

# LinkBridge™ HDBaseT HDMI 4-Play Transmitter & Receiver with 48V PoH (up to 60m)

## LBC-HDBT-T-48-Lite / LBC-HDBT-R-48-Lite



### OVERVIEW

This HDBaseT HDMI 4-Play Transmission System is capable of extending UHD video and audio and control over a single run of CAT5e/6/7 cable over distances up to 60 meters\*. This extender complies with HDCP 2.2 and 9G HDMI Standards and supports legacy HDCP 1.x and HDMI 1.x standards. It also supports 4K UHD HDMI video sources up to 4K2K@30Hz. Multiple data and control interfaces are also able to be extended with IR and RS-232 connections. This unit supports bi-directional 48V PoH (Power over HDBaseT) allowing systems to be completely powered by, or provide power to, a compatible connected Receiver, allowing for greater flexibility within different installation scenarios.

\* CAT6a/7 cable recommended to ensure maximum distance.

### FEATURES

- Extend HDMI signals up to 60 meters over one CAT 5e/6 cable
- Supports full HDTV video resolutions up to 4K2K @30Hz
- Fully uncompressed video and audio provides zero loss of quality
- Supports true DDC/EDID/HDCP transmission
- Video/Audio+IR+Data+RS-232, over 1 CAT 5e/6 cable
- 48V PoH with PSE/TX and PD/RX
- 9G HDMI and HDCP 2.2 compliant
- Supports both RS-232 and IR control data

## VIDEO/AUDIO SPECIFICATIONS

<b>HDMI</b>	Version 1.4 with 3D, 4Kx2K support
<b>Video Resolution</b>	Up to 4K2K @ 30Hz
<b>Protocol</b>	DDC/EDID capable, HDCP 2.2
<b>Video Bandwidth</b>	300MHz / 10.2Gbps
<b>Audio Formats</b>	Supports up to 7.1CH & Dolby TrueHD, DTS-HD Master Audio
<b>Audio Sampling Rate</b>	32KHz to 192KHz
<b>HDMI/Audio Connector</b>	HDMI Female plug

## DATA

<b>Serial Control</b>	RS-232
<b>Data Rate</b>	Up to 115.2Kbaud
<b>Connector</b>	DB9 Serial

## IR

<b>IR Frequency</b>	30-50KHz
<b>In/Out Connectors</b>	3.5mm Stereo

## HDBASE-T TRANSMISSION

<b>Cable Type</b>	CAT 5e/6 or higher
<b>Number of Cables</b>	1
<b>Connector/Distance</b>	RJ-45, up to 60m

## PHYSICAL

<b>Dimensions Standalone</b>	4.25"(W) x 4.57"(D) x 1.14"(H)
<b>Power Consumption</b>	+48V DC, 0.9 Amps (Max)
<b>Operating Temperature</b>	0 to 40°C
<b>Humidity</b>	20 to 90% RH, Non-Condensing

## CERTIFICATIONS

FCC, CE

## GREEN COMPLIANCE

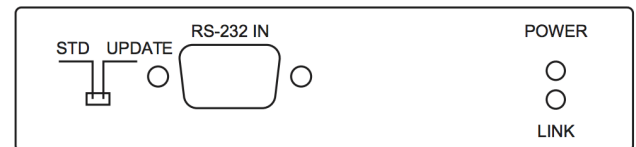
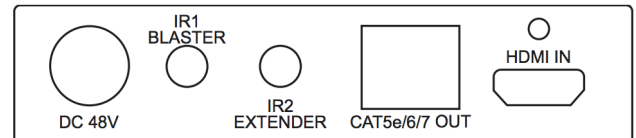
RoHS

## ORDER INFORMATION

<b>LBC-HDBT-T-48-Lite</b>	HDBaseT HDMI 4-Play Transmitter with 48V PoH (up to 60m)
<b>LBC-HDBT-R-48-Lite</b>	HDBaseT HDMI 4-Play Receiver with 48V PoH (up to 60m)

## PANEL DRAWING

### LBC-HDBT-T-48-LITE



### LBC-HDBT-R-48-LITE

