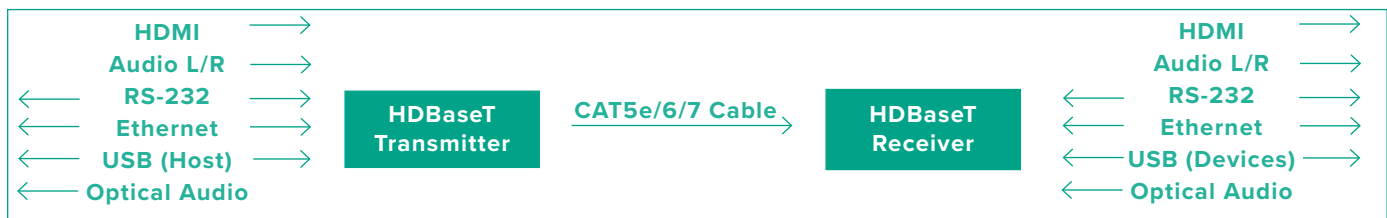
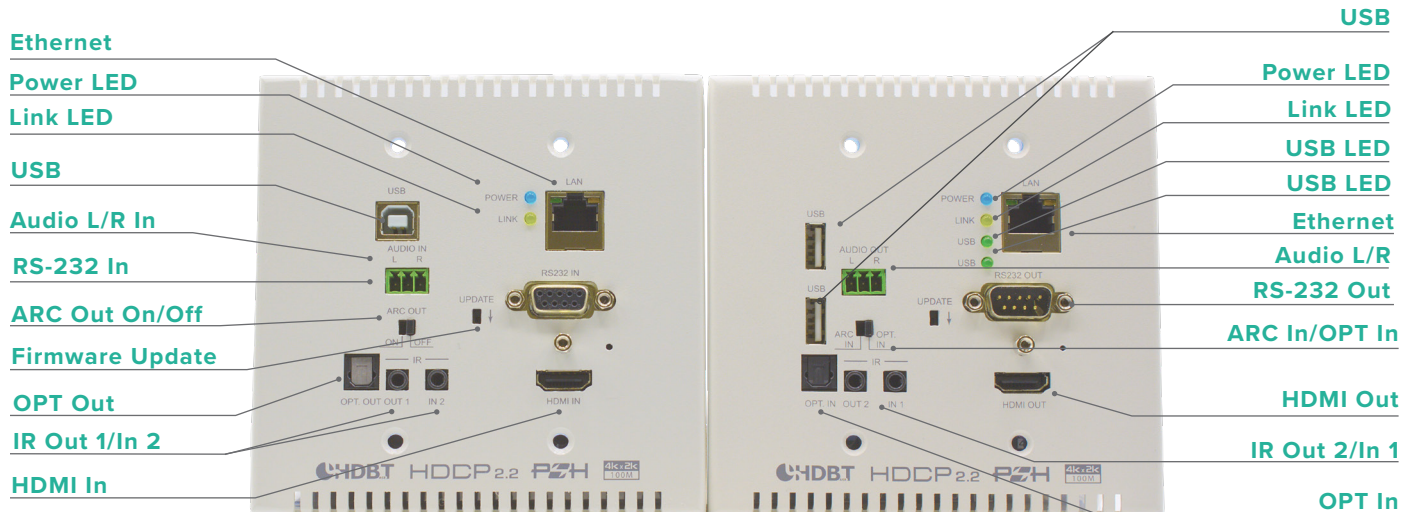


LinkBridge™ HDBaseT 2.0 7-Play Wall Plate Transmitter & Receiver with 48V/PoH (up to 100m)

LBC-HDBT2-T-WP

LBC-HDBT2-R-WP



OVERVIEW

The LBC-HDBT2-T/R-WP set can send uncompressed audio/video along with controls, IP and USB data over a single run of CAT5e/6/7 cable up to 100m. It has the added benefit of control through the built-in RS-232 and IR ports. A LAN serving connection and external digital and analog audio capability gives users the convenience of additional audio connections. This system also allows the connection of any USB host, enabling a USB connection to up to 2 USB ports, giving the Receiver the ability to act like a USB hub. The 48V PoH design can power the Receiver (PD) from the Transmitter (PSE), eliminating the need for a separate power supply for the Receiver.

FEATURES

- Supports HDBaseT 2.0 specification supporting over a single CAT6a/7 cable up to 100m/328ft and CAT5e cable up to 90m/295ft
- Receiver features 2 USB 2.0 ports
- HDMI (with 3D & 4K2K@60Hz YUV 4:2:0 support), HDCP 2.2 and DVI compatible
- HDBaseT 5Play™ convergence: High-Definition (HD) Video and Audio, 100BaseT Ethernet, PoH and Control (Bidirectional IR/RS-232 pass-through)
- Supports pass-through of HD audio formats: LPCM 2/5.1/7.1CH, Dolby Digital 2/5.1CH, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos and DTS-HD Master Audio
- Supports optical sampling rate up to 96kHz
- Supports Ethernet network connection
- Supports external analog and digital audio transmission
- Supports ARC function from HDMI out to both HDMI in and optical output
- Supports RS-232 baud rate from 110~115200bps

TX PORTS

Input Ports	HDMI, USB, L/R Audio, LAN, IR Extender, RS-232
Output Ports	HDBaseT, Optical Audio, IR Blaster

RX PORTS

Input Ports	HDBaseT, Optical Audio, IR Extender
Output Ports	HDMI, USB x2, L/R Audio LAN, IR Blaster, RS-232

L/R AUDIO (TX/RX)

Audio Format	L/R Analog
Connector	3.5mm 3-pin Terminal Block

DIGITAL AUDIO (TX/RX)

Audio Format	Optical
Sampling Rate	95 KHz max
Connector	S/PDIF Jack

SERIAL DATA (TX/RX)

Channel Capacity	1 bi-directional
Signal Format	RS-232
Data Rate	115,200 baud max
Connector	DB-9

IR (TX/RX)

Channel Capacity	1 bi-directional
Data Rate	30-50KHz
Connector	3.5mm Stereo Jack

ETHERNET (TX/RX)

Channel Capacity	1
Ethernet Speed	100Mbps
Connector	RJ-45

USB (TX/RX)

Channel Capacity	1
Signal Format	USB 2.0
Connector	USB A x 2 (RX) USB B x 1 (TX)

STATUS LED INDICATORS

Power Link	Indicates input power is present Indicates connection between TX and RX
USB	Indicates USB activity is present

HDBASE-T TRANSMISSION

Cable Type	CAT-5e/6/7
Number of Cables	1
Connector	RJ-45 up to 100m
Distance	
CAT-5e/6	4k60; 4:2:0, 8-bit @90m
CAT-6a/7	4k60; 4:2:0, 8-bit @100m

PHYSICAL

Dimensions	4.92"(W) x 1.61"(D) x 5.00"(H)
Power Rating	48V, 0.83A
Operating Temperature	0 to 40°C, operating
Humidity	20 to 90% RH, Non-Condensing

CERTIFICATIONS

CE, FCC

GREEN COMPLIANCE

RoHS

ORDER INFORMATION

LBC-HDBT2-T-WP	Link Bridge HDMI 7-Play Transmitter, HDBaseT 2.0, 100m, 1-Way 48V/PoH
LBC-HDBT2-R-WP	Link Bridge HDMI 7-Play Receiver, HDBaseT 2.0, 100m, 1-Way 48V/PoH
Included Accessories	48 VDC Power Adapter IR Blaster IR Extender 120V Power Cord

PANEL DRAWING

