



Enova DGX Input/Output Board and Endpoint Compatibility Instructions

APPLICABILITY: All Input and Output boards and any endpoint TXs and RXs used with Enova DGX Digital Matrix Switchers.

All Input and Output boards, as well as all endpoints, ship from the factory with firmware intended for use with Enova DGX 100 Series Digital Media Switchers. If you are adding new factory boards and/or endpoints to a legacy Enova DGX 8/16/32/64 System, or adding legacy boards to a new or updated Enova DGX 100 Series system, you may need to perform firmware upgrades or downgrades on boards, endpoints, or your switcher as described by the 3 scenarios below.

Enova DGX switchers have 3 supported configurations when adding new I/O boards or Endpoints:

1. **Enova DGX 100 Series systems from the factory**
 - o Factory shipped Enova DGX switchers, I/O boards, and endpoints come programmed with 100 Series firmware but may require firmware upgrades to get them all up to the same firmware version.
 - o If adding legacy I/O boards, or 4K I/O boards to an existing 100 Series system, OR if any of the existing I/O boards show mismatched firmware, upgrade to the latest applicable DGX 100 Series kit shown below. Contact Tech Support if the listed version is not available on the website.
 - o Endpoints should also be upgraded to their latest 100 Series compatible versions (see table below).
2. **Enova DGX 8/16/32/64 systems desiring to maintain legacy “v2.0” firmware versions**
 - o New factory I/O boards and endpoints may not function in a legacy 2.0 DGX enclosure and should be downgraded
 - o DGX kit v2.0.6 (or later 2.0.x version) may be loaded so the DXLink I/O boards will recognize any new 100 Series endpoints and those endpoints can be downgraded to non-100 Series versions (else they will not come online).
 - o If adding new endpoints, it may be easier to downgrade the endpoints separately before connecting to the switcher
3. **Enova DGX 8/16/32/64 systems desiring to upgrade to 100 Series compatible firmware versions**
 - o In order to get a v2.0 system’s I/O boards up to the latest 100 Series firmware, the system can be upgraded using DGX kit v2.2.12 (or later) which upgrades only I/O boards to 100 Series versions.
 - o All endpoints should be updated to the corresponding 100 Series compatible versions (see table below)

Enclosure Firmware Compatibility Table (with minimum recommended versions or **suggested hotfixes**)

Board Type>	AIE	HDMI /DVI	DXlink	DXLink 4K	HDMI 4K	ASB	ASB Dante	HDMI 4K60	DXLink TP Tx/Rx	DXLink 4K TX/Rx**	DXLink Fiber Tx/Rx	Solecis	Solecis 4K
Enclosure													
Enova DGX* 8/16/32/64		v2.0.6		N/A	N/A	N/A	N/A	N/A	v1.6.67 TX v1.9.69 RX	N/A	v1.2.12 TX v1.2.1 RX	v1.4.4	N/A
Enova DGX* 8/16/32/64		v2.2.12		N/A	N/A	N/A	N/A	N/A		N/A			N/A
Enova DGX 100 Series			3.2.19				N/A	N/A	v1.8.28 TX v1.13.34 RX		v1.4.12 TX v1.4.17 RX	v1.4.17	
Enova DGX 100 Series				V3.4.6				N/A		v2.2.23 RX			v2.1.34
Enova DGX 100 Series					v3.6.22								

* The SC Fiber boards are only supported in the legacy DGX systems.

** There is a 4K TX endpoint but it does not have appcode firmware and does not appear in the online tree.

Firmware Upgrade Notable Points:

Review kit readme files before installing firmware for any special programming instructions. For detailed upgrade instructions see your product’s documentation at www.amx.com.

IMPORTANT: Because of a hardware change on the 2K DXLink Input boards, these now ship with a new firmware version that is **not** available in older DGX kits. They will not function if downgraded with kits older than v2.0.6. The minimum firmware required on NEW DXLink Input boards is: v1.4.6.5 (via kit v3.4.6 or legacy kit v2.2.12) or v1.2.5.1 (via legacy kit v2.0.6).