



## **Instructions for installing DG645 rear panel output boards**

The procedure for installing the rear panel boards is same for options 1,2 and 3.

Tools needed:

1. Phillips head screwdriver

Parts Included:

1. 3 output boards
2. 1 vertical board
3. Lexan (for opt 2, & 3)

Instructions:

1. Remove the top cover.
2. Remove the cover plate on the rear panel (save the screws, you might need them for the option board installation).
3. Make sure the instrument is unplugged. Leave it powered off for at least  $\frac{1}{2}$  an hour before installing the option boards (to drain off the power supply voltages, so you don't damage your options boards when installing).
4. Assemble the option boards outside of the instrument (connect the boards with the BNC's to the vertical board.). Make sure you are properly grounded.
5. Carefully install the assembled boards into the DG645 (it will be flimsy until the screws are installed). Make sure to line up the BNC's with the rear panel holes. Check to see if the vertical board is properly seated in the connector.

6. Install the screws that were previously removed, to fasten the BNC's to the rear panel. Make sure that the BNC's are flush with the rear panel before tightening the screws.
7. Power the instrument on. Wait for it to finish booting up. Press the "Shift" key, then "Status" (6), then the up arrow until display reads "inStr Status", then the status key (6) until the display reads "rEAR oPt". It should display the option that you have just installed.
8. Place the lexan (peel and stick) on to the rear panel (for option 2, 3 only). For option 2 place the red lexan next to the serial number. For the option 3 place the lexan over the BNC connectors.
9. Install the top cover.



