



DIO2 Test 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 shortcut when moving a DMM probe. And most of the time, a shortcut will kill your board.

Step		Description
1.	Short circuit check	Do a basic short circuit check with your digital multimeter (DMM) set to Ohms : <ul style="list-style-type: none"> • Between 48V and V+ terminals • Between 48V and 0V terminals • Between V- and 0V terminals • Between V+ and 0V terminals All values should be above 1 000 ohms.
2.	Board installation	Install the DIO2 board in the SKMP case as described in the “SKMP Assembly Guide” document.
3.	Test setup	Connect the PSL1 or PSL2 power supply leaving the mains plug disconnected. Leave all the micpre boards disconnected.
4.	Power check	Plug in power and check that the 3 LEDs on the power supply unit (green, red, yellow) are lighting normally. If one or more LED is staying off or is lighting too low or too bright, immediately plug off power and start checking your board and the XLR connections. Plug off power.
5.	± 15V check	Set your DMM to DC Volts on a 20 V scale. Connect the negative lead to the ground bar on the back panel. Plug in power. Check presence of ± 15V on pins 13-14 and pins 21-22. Warning : Be extremely careful not to touch adjacent pins. Use a thin probe. Warning : Some 7915 regulators need a minimum output current to regulate and, without load, you may read an output voltage of about -20V instead of -15V. The voltage will come back to normal as soon as a mic pre board is connected. Plug off power.
6.	DI check	The DI inputs will be checked as you test the micpre boards.

