HEX70B-RX

LINK

HDMI OUT

RX   TX

IR

POWER

DC 12V

HEX70B-TX

LINK

HDMI IN

RX   TX

IR

POWER

DC 12V

▶ HEX70B-RX/TX
User Manual

BLUSTREAM

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.
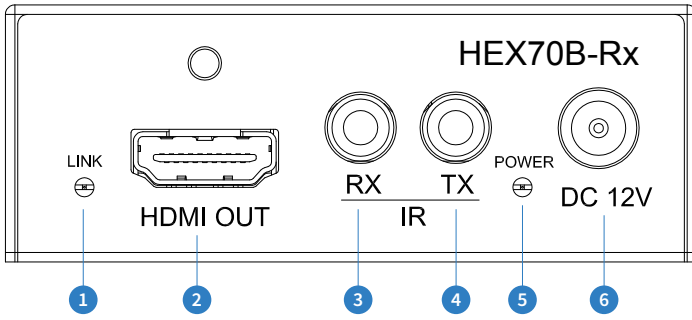
Contents

Introduction

Our HEX70B-KIT 4K HDBaseT™ extender set offers market leading features and outstanding value. The product delivers HDMI, Bi-directional IR and Bi-directional PoH (PoE) up to lengths of 70m.
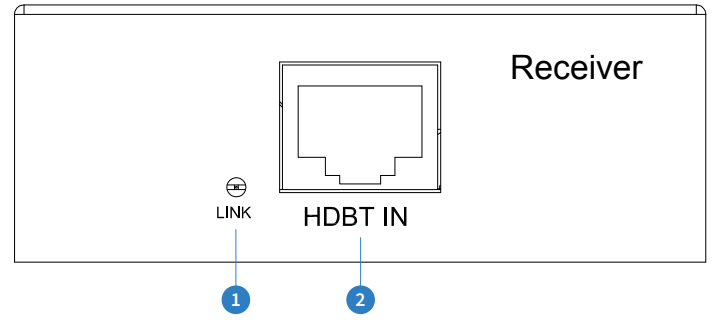
FEATURES:

- Extends HDMI up to distances of 70m over single CAT cable
- Supports 4K UHD video up to 40m (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports 3D signal display
- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission

- Supports bi-directional IR from all input and output locations
- Supplied with Blustream IR receiver and emitters
- Supports bi-directional PoH (Power over HDBaseT™) to power extenders from either transmitter or receiver end
- HDCP compliant
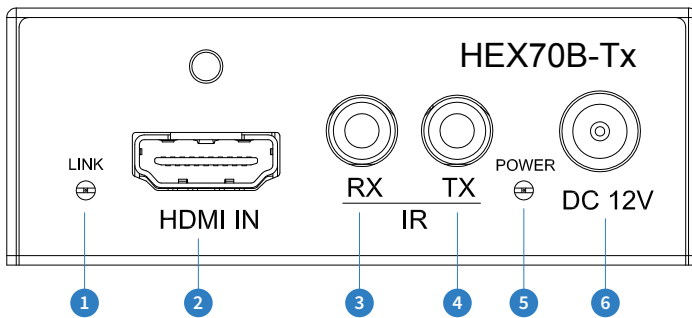
Panel Description HEX70B-RX

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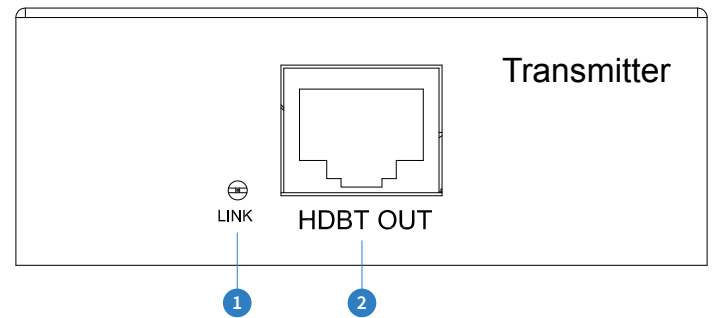5. Power indicator
6. DC power input
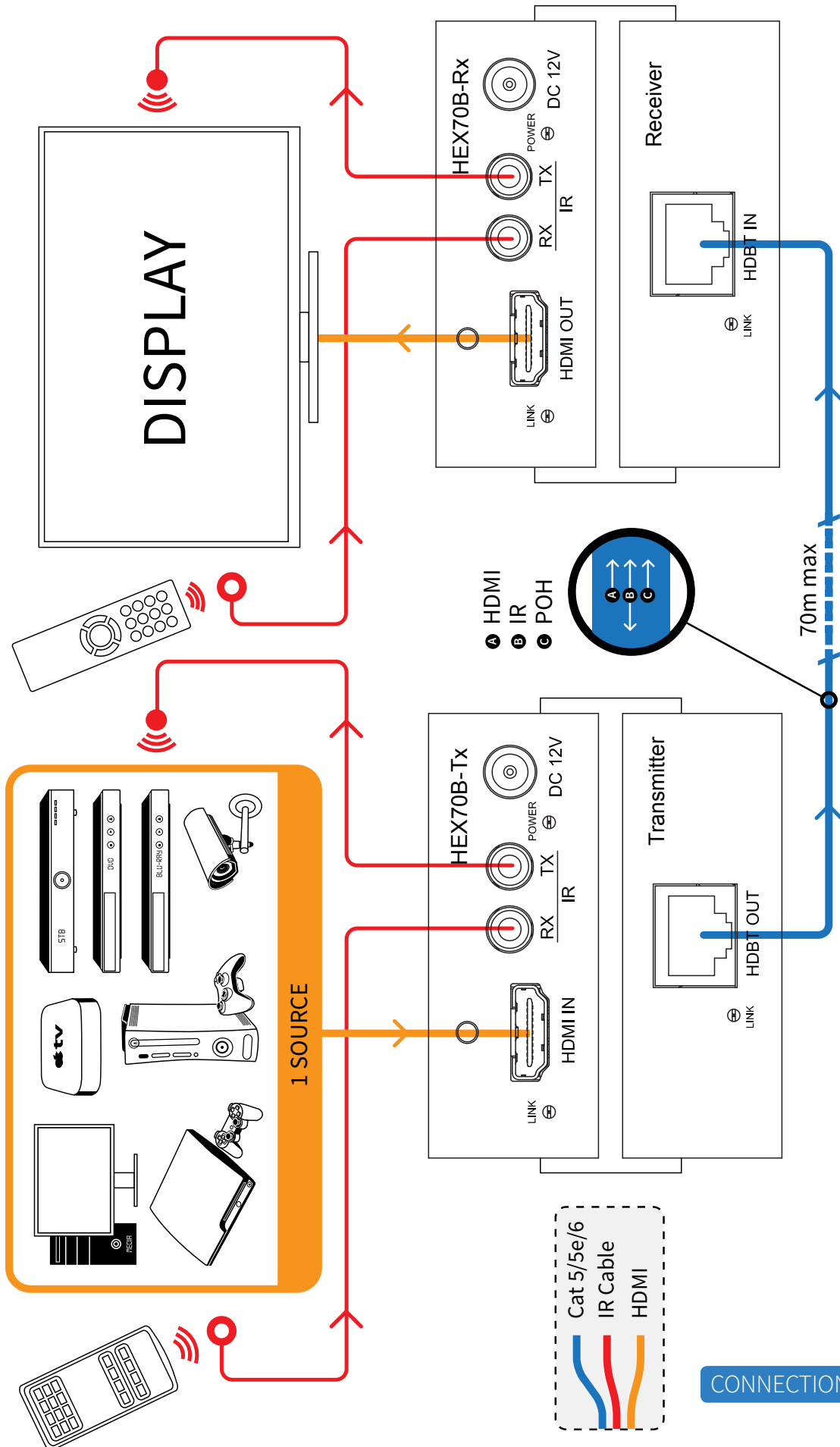
1. HDBaseT connection indicator
2. HDBaseT input

Panel Description HEX70B-TX

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

Receiver

POWER · DC 12V

TX

RX

IR

HDMI OUT

LINK

HDBT IN

LINK

Ⓐ HDMI
Ⓑ IR
Ⓒ POH

Ⓐ Ⓑ Ⓒ

70m max

1 SOURCE

STB

DVD

BLU-RAY

HEX70B-Tx

Transmitter

POWER · DC 12V

TX

RX

IR

HDMI IN

LINK

HDBT OUT

LINK

Cat 5/5e/6
IR Cable
HDMI

CONNECTION DIAGRAM

Specifications

Video Input	HEX70B-TX 1x HDMI Type A, 19-pin, female	HEX70B-RX 1x HDBaseT™ RJ45
Video Output	HEX70B-TX 1x HDBaseT™ RJ45	HEX70B-RX 1x HDMI Type A, 19-pin, female
IR Input Ports	2x 3.5mm stereo jack	
IR Output Ports	2x 3.5mm mono jack	
Power Supply	12V/2A DC, screw type connector	
Power Consumption	9.5W	
Dimensions (WxDxH)	105x73x27mm	
Shipping Weight	0.4kg	
Operating Temperature	32°F to 104°F (0°C to 40°C)	
Storage Temperature	-4°F to 140°F (-20°C to 60°C)	
Rack-Mountable	Mounting kit 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.

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