

DXLite 4K60 4:4:4 Receiver

DXL-RX-4K60 (FG1010-505)



Overview

The DXLite 4K 4:4:4 Receiver is a 4K and Ultra High Definition (UHD) capable distance transport solution designed to work with AMX Incite Digital Video Presentation Switchers. The DXLite receives audio, video, power, and control, from the distance transport (RJ-45) output on the Incite Switcher and connects to the output display, projector, or other output device via HDMI.

Note: For integrated central control use NCITE-813AC, the other models do not include an integrated central controller.

Common Applications

Join together the DXLite 4K 4:4:4 Receiver with an Incite Digital Video Presentation System to deliver an outstanding experience in university lecture halls and theaters, corporate and government boardrooms and meeting spaces, hotel boardrooms, or anyplace serving the needs of a presenter. Incite delivers precision video, supports new and legacy visiting devices, provides professional presentation transitions and windowing features, and promises the best audio on the market, making it the ideal solution for any high use presentation area.

Features

- **4K/60 4:4:4 Support** – Incite supports today's 4K content without modifying the color space or reducing the frame rate.
- **HDMI 2.0 and HDCP 2.2 Support** – By incorporating HDMI 2.0 and HDCP 2.2, Incite is compatible with all the latest 4K sources and displays.
- **Only One Cable** – Receive audio and video while passing control, USB 2.0, and power over one twisted pair cable.
- **USB 2.0** – Utilize the DXLite path for a convenient way to connect USB 2.0 devices such as HID compliant keyboard and mouse, monitors, and projectors, as well as web cameras, microphones and storage devices.
- **Native NetLinx® Control Everywhere** - Control connected destination devices using the built-in IR and RS-232 ports
- **Standard Twisted Pair Cable** – Save time and effort in installation by leveraging cost effective twisted pair cable, see the Cabling for Success with DXLink white paper for more details

*AMX only supports the following DXLink Power sourcing devices for the DXL-RX-4K60: NCITE-813, NCITE-813A, NCITE-813AC, PS-POE-AT-TC High Power PoE Injector, and PDXL-2 Power over DXLink Controller. AMX only supports the use of these approved Power over DXLite solutions. Other third party power supplies or non-compatible standard PoE solutions may damage the DXLite equipment. The DXLink HDMI 4K RX can also be powered via the included desktop power supply (ENERGY STAR® qualified) with power cord.

Specifications

GENERAL	
Dimensions (HWD)	TBD
Weight	TBD
Mounting Options	Compatible with all V Style versatile mounting options including rack, surface or pole (for V Style Mounting kits, see www.amx.com)
Compatible AMX Products	<ul style="list-style-type: none"> • Incite • PS-POE-AT-TC, High Power PoE Injector • PDXL-2, Power over DXLink Controller
MTBF	TBD
Regulatory Compliance	TBD RoHS WEEE
Included Accessories	<p>Desktop power supply (ENERGY STAR® qualified): 1 per module</p> <p>Unless using DXLink Power as described above, only the provided desktop power supply should be used, and it must not be altered in any way</p>
Recommended Accessories	<ul style="list-style-type: none"> • AVB-VSTYLE-SURFACE-MNT, V Style Module Surface Mount (FG1010-722) • AVB-VSTYLE-RMK-1U, V Style Module Tray (FG1010-720) • AVB-VSTYLE-RMK-FILL-1U, V Style Module Tray w/fill Plates (FG1010-721) • AVB-VSTYLE-POLE-MNT, V Style Module Pole Mount (FG1010-723) • CC-NIRC, NetLinx IR Emitter Cable (FG10-000-11) • IR03, External IR Receiver Module (FG-IR03) • PS-POE-AT-TC High Power PoE Injector (FG423-84) • PDXL-2 Power over DXLink Controller (FG1090-170)

DXLINK	
Transport Layer Throughput (Max)	10.2 Gbps (DSC visually lossless compression allows 4K60 4:4:4 to pass through 10.2 Gbps path)
Twisted Pair Cable Type	<p>Shielded Cat6A and Cat7</p> <p>DXLite twisted pair cable runs for DXLink equipment shall only be run within a common building where a common building is defined as: the walls of the structure(s) are physically connected and the structure(s) share a single ground reference</p> <p>For more details and helpful cabling information, reference the white paper titled <i>Cabling for Success with DXLite</i>, or contact your AMX representative</p>
Twisted Pair Cable Length	<p>Up to 262 ft. (80 m) for full 4K format support Up to 328 ft. (100 m) for 1080p and below format support</p> <p>DXLite twisted pair cable runs for DXLink equipment shall only be run within a common building where a common building is defined as: the walls of the structure(s) are physically connected and the structure(s) share a single ground reference</p>

	For more details and helpful cabling information, reference the white paper titled Cabling for Success with DXLite, or contact your AMX representative
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ACTIVE POWER REQUIREMENTS	
AC Power	TBD
DXLink Power	Power can also be supplied by a DXLite Power sourcing device such as NCITE-813, NCITE-813A, NCITE-813AC, PS-POE-AT-TC High Power PoE Injector (FG423-84), and PDXL-2 Power Controller (FG1090-170). AMX does not support the use of any other power supplies or PoE injectors as these may potentially damage the DXLink equipment. AMX only supports the use of these approved Power over DXLite solutions. Other third party power supplies or non-compatible standard PoE solutions may damage the DXLite equipment.
Power Consumption, Local 12 V Supplied (max)	TBD
Power Consumption, Enova DXLink Power Consumed (max)	TBD
Power Connector (Module only)	2.1 mm DC Power Jack (for optional local DC power) DXLink Power connector is included on DXLink connection

POWER SUPPLY	
External, Included	Each TX ships with a desktop power supply (ENERGY STAR® qualified) with power cord Unless using DXLite Power as described above, only the provided desktop power supply should be used, and it must not be altered in any way.
External, Optional	Power can also be supplied by a DXLite Power sourcing device such as NCITE-813, NCITE-813A, NCITE-813AC, PS-POE-AT-TC High Power PoE Injector (FG423-84), and PDXL-2 Power Controller (FG1090-170). AMX does not support the use of any other power supplies or PoE injectors as these may potentially damage the DXLink equipment. AMX only supports the use of these approved Power over DXLite solutions. Other third party power supplies or non-compatible standard PoE solutions may damage the DXLite equipment.

ENVIRONMENTAL	
Temperature (Operating)	32° to 104° F (0° to 40° C)
Temperature (Storage)	-22° to 158° F (-30° to 70° C)
Humidity (Operating)	5% to 85% RH (non-condensing)
Humidity (Storage)	0% to 90% RH (non-condensing)
Thermal Dissipation, Local 12 V Supplied (max)	TBD
Thermal Dissipation, Enova DXLite Power Supplied (max)	TBD

BACK CONNECTORS	
Local Power	2.1 mm DC Power Jack
DXLite Connection	RJ-45
Serial	3.5mm Pluggable Phoenix Terminal Block

	Bidirectional RS-232 Standard NetLinx Baud Rate 1200 to 115k Parity support: Odd/Even/None
IR Control	Port (IR RX) for use with IR03 Receiver (Optional Accessory FG-IR03) Port (IR TX) for use with CC-NIRC Emitter (Optional Accessory FG10-000-11)
IR TX	3.5mm Pluggable Phoenix Terminal Block Port for IR01 Emitter (Optional)
USB 2.0 Pass-through	USB Type A Connector. Connect a PC to an Incite, and a USB 2.0 compliant device to the DXLite RX to pass-through USB path (for example, for use of a keyboard and mouse)
HDMI Output	HDMI Type A Female

CONTROLS & INDICATORS	
Video Indicator	Green LED on DXLite RJ45 indicates a link with an uplink stream device
HDCP	Yellow LED on DXLite RJ45; when blinking indicates unprotected content, solid yellow indicates HDCP

HDMI	
Compatible Formats	HDMI , HDCP, DVI (DVI requires conversion cable)
Signal Type Support	HDMI DVI-D (Single Link with a DVI-HDMI Cable Adapter) DisplayPort++ (input only with HDMI cable adapter)
Output Signal Type	HDMI DVI-D (Single Link with Cable Adapter)
Output Connector	HDMI Type A Female
Output Re-clocking	Yes
Propagation Delay (Typical)	5 microseconds
Video Data Rate (max)	18 Gbps (Max)
Video Pixel Clock (max)	Up to 600 Mhz
Output Format	Matched to incoming DXLite video resolution up to 4K60 4:4:4 HDMI 2.0, HDCP 2.2
HDCP Support	Yes, including HDCP 1.x and HDCP 2.2

About AMX by HARMAN

Founded in 1982 and acquired by HARMAN in 2014, AMX® is dedicated to providing AV solutions for an IT World. AMX solves the complexity of managing technology with reliable, consistent and scalable systems comprising control, video switching and distribution, digital signage and technology management. AMX systems are deployed worldwide in conference rooms, classrooms, network operation/command centers, homes, hotels, entertainment venues and broadcast facilities, among others. AMX is part of the HARMAN Professional Group, the only total audio, video, lighting, and control vendor in the professional AV market. HARMAN designs, manufactures and markets premier audio, video, infotainment and integrated control solutions for the automotive, consumer and professional markets. Revised 10.16.17. ©2017 Harman. All rights reserved. Specifications subject to change.

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