

## **It is important to check the DNM 3D Pre-Amplifier and Power Supply for transit damage.**

Remove the packaging material before using the pre-amplifier but please retain the packaging material in case the units ever need to be despatched - it is essential for safe transit.

The Pre-Amplifier and 3D Twin or Six Power Supply have cardboard inserts at the top inside to hold the plug-in boards in place during transit. The Pre-Amplifier also has packing material or 4 nylon screws below the motherboard to hold the Power Supply Distribution board in place during transit.

In order to remove the packaging, first remove the outer sleeve of each unit. We suggest that you work over a high level padded surface (a table top covered in cloth or foam rubber) to remove the sleeves so that if anything drops it will not be damaged.

The sleeves are held in two ways:-

- 1) the four rubber feet enter past the sleeve thickness and they therefore prevent the sleeve from sliding off.
- 2) a single plastic screw underneath holds the sleeve to a threaded bush inside the unit.

Remove the four rubber feet---they will pull out.

**Please ensure that you have a good grip on the sleeve so that the chassis cannot fall out** and then unscrew the single M4 plastic screw on the pre-amp, this can be done by hand-it will probably not require a screwdriver. The single M5 screw on the power supply is slightly tighter and may require a screwdriver of the correct size (the same width as the screw slot).

Then slide the unit out of the sleeve- it may be a little stiff because of the cardboard inserts holding down the printed circuits.

**Please be careful after the packaging is removed because the chassis can slide right through the sleeve and fall down.**

There is also a cardboard insert holding the Twin and Six Power Supply plug-in boards and 2 nylon screws hold the Signal Transfer board underneath the power supply motherboard to ensure that this board does not loosen in transit. Check that the Signal Transfer board is firmly pressed in.

### **Checking the Pre-Amplifier plug-in boards**

Please note that in the pre-amplifier all the plug-in boards are fitted so that the 32 way connectors are on the left hand side of the pcb in the chassis (from the front of the pre-amplifier) and the connectors will allow insertion only one way round.

Inside the pre-amplifier (viewing from the front of the pre-amp) from left-to-right there are motherboard slots for up to 2 pairs of RIAA amplifier boards, moving coil or moving magnet in any combination. From left to right-- the left set are left and right channel and they are selected in the "up" position of the front panel toggle switch.

The next pair towards the right are another set of RIAA boards selected by the "down" position on the front panel toggle switch. Please note that the centre position of this switch is "off" for all the RIAA boards and no signal will get through to the main rotary selector.

The left and right channel LN boards (line amplifier) are fitted at the right end of the pre-amplifier. Check that they are fully inserted but note that before fitting the LN boards you need to look closely at the 2 U shaped pins that connect each LN board to

the volume control board just behind the front panel. If the line boards have lifted out during transit it is important to ensure that these connecting pins are properly engaged before pushing the boards in.

When this is done (and all plug-in boards are securely in place) refit the sleeves. Slide each sleeve over the chassis and make sure the hole in the fixing bush aligns with the fixing hole in the sleeve. If it does not then simply turn the sleeve around and re-fit it. The sleeves for the pre-amplifier and the power supply are identical. Fit the holding screw and do it up finger tight. Then re-fit the four rubber feet in each sleeve--if these are hard to fit use a small amount of liquid soap mixed with water to lubricate them.