

ObjectiveAudio

Tascam DM24 - Installing the New PC Power Supply

The following work should be done by a qualified technician:

- 1) Open the top of the DM24:
 - a. Remove 15 Phillips head screws securing the top panel of the mixer: 5 from each side and 5 from the rear of the mixer
 - b. The top of the mixer is hinged near its armrest and will open up further than you want. With the mixer sitting on a level surface and with support ready for holding it open, carefully open the top of the mixer, by lifting from the two rubber feet on the rear of the mixer.
- 2) Remove the old switching power supply, which is the supply mounted on the bottom portion of the mixer in the right front:
 - a. Remove the top shield of the supply by cutting the two plastic tie-wraps and removing the two Phillips screws.
 - b. Remove the five phillips screws mounting the power supply to the chassis.
 - c. Disconnect the five cables that are attached to the switching power supply (red and white wire). The five cables are each attached to connectors with differing amount of pins, so don't be concerned with numbering or labeling them.
 - d. Disconnect the AC power coming from the rear of the mixer to the old switching power supply.
- 3) Mount the PC ATX Power Supply – one of two methods
 - a. Locate a spot in the bottom of the mixer to mount the new PC power supply. Ensure that where you mount it will allow the top of the mixer to properly close. Once a spot is chosen, secure the power supply to the mixer chassis with either screws or plastic tie-wraps. You may have to insulate the chassis of the new PC power supply, to prevent any pc boards from the top of the mixer touching its chassis, with mylar (you can use the mylar that was under the old switching power supply, which was removed in step 2) above).
 - b. Mount the supply externally, cutting a hole in the bottom of the DM24 chassis and running the cable through the hole.
- 4) Mount the new pc interface to the chassis (we recommend using either hot glue, or drilling holes in the bottom of the DM24 chassis to match the holes in the interface module), near where the disconnected cables are lying
- 5) Reconnect the disconnected connectors to the new interface pc board (the five cables that formerly were plugged into the removed switching power supply)
- 6) Re-wire the AC power:
 - a. Using the new AC power cord, which came with the new supply, cut the wires and splice them onto the AC power cables disconnected in step 3), d. above. Connect the Ground connection from the new AC power cord to the chassis of the mixer.
- 7) Re-assemble the mixer and you should be good to go...