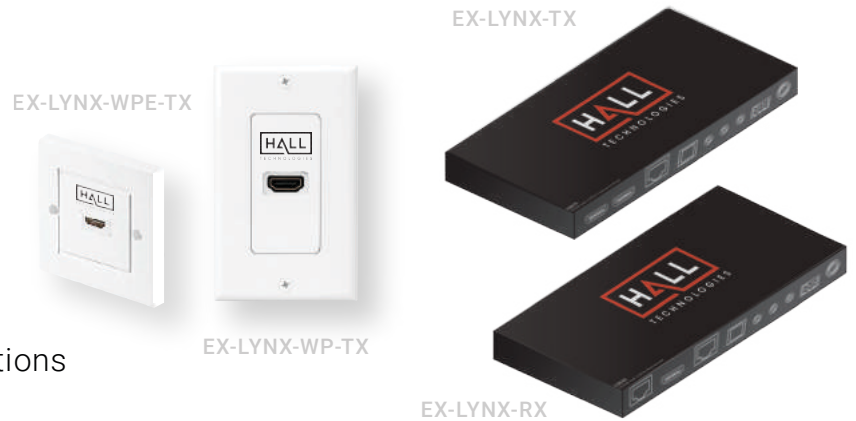




## LYNX Series

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.

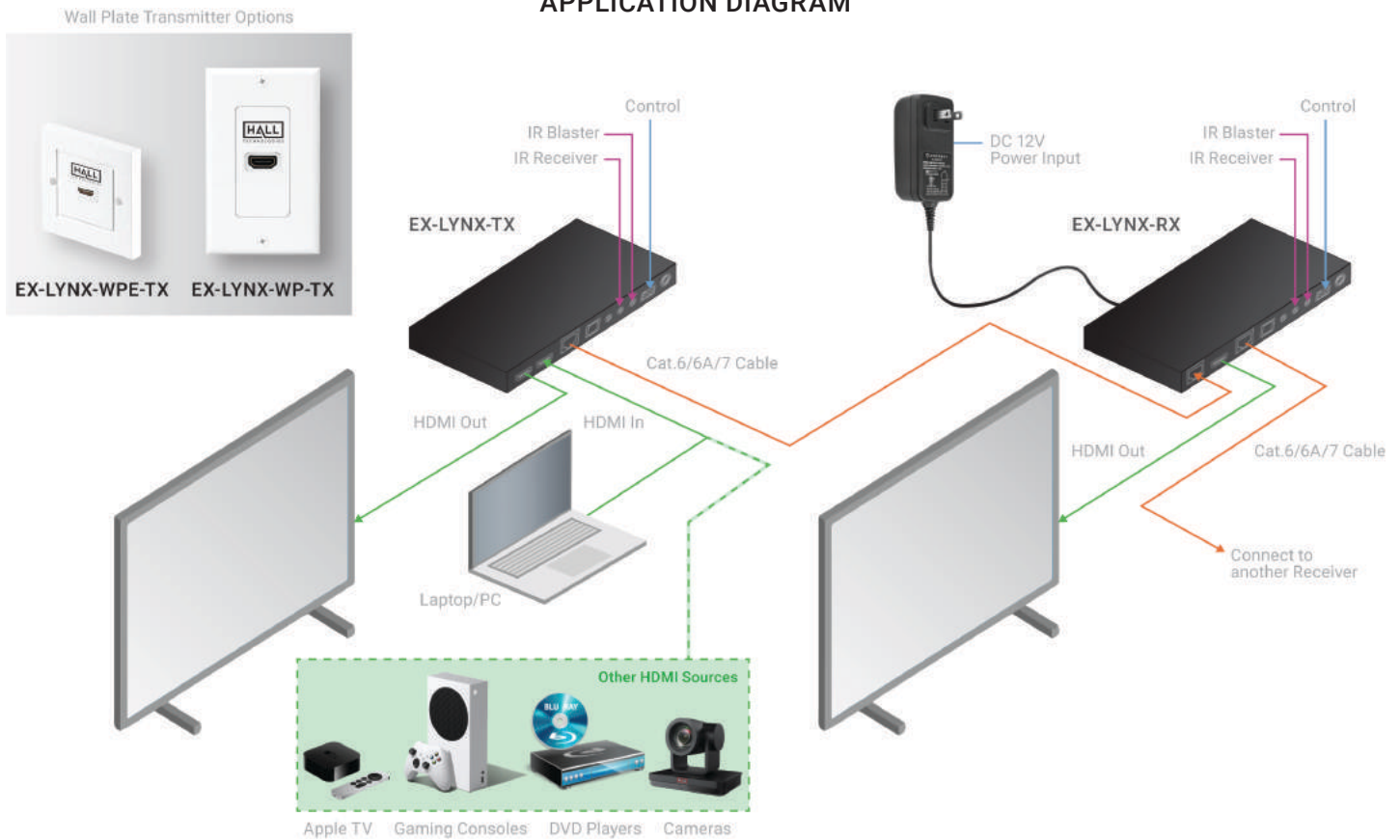
### DESCRIPTION

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



<b>Description</b>	4K60 HDMI over CAT6 Transmitter
<b>Video Input Ports</b>	1 x HDMI
<b>Video Output Ports</b>	1 x HDMI 1 x RJ45 (HDMI over CAT6)
<b>HDCP</b>	HDCP 2.2 and HDCP 1.4
<b>HD Resolutions</b>	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
<b>PC Resolutions</b>	Up to 4096x2160
<b>Audio Output Ports</b>	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)
<b>Control</b>	RS-232, IR
<b>Baud Rate</b>	4800~115200 bps
<b>Power Supply</b>	DC 12V/1A (Locking connector)
<b>Power consumption</b>	2.5W
<b>Housing</b>	Metal Enclosure
<b>Color</b>	Black
<b>ESD Protection</b>	Human body model - ±12kV [air-gap discharge] & ±8kV
<b>Operating Temp</b>	32 to 122 °F (0 to 50 °C) 10%~90%, non-condensing
<b>Storage Temp</b>	-40 to +158 °F (-40 to +70 °C)
<b>Dimensions</b>	Device: (180 mm) W x (75 mm) D x (25 mm) H
<b>Weight</b>	Device: 0.69 lbs. (315g)
<b>MTBF</b>	90,000 hours