

Installation instruction for 510/530 opt 2.

Parts included:

- opt 2 board
- 3 BNC connectors (with nuts)
- 3 star washers
- 4 flat washers
- 2 nuts (they tighten on to the switches, holding the board onto the chassis).
- 1 lug (for use on SR530 only)

Tools needed:

- Phillips head screwdriver
- Adjustable wrench (or set of hex drivers)
- Soldering Iron

1. Remove top and bottom covers of SR510/SR530
2. Remove cover plate on rear panel (covering the internal oscillator BNC's). If modifying an SR530 two ground wires will be attached to the right screw.
3. Install the three BNC's on the rear panel, using the star washers (for an SR530 install the lug on the far right BNC and solder the green ground wires to the lug).
4. Place 2 of the flat washers on each switch (they are used as spacers).
- 5 Carefully install the pc board (with the washers) onto the SR510/SR530, and attach the board to the chassis with the 2 nuts on the rear panel of the lock in.
6. Solder the short wires from the opt 2 board to the BNC connectors (they solder in order left to right).
7. Locate on the main pc board the thru-holes for +20V, -20V and ground. (see photo)
 - +20V is located near C931 and J1. It is marked "+"
 - 20V is located near U806 and is marked "-"
 - Ground is located between C930 & C927 and is marked "G"
8. Solder the long wires from opt 2 board into the power and ground thru-holes on the main pc board. Make sure that the wires are connected to the correct thru-hole (+20 to +20, etc), or you will damage the oscillator board (It's wise to use a meter and ohm them out).
9. Turn on the instrument and test out the board. The Symmetry, amplitude and frequency pots should already be adjusted. You might have to re-adjust if you moved any of them during installation.





