



LBC-H/O-R-ICP

Link Bridge™ HDBT/HDMI Receiver with Inline Control Processor



RECEIVER

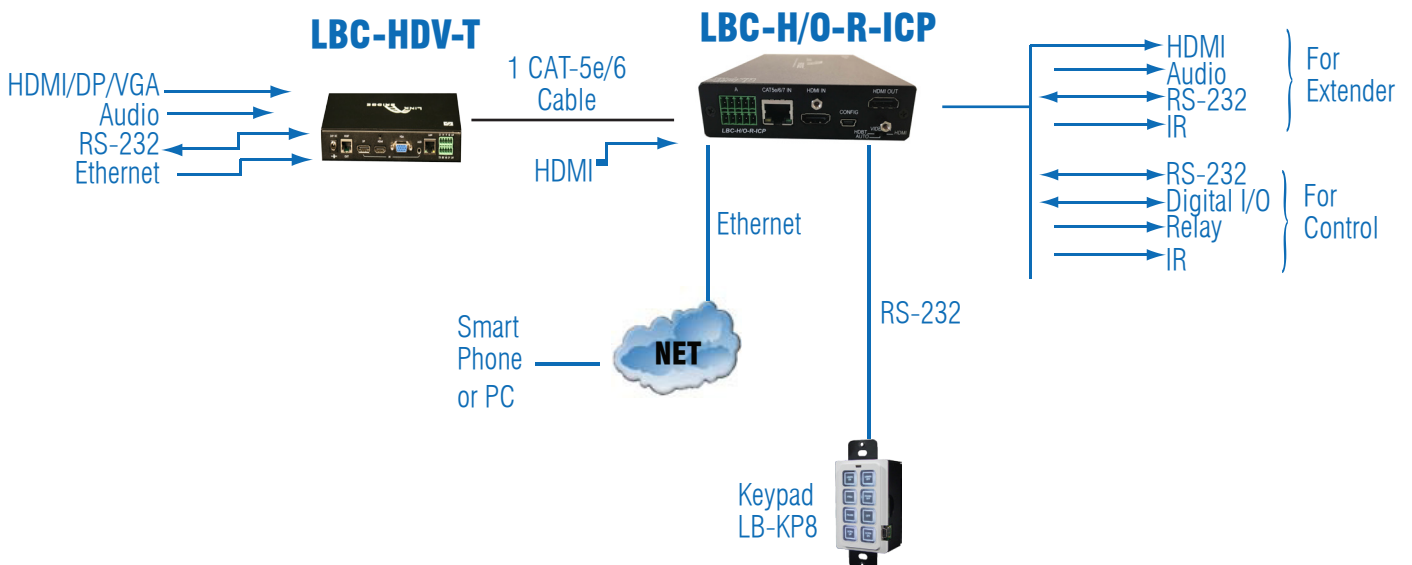
- Receive HDMI, audio, IR, and RS-232 up to 100 meters over 1 CAT-5e/6 cable
- Supports video resolutions up to 1080p 60Hz and 1920 x 1200 @ 60Hz, as well as 4K@30Hz
- Optional 1080p scaler
- Supports HDMI w/embedded audio extraction
- EDID pass-through support, automatically detect the factory setting of the connected display; internal EDID support
- HDCP 2.2 support

CONTROL

- Control I/O ports contain:
 - three (3) RS-232
 - two (2) Relay
 - two (2) Digital I/O
 - one (1) IR
 - two (2) Ethernet
- Control and monitor AV devices using a standard Ethernet network (Smart phone or PC) or RS-232 (keypad)
- User friendly customizable control configurations via built-in web server

OVERALL

- A selectable HDBT or HDMI receiver with multiple control I/O ports
- Provides in-line control I/O paths



DOING MORE WITH ONE CABLE



VIDEO OUTPUT (TRANSMISSION)

HDMI	Up to 1080p @ 60Hz or 1920 x 1200 @ 60Hz or 4K@30Hz without scaler option Up to 1080p@60Hz (with scaler option)
Connector	HDMI Female Plug
Protocol	DDC/EDID/HDCP Capable

AUDIO INPUT/OUTPUT (TRANSMISSION)

Signal Format	L/R Analog
Audio Output Connector	Terminal Block

RS-232 (TRANSMISSION)

Data Rate	Up to 57.6kbaud
Connector	Terminal Block

IR (TRANSMISSION)

Data Rate	30-60KHz
Connector	Terminal Block

HDBaseT (TRANSMISSION)

Cable Type	CAT-5e/6 or higher
Number of cables	1
Connector/ Distance	RJ-45/up to 100m

ETHERNET (CONTROL)

Channel Capacity	2
Connector	Female RJ-45 (integrated activity and link LEDs)
Data Rate	10/100Base-T, alf/full duplex with autodetect
Protocols	DHCP, HTTP, TCP/IP, UDP/IP, AUTOIP, Telnet

ORDERING INFORMATION

LBC-H/O-R-ICP	Link Bridge HDBT/HDMI Receiver with Control I/O Ports
LBC-H/O-R-ICP-SCL	Link Bridge HDBT/HDMI Receiver with Control I/O Ports, with 1080p Scaler

SUGGESTED MATING TRANSMITTERS

LBC-HDV-T-ICP
LBC-H/V-T-WP-ICP
LBC-HDBT-T
LBC-H-T-WP

RS-232 (CONTROL)

Channel Capacity	3 (no flow control) or 2 (with RTS/CTS flow control)
Baud Rate	2400 to 115200 baud (9600 baud = default), 8 data bits, 1 stop bit, no parity
Connector	Terminal block

DIGITAL I/O (CONTROL)

Channel Capacity	2 digital input/output (configurable)
Digital Input	Input voltage range: 0 to 24VDC Threshold low to high: 2 VDC Threshold high to low: 0.8 VDC
Digital Output	Output voltage high: 3 VDC min Output voltage low: 0.55 VDC max (64 mA sink max)
Connector	Terminal block

IR (CONTROL)

Channel Capacity	1 out
Connector	Terminal Block
Carrier Frequency	30 kHz to 60 kHz (Output) 30 kHz to 60 kHz (IR learning)

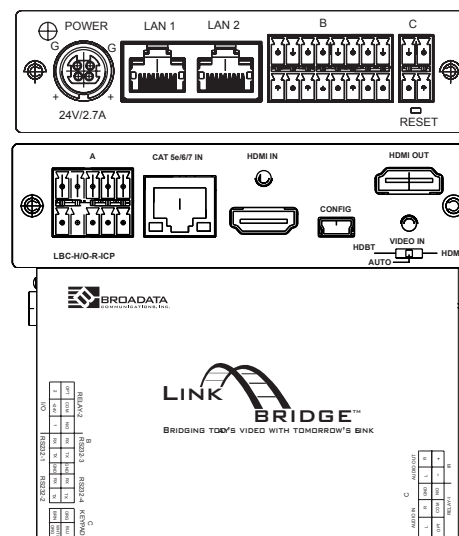
RELAY (CONTROL)

Channel Capacity	2 normally open/normally closed relays
Relay Contact Rating	24 VDC, 1A
Connector	Terminal block

PHYSICAL

Dimensions	8.36" (W) x 4.23" (D) x 1.12" (H)
Power Consumption	24 VDC @ 1.25A
Operating Temperature	0 to 40-deg C
Humidity	0 to 95%, non-condensing

PANEL DRAWINGS



DOING MORE WITH ONE CABLE