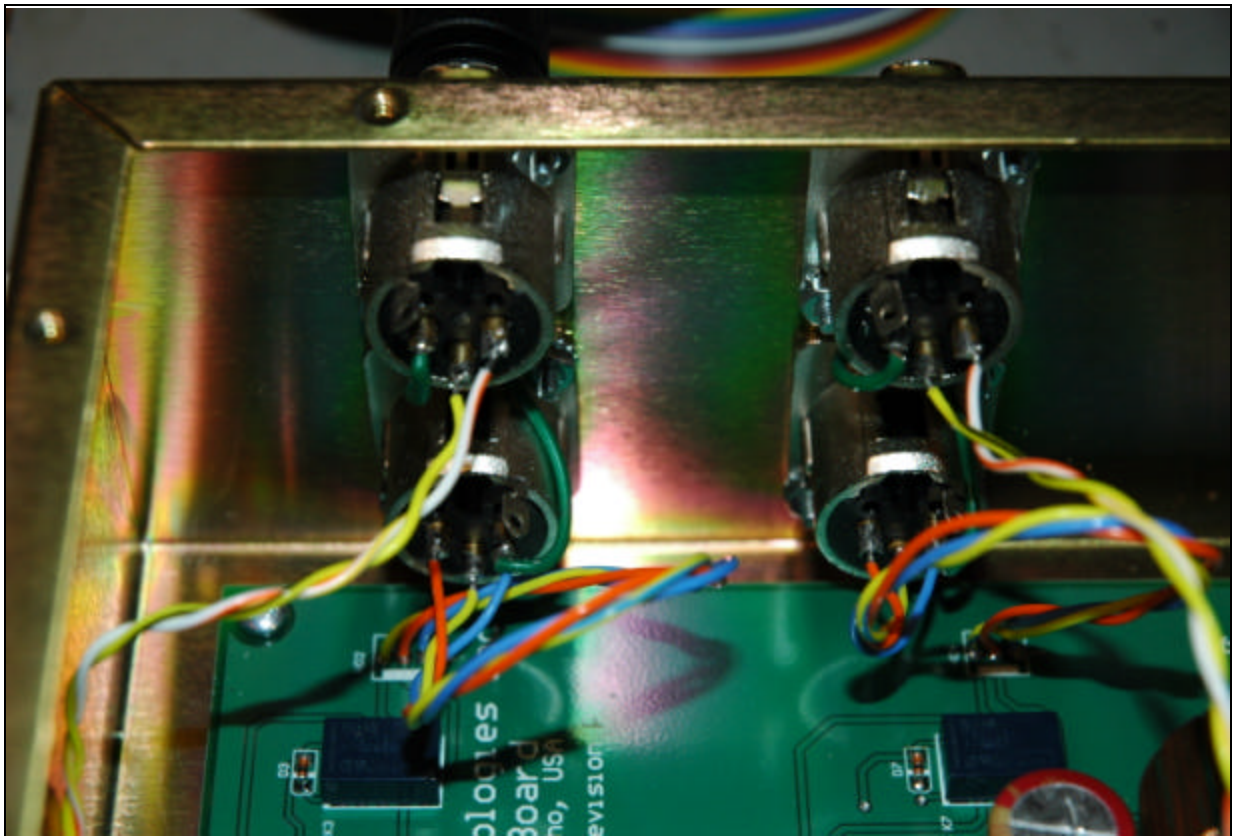


**F(t) Forssell Technologies Inc**  
**Upgrade PCB for NSEQ-2™**  
**Installation Instructions**

1. Unplug AC power from the unit and remove top cover.
2. Unsolder wire from the input and output XLR connectors for each channel. Be sure to do this at the connector, not at the PCB.
3. If there is a jumper connecting pin #1 to the chassis tab of any XLR connector, remove this jumper.
4. Unplug all ribbon cables and the power supply connector from the old PCB.
5. Unscrew the 6 mounting screws and remove old PCB from chassis.
6. Place new PCB in chassis and reinstall the 6 mounting screws (tighten AFTER all six screws are installed)
7. Plug in ribbon cable and power supply connectors.
8. Solder the new input and output cable to the XLR connectors. Make sure that your connections match the enclosed photo, and that there are not pin #1 to chassis jumpers.
9. Check for any loose debris or bits of wire and remove them from chassis.

Please note that the three pads used for IO connections are wire/numbered to be the same as the XLR connectors (i.e. pad 1 to pin 1, pad 2 to pin 2, and pad 3 to pin 3). There is no pin 1 connection on the PCB input pad 1.

That's it.



## **Jumper Settings....**

High Range Boost/Cut settings (Front panel switch in “Out” position)

+/- 18 dB = No Jumper installed

+/- 12 dB = Pos 1 and 6

+/- 10 dB = Pos 2 and 7

Low Range Boost/Cut settings (Front panel switch in “In” position)

+/- 10 dB = Pos 3 and 8

+/- 6 dB = Pos 4 and 9

## **Note....**

The stock NSEQ-2™ has a high boost/cut range of 18 dB and a low boost/cut range of 10 dB. This upgrade PCB is shipped with the high boost/cut range set to 12 dB and the low boost/cut range set to 6 dB.

## **New function of the In/Out switch and for the “TT” switch...**

The upgrade PCB comes standard with a balanced input configuration. The stock unit had this as an option. If your EQ had this option, then even when the unit was bypass (switch out), the balanced amplifier was in the circuit. With the new PCB, when the EQ is switched out, all of the active circuitry is hardwire bypassed.

Since the new PCB does not have vacuum tubes we have reassigned the function of the “TT” switch. This switch now switch between Balanced (switch out) and Single-ended (switch in) modes. When the “TT” switch is pressed in, the balanced input amplifier is bypassed thereby reducing the number of amplifiers in the signal path from two to one. You may (or may not) find sonic benefits to this configuration, but please note that grounding can be an issue in some systems when using the single-ended mode.

All other functions of the NSEQ-2™ remain as they were with the stock unit.

**Please note that Millennia Media Inc owns the stock NSEQ-2™ design. However Forssell Technologies Inc owns the upgrade PCB design. Installing the upgrade PCB will void your warranty with Millennia Media Inc. Should you require servicing, please contact Forssell Technologies Inc for assistance.**

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Forssell Technologies Inc  
235 Wild Horse Trail  
Sandpoint, ID 83864  
208-263-0286  
[fred@forsselltech.com](mailto:fred@forsselltech.com)  
[www.forsselltech.com](http://www.forsselltech.com)