

Millennia

Music & Media Systems

SERVICE NOTE: Enabling HV-316 Fans

NOTE: This procedure is not covered under warranty. A skilled technician should do this work. Proceed at your own risk.

The HV-316 is shipped with fans internally disabled (zero physical noise). The fans cool the main power supply, which is rated at 150F/65C operation when fan-cooled and 115F/45C without fan cooling. In most HV-316 applications, ambient temperatures will not exceed 100F/38C. Hence fan cooling is not required. In the rare case where ambient temperatures rise above 100F/38C, and especially into the 115F/45C range (hot racks, outdoor concerts, concert hall lighting proscenium, etc.), the cooling fans should be used. This document provides instruction on how to enable HV-316 fans.

INSTRUCTIONS

1. Unplug unit from all power sources. Remove outer chassis cover screws (25) and remove chassis cover. ** If this is an 8-channel HV-316, skip ahead to Section 4. If this is a 16-channel HV-316, proceed to Section 2.
2. Remove front-panel using 3.5mm hex driver on four black mounting bolts. As you pull panel away from chassis, remove the ribbon cable header(s) connector(s) from front-panel PCB. Note orientation.
- 3a. Remove the right-most main audio PCB (ch 9-16) and analog output option PCB (if installed). Remove option PCB first by removing option card D-connector jack screws (2) and option card PCB mounting screws (2), then gently pry board away from its header connection to the main PCB. Use critical caution not to bend the header pins on the option board. Gently set option PCB aside, for now.

3b. To remove the main PCB, remove PCB screws (8 places). Remove jack screws (2) from D-connector. Disconnect ribbon headers (2) and the power header (1), being careful not to bend the PCB during the process (advise downward finger pressure on PCB when pulling connectors up). Lay a thin piece of cardboard or mylar on the long horizontal lip of the front-chassis where the PCB will be removed. Slide PCB out of chassis front hole, being careful not to nick components on the bottom side of the PCB.

4. Remove power supply cover screws, 3 on the side, 3 on the bottom. Remove power supply cover, set aside.

5. Locate 2-pin fan power jumpers (one jumper per fan, "F1PWR" and "F2PWR" – see photo). Remove jumpers to disable fans, or attach jumpers to enable fans.

6. Reverse process to complete the service.

