HEX70B-Rx

LINK

HDMI OUT

RX   TX   POWER   DC 12V
        IR

HEX70B-Tx

LINK

HDMI IN

RX   TX   POWER   DC 12V
        IR

HEX70B-RX/-TX
User Manual

BLUSTREA

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Safety And Performance Notice

The transmission distances of HDMI over UTP cables are measured using TE CONNECTIVITY 1427071-6

EIA/TIA-568-B termination (T568B) of cables is recommended for optimal performance.

To minimize interference of the unshielded twisted pairs in the CAT5e/6 cable do not run the HDBaseT / Cat5e/6/6a cabling with or in close parallel proximity to mains power cables.

Do not substitute or use any other power supply other than the enclosed unit, or a Blustream approved replacement.

Do not disassemble either the Transmitter or Receiver units for any reason. Doing so will void the manufacturer's warranty.

Contents

Introduction

The HEX70B Rx is designed as a HDbaseT receiver unit for all Blustream HDbaseT Lite products and supports uncompressed 1080p signal up to 70 metres. This HDbaseT receiver also supports lossless audio and bi-directional IR signals over a single category cable.
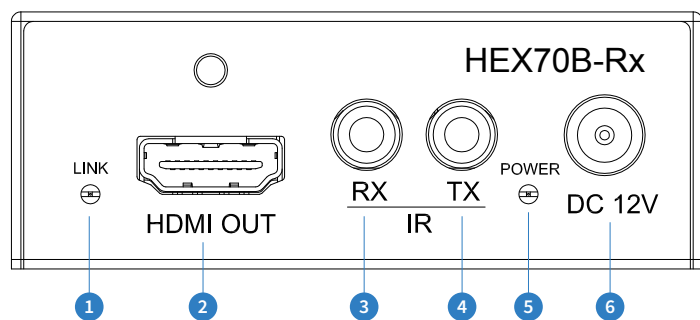
The HEX70B Tx is designed as a HDbaseT transmitter unit for all Blustream HDbaseT Lite products and supports uncompressed 1080p signal up to 70 metres. This HDbaseT transmitter also supports lossless audio and bi-directional IR signals over a single category cable.
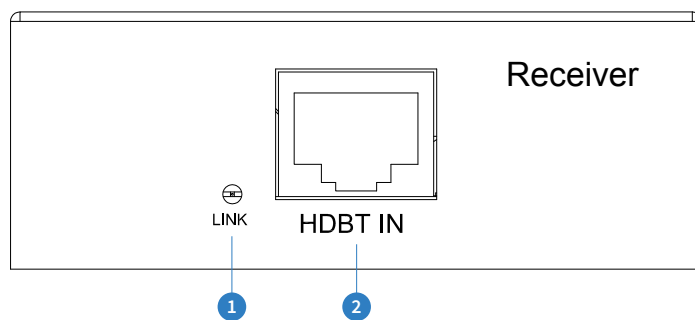
FEATURES:

- Extends IR and audio/visual content up to 70M @ 1080p over a single CAT5e/6 cable
- Supports 4Kx2K pass through up to 40M
- 3.5mm jack IR I/O ports for sending and receiving IR control signals for use with IR remote controls and 3rd party control products
- POH (Power over HDBT): This feature removes the need for a power supply when connected to a POH enabled matrix or transmitter
- Multi-channel audio format pass through (including Dolby TrueHD and DTS-HD Master Audio)
- Full 3D pass through
- HDCP compliant

Note: The POH function is designed for powering compatible transmitter or receiver units from Blustream only.
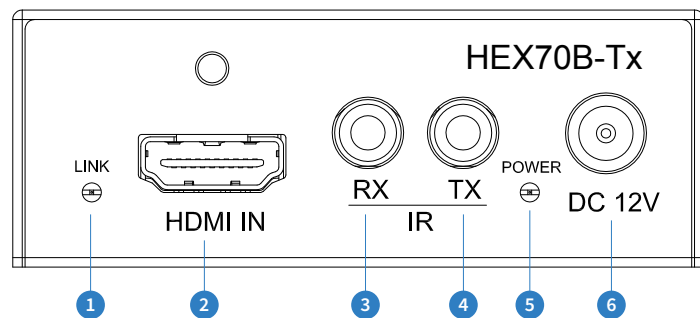
Panel Description HEX70B-RX

LINK
HDMI OUT   RX   TX   POWER   DC 12V
IR

HEX70B-Rx

① ② ③ ④ ⑤ ⑥

LINK   HDBT IN

Receiver

① ②

① HDMI indicator
② HDMI output
③ IR Receiver jack (Sensor input)
④ IR Transmitter jack (Emitter output)
⑤ Power indicator
⑥ DC power input

① HDBaseT connection indicator
② HDBaseT input

Panel Description HEX70B-TX

LINK
HDMI IN   RX   TX   POWER   DC 12V
IR

HEX70B-Tx

① ② ③ ④ ⑤ ⑥

LINK   HDBT OUT

Transmitter

① ②

① HDMI indicator
② HDMI input
③ IR Receiver jack (Sensor input)
④ IR Transmitter jack (Emitter output)
⑤ Power indicator
⑥ DC power input

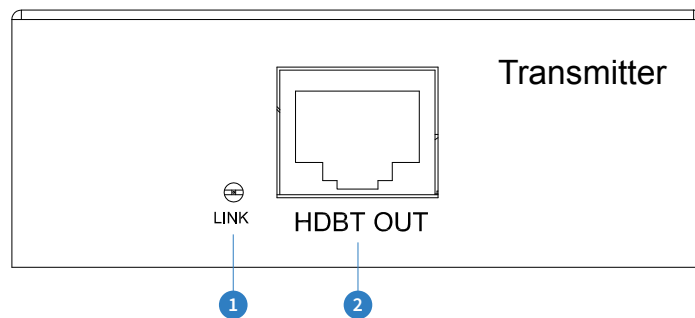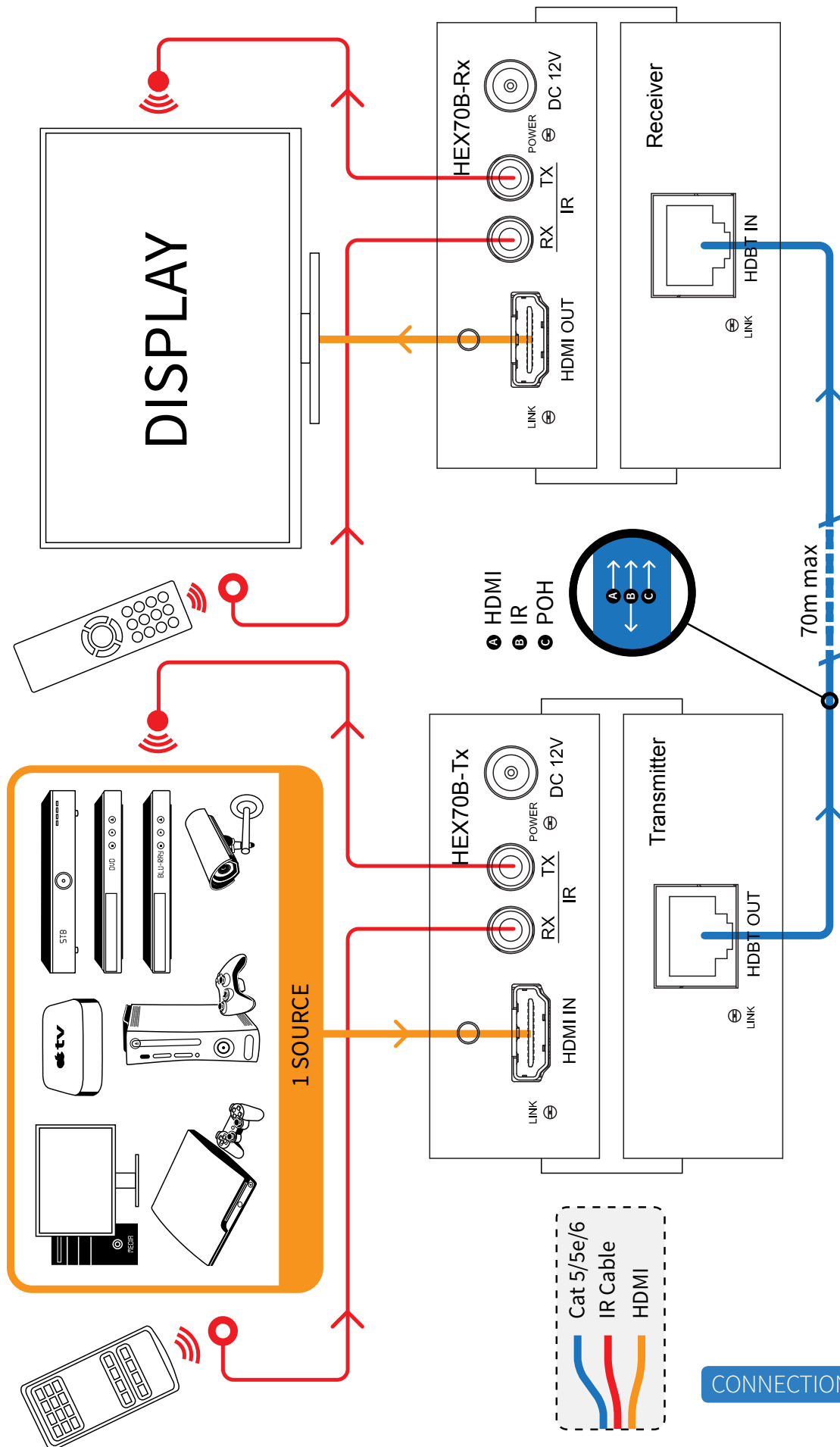① HDBaseT connection indicator
② HDBaseT output

DISPLAY

HEX70B-Rx

POWER ⏚ DC 12V

TX
IR
RX

HDMI OUT

LINK ⏚

Receiver

HDBT IN

LINK ⏚

Ⓐ HDMI
Ⓑ IR
Ⓒ POH

Ⓐ Ⓑ Ⓒ

70m max

HEX70B-Tx

POWER ⏚ DC 12V

TX
IR
RX

HDMI IN

LINK ⏚

Transmitter

HDBT OUT

LINK ⏚

1 SOURCE

STB
DVD
BLU-RAY

Cat 5/5e/6
IR Cable
HDMI

CONNECTION DIAGRAM

Specifications

Video input	HEX70B-Tx 1XHDMI Type A, 19-pin, female		HEX70B-Rx 1xRJ45	
Video output	HEX70B-Tx 1xRJ45		HEX70B-Rx 1XHDMI Type A, 19-pin, female	
IR input	1x3.5mm stereo jack			
IR output	1x3.5mm stereo jack			
Power Supply	12V/2A DC, screw type connector			
Power Consumption	9.5W			
Audio	Passes up to Dolby TrueHD or DTS-HD Master Audio			
Resolution	Video: up to 4Kx2K VESA: up to 1920x1200			
Distance	70M @ 1080p over CAT5e/6 40M @ 4Kx2K over CAT5e/6			
Dimensions	105x73x27mm (LxWxH)			
Weight	200g			
Temperature	Operating 0°C to 40°C		Storage 20°C to 60°C	
Rack-Mountable	Mounting ears included			

NOTE: *Specifications are subject to change without notice. Weight and dimensions are approximate.*

Package Contents:

- HEX70B-Rx*
- 1 x 12V/2A DC power supply
- 1 x IR Emitter
- 1 x IR Sensor
- 1 x mounting brackets
- 1 x user manual

- HEX70B-Tx*
- 1 x 12V/2A DC power supply
- 1 x IR Emitter
- 1 x IR Sensor
- 1 x mounting brackets
- 1 x user manual

* HEX70B - Kit includes **both** Tx & Rx.

Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.