# HEX18GARC-KIT

BLUSTREAM

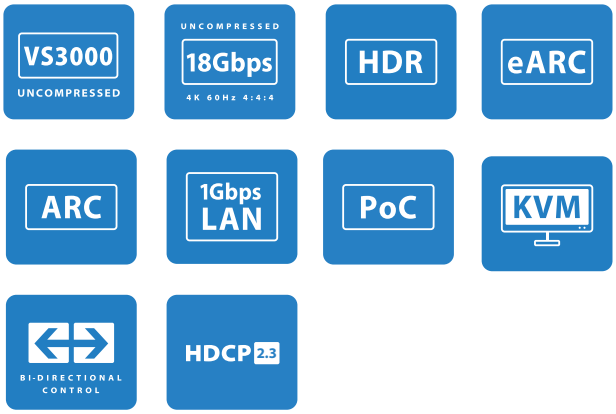
## Advanced HDBaseT™ Extender Set

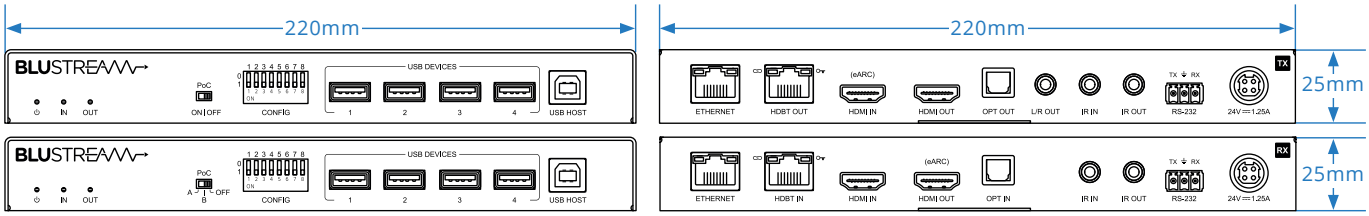
### Description

The HEX18GARC-KIT extender set is an industry leading uncompressed, unconverted HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.3/2.2 solution utilising the latest in HDBaseT™ technology.

The HEX18GARC-KIT supports uncompressed distribution of the latest HDR resolutions including HDR10/10+ resulting in the ultimate in picture quality for your critical viewing areas.

The HEX18GARC-KIT supports bi-directional IR, RS-232 and PoC up to lengths of 100m over a single CAT6A cable. The HEX18GARC-KIT also provides enhanced features including KVM, eARC via HDMI, or ARC via HDMI or Optical (S/PDIF), and 1Gbps Ethernet pass through.



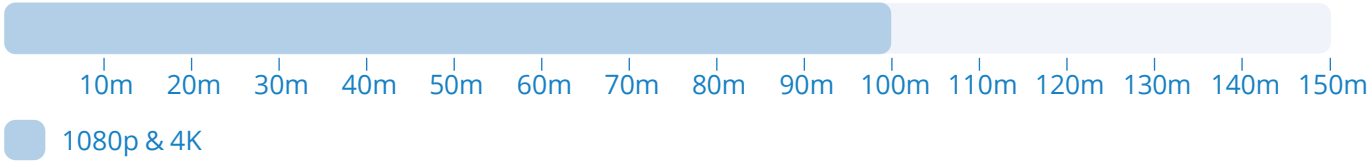




### Key Features

- Advanced uncompressed, unconverted, HDMI over HDBaseT™ technology offering distribution of bit-for-bit 4K HDMI video and audio over a single CAT6A cable
- Supports HDMI2.0 18Gbps specification including 4K 60Hz 4:4:4 UHD video
- Supports uncompressed distribution of the latest HDR resolutions including HDR10/10+
- Supports HDMI video distribution up to 100m*
- Features 1x HDMI loop-out on HEX18GARC-TX for integrating local displays or cascading to multiple devices
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- HDMI re-clocking on the HDBaseT™ Receiver to help solve HDMI HDCP, compatibility, and handshaking issues
- Supports eARC (Enhanced Audio Return Channel) from display via HDMI, and standard ARC from HDMI and Optical (S/PDIF) digital inputs
- Supports audio return to HDMI (eARC compatible), optical digital, and analogue L/R audio outputs (analogue output supports 2ch PCM only)
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications.
- Features USB 2.0 for KVM with a combined speed of up to 350Mbps. Each USB-A power delivering 5V 0.5A per port with a maximum combined power delivery of 2A.
- Bi-directional Ethernet (1Gb), IR, & RS-232 pass through
- Supplied with Blustream IR receiver and emitter
- Bi-directional PoC (Power over Cable) to power extenders from either transmitter or receiver end
- Support for HDCP 2.3, HDCP 2.2 and HDCP 1.4

**Transmission distance is subject to video format, cable type and installation environment. It is recommended to use a minimum of CAT6A cabling*

### Transmission Distance CAT6A *




* *Transmission distance is subject to video format, cable type and installation environment. It is recommended to use a minimum of F/UTP CAT6A cabling.*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# HEX18GARC-KIT

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## HEX18GARC-RX Connectivity

- Video Input Connectors: 1x HDBaseT™ RJ45 connector, 1x HDMI Type A, female (reserved for future use)
- Video Output Connectors: 1x HDMI Type A, female
- Audio Input Connectors: 1x Optical (S/PDIF)
- Ethernet port: 1x RJ45 connector
- RS-232 serial port: 1x 3-pin Phoenix connector
- USB/KVM Port: 1x USB-Type B, 4x USB-Type A
- IR Input ports: 1x 3.5mm stereo jack
- IR Output ports: 1x 3.5mm mono jack
- CTRL: 8-PIN DIP switch

## HEX18GARC-TX Connectivity

- Video Input Connectors: 1x HDMI Type A, female
- Video Output Connectors: 1x HDBaseT™ RJ45 connector, 1x HDMI Type A, female
- Audio Output Connectors: 1x Analogue audio L/R (3.5mm stereo Jack), 1x Optical (S/PDIF)
- Ethernet port: 1x RJ45 connector
- RS-232 serial port: 1x 3-pin Phoenix connector
- USB/KVM Port: 1x USB-Type B, 4x USB-Type A
- IR Input ports: 1x 3.5mm stereo jack
- IR Output ports: 1x 3.5mm mono jack
- CTRL: 8-PIN DIP switch

## Specifications

- Casing Dimensions (W x D x H ): 220mm x 100mm x 25mm (TX/RX)
- Shipping Weight (Kit): 1.85kg
- Operating Temperature: 32°F to 104°F (0°C to 40°C)
- Storage Temperature : -4°F to 140°F (-20°C to 60°C)
- Mounting kits included
- Power Supply: 1x 24V/1.25A DC

## Included Accessories

| | |
|---|---|
| **Mounting** | 4 x Brackets |
| **IR Accesories** | 1 x IRR, 1 x IRE1 |
| **Power Supply** | 1 x 24V/1.25A DC |
| **Cables** | 1 x USB-A to B |

## Regulatory Compliance

RoHS Compliant

Blustream cannot be held responsible for errors in typography or photography. Specifications are subject to change without notice.

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