on TUBE and press the DIST switch. You should hear a level change. Set the instrument level low enough to stay under the level where the distortion becomes audible. Adjust the trimmer TRI in order to get no level change between DIST on and DIST off.
5.	RE-AMP check Send a signal to the lunchbox input XLR. Connect the OUT jack to an amp. Press the RE-AMP ON switch and increase the level knob until you hear the signal coming out of the amp.
6.	Congratulations! You're done!