



LYNX Series

HDMI Over CAT6 Extender Family
Box Receiver w/ Box Transmitter and
US and EU Wall Plate Transmitter Options



PRODUCT OVERVIEW

Lynx is a maximum value extension solution for high resolution 4K graphics requiring smooth video playback and audio de-embedding at a value price point. Cascade up to 8 receivers to scale functionality and maximize distribution distance. **Ideal Applications:** K-12 & Higher Ed, meeting spaces of all sizes, hospitality and digital signage applications for up to 8 displays.

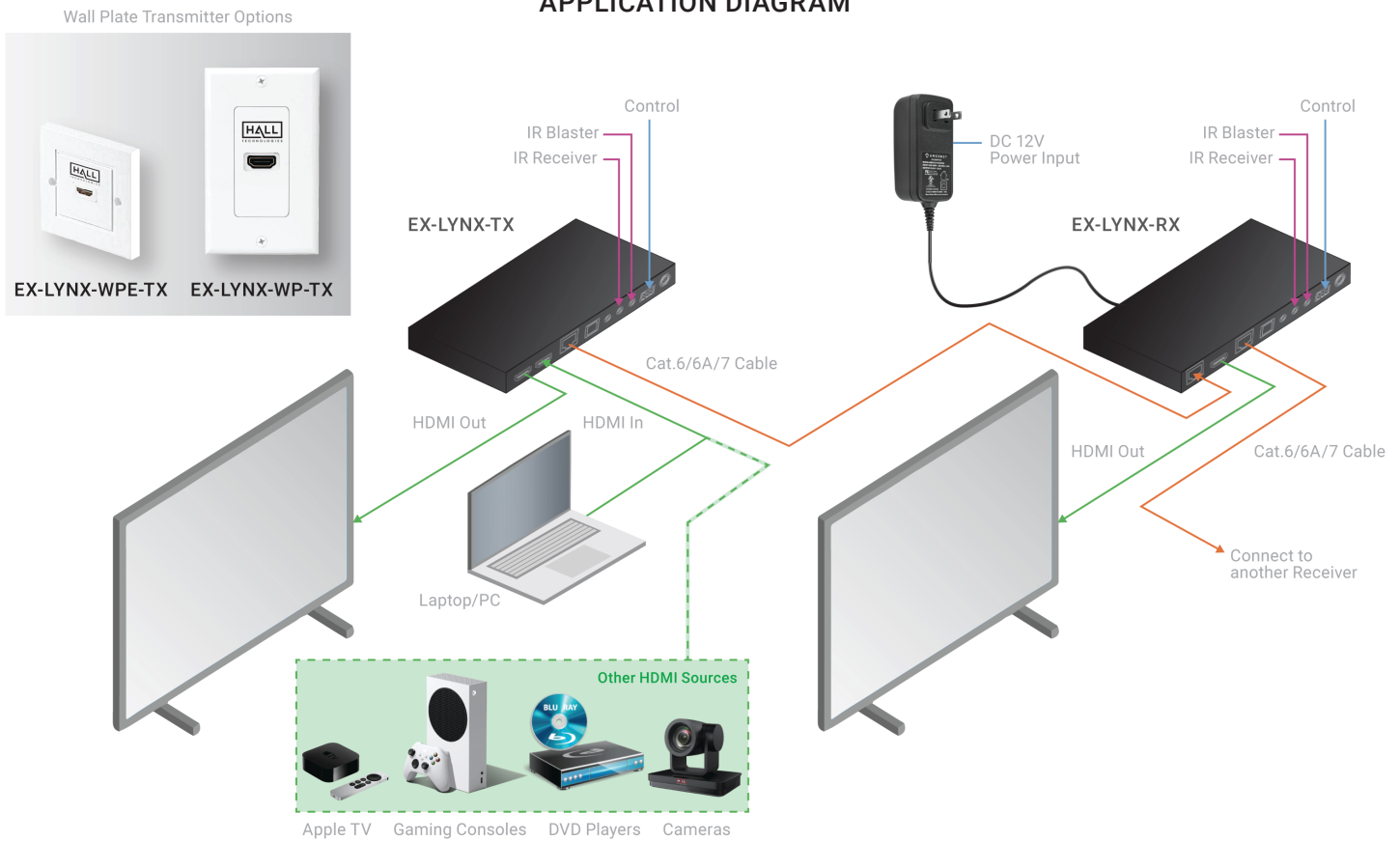
DESCRIPTION

The Hall Technologies LYNX 4K Extender Set features extension of Ultra HD resolution, 4K 60Hz video signal with audio and control up to 60m (197ft) over a single CAT6 cable. Both the LYNX-TX and the LYNX-RX include local audio de-embedding via 3.5mm stereo output. The LYNX-TX, transmitter includes a Local Loop Output, to allow for monitoring and playback status of the local source. Additionally, the LYNX-RX, receiver also includes a Loop Output via RJ45, to allow up to eight receivers to be cascaded to create a larger distribution solution and/or to enable greater distribution distance. LYNX also supports bi-directional pass-through for source and display control and comes with a pair of infrared emitters.

FEATURES

- HDMI 2.0, HDCP 2.2 / HDCP 1.4
- 4k2k@60Hz 4:4:4 signal extends distance up to 60 meters over a single Cat6 cable
- Supports Ultra HD resolution 4K/2K@60Hz,4:4:4
- Supports HDR (High Dynamic Range)
- Bi-directional IR supported
- Supports Local Loop Output and cascading
 - Note: Rs232 & IR only can be used between Transmitter and the first Receiver, if multiple Receivers are cascaded.
- Support for mixing EDID for better compatibility
- Offers simple and quick distribution for HDMI video signals - position your monitors wherever you wish
- Resolutions: 4K2K (60Hz), 4K2K (30Hz), 1080p, 1080i, 720p, 576p, 576i, 480p, 480i
- LED status display
- Max transfer rate: 18 Gbps
- Color depth: 12 bit
- Supports compressed audio signals, such as DTS digital, Dolby digital (including DTS-HD and Dolby True HD)
- Supports uncompressed audio signals such as LPCM
- Compact size, simple use and installation
- Supports PoC, function. This means either transmitter or receiver is powered by a 12v power adapter, the other device doesn't need a power supply.

APPLICATION DIAGRAM



Description	4K60 HDMI over CAT6 Transmitter
Video Input Ports	1 x HDMI
Video Output Ports	1 x HDMI 1 x RJ45 (HDMI over CAT6)
HDCP	HDCP 2.2 and HDCP 1.4
HD Resolutions	480i, 480p, 576i, 576p, 720p, 1080i, 1080p 8, 12 or 16 bits per channel (24, 36 or 48 bits aggregate), 4K30 4:4:4, 4K60 4:4:4
PC Resolutions	Up to 4096x2160
Audio Output Ports	1 x SPDIF (Toslink) Digital Multichannel output PCM 2.0, PCM 5.1, PCM 7.1, Dolby 5.1, DTS 5.1, DD+, D-TrueHD, DTS-HD 16/20/24 bits per sample and up to 96 KHz Sampling Rate 1 x 3.5mm (Analog Stereo, L/R, supports only 2-channel formats)
Control	RS-232, IR
Baud Rate	4800~115200 bps
Power Supply	DC 12V/1A (Locking connector)
Power consumption	2.5W
Housing	Metal Enclosure
Color	Black
ESD Protection	Human body model - ±12kV [air-gap discharge] & ±8kV
Operating Temp	32 to 122 °F (0 to 50 °C) 10%~90%, non-condensing
Storage Temp	-40 to +158 °F (-40 to +70 °C)
Dimensions	Device: (180 mm) W x (75 mm) D x (25 mm) H
Weight	Device: 0.69 lbs. (315g)
MTBF	90,000 hours