



Enova DGX 100 Series Front Panel Upgrade Instructions

APPLICABILITY: *Enova DGX 8/16/32/64 systems upgrading to Enova DGX 100 Series.*

The following instructions cover upgrading the front control panel on an Enova DGX 8/16/32/64 Digital Media Switcher (FG1060-08, FG1058-08, FG1060-16, FG1058-16, FG1060-32, FG1059-33, FG1059-32, FG1060-64, FG1060-64). After the upgrade is complete, the control panel functions as described in the *Enova DGX 100 Series Hardware Reference Manual*, including the ability to display the system's serial number and IP Address. While the control panel can be upgraded at any stage in the complete system upgrade (before or after CPU, enclosure, or endpoints), an upgraded control panel may be useful for monitoring status during CPU upgrade.

Recommended full system upgrade sequence:

1. Upgrade any Solecis Digital Switchers (if applicable).
2. Upgrade the front control panel (see below).
3. Replace the Enova DGX 8/16/32/64 CPU Board with an Enova DGX 100 Series CPU.
4. Upgrade the enclosure.
5. Upgrade any DXLink Twisted Pair or DXLink Fiber endpoints.

NOTE: Instructions for upgrading the entire system are available in the *Enova DGX 100 Series Hardware Reference Manual* at www.amx.com.

Upgrading the Control Panel

To upgrade the control panel:

1. Turn off AC power to the enclosure. Make sure none of the power supply LEDs are illuminated.
2. Loosen the four captive screws on the control panel.

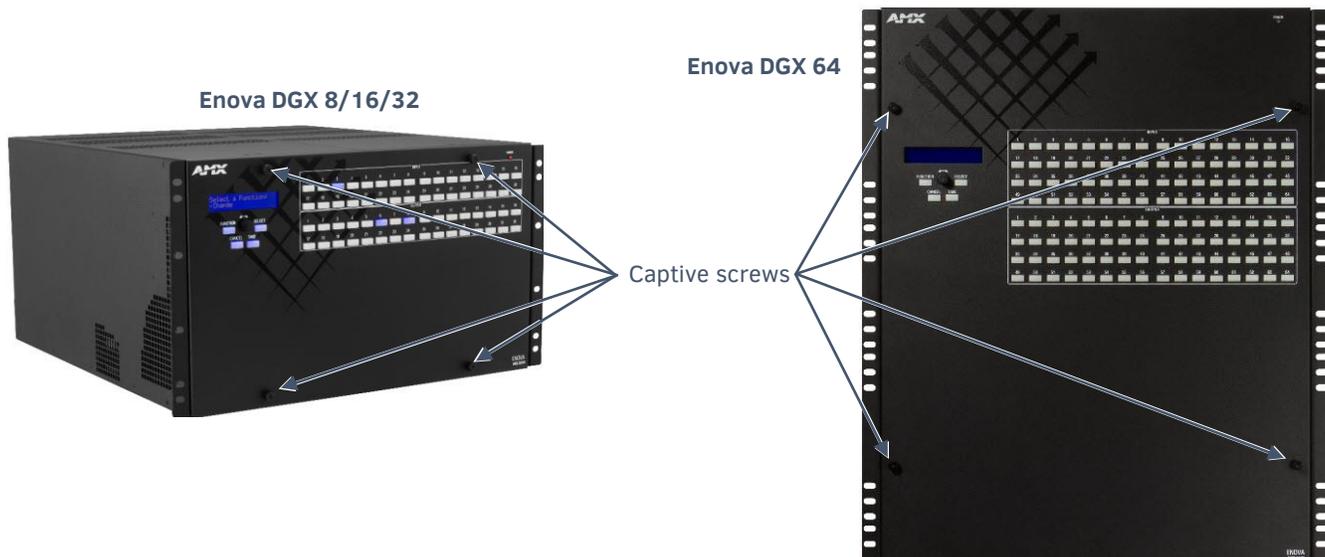


FIG. 1 Loosen the 4 captive screws (screw location varies slightly depending on model)

3. Slowly pull the control panel straight out from the enclosure. Support the control panel during upgrade.

IMPORTANT: *Do not remove the control panel's power cable from its connector.*

4. Apply power to the enclosure.

5. Connect a null modem serial cable to the serial (DB-9) port on the control panel.

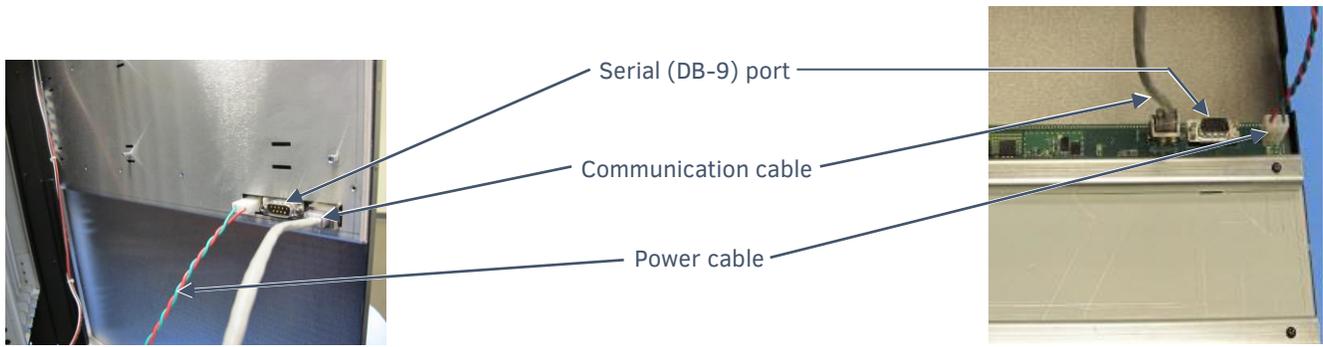
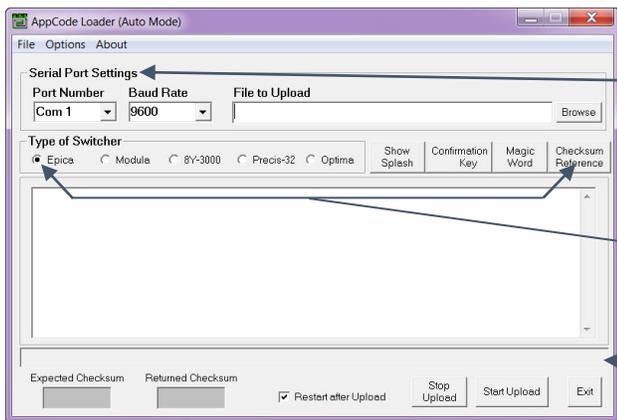


FIG. 2 Control panel cables/ports (appearance varies slightly depending on model)

6. Connect the other end of the serial cable to a PC.
7. Download and unzip the “DGX_Control_Panel_Upgrade” .zip file:
 - a. Navigate to the Enova DGX 100 Series product pages at www.amx.com.
 - b. Locate the Firmware Files section on the right side of the page and select the .zip file for download.
 - c. Unzip and open the downloaded file folder.
 - d. Install the AppCodeLoader program on your PC (or device).
8. Open the AppCodeLoader program.



Serial Port Settings shown at defaults

Ignore all “Type of Switcher” options and buttons in this row for this procedure

Progress bar (shows upgrade status)

FIG. 3 AppCode Loader

9. Set Serial Port Settings for your system:
 - a. Set Baud Rate to 9600.
 - b. Set Com port per your system’s requirements (1-9 are available options).
 10. Browse for the “image-v2.2.x.enc file” file (downloaded from www.amx.com) to upload.
The “Restart after Upload” check box must be selected.
 11. Click the “Start Upload” button and wait for the upload to finish.
The [Expected Checksum] and [Returned Checksum] will match when the upload is complete (update takes about 3 minutes and says “Upload Successful!” when complete).
 12. Click Exit.
 13. Turn off AC power to the enclosure. Make sure none of the power supply LEDs are illuminated.
 14. Replace control panel and tighten the four captive screws – be careful not to pinch the wires when securing the control panel.
 15. Apply power to the enclosure.
 16. Verify 100 Series features are present:
 - a. In the control panel’s menu, navigate through Function/Setup Options/Master Info/IP Address.
- NOTE:** When both the Control Panel and the CPU have been upgraded to Enova DGX 100 Series, you can access the System Configuration interface by entering the IP Address from the Control Panel into a browser on a PC (or device) on the same network as your Enova DGX.
17. Continue upgrading the Enova DGX system to full 100 Series functionality.

TIP: During CPU or enclosure upgrade, the status of the upgrade process automatically appears in the LCD screen on the upgraded front control panel (e.g., DGX Update 01of22, 01_DGXPowerAp_ 8%) and control panel LED buttons cycle on and off in a chaser pattern until the upgrade is complete.