

4x4 4K HDBaseT™3 AV Matrix Kit with ARC

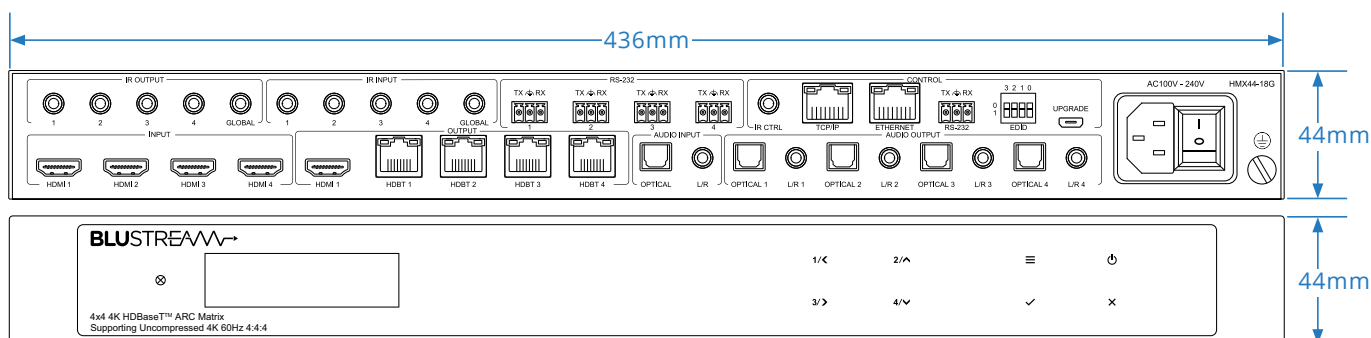
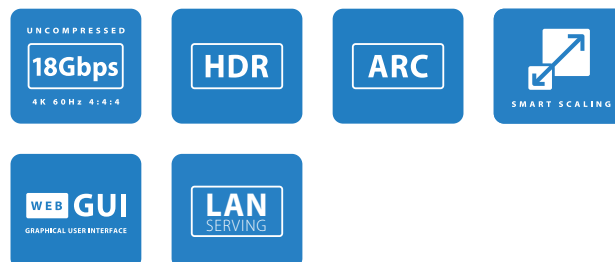
Description

The HMX44-18G Matrix kit is an industry leading uncompressed, unconverted HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.3/2.2 solution utilising HDBaseT™ 3 technology to deliver HDMI, bi-directional IR & RS-232, ARC / Optical S/PDIF return, 1Gb Ethernet, and PoC up to lengths of 100m over a single CAT6A cable.

The HMX44-18G supports uncompressed distribution of the latest HDR resolutions including HDR10/10+ resulting in the ultimate in picture quality for your critical viewing areas.

The Matrix also provides advanced features including simultaneous HDBaseT™/HDMI on output 1, video smart scaling on HDBaseT™ outputs, and an independent 14x4 audio matrix, with ARC and Optical audio return.

The HMX44-18G includes an in-built web browser interface module for control and configuration of the Matrix, and RS-232, IR and 1Gb Ethernet pass through to enable seamless 3rd party control integration.



Key Features

- Advanced uncompressed, unconverted, HDMI over HDBaseT™3 technology offering distribution of bit-for-bit 4K HDMI video and audio over a single CAT6A cable
- Features 4 x HDMI inputs which can be independently routed to 4 x HDBaseT™ outputs
- Output 1 features a simultaneous HDMI and HDBaseT™ output
- Supports distribution of uncompressed HDMI2.0 18Gbps specification including 4K 60Hz 4:4:4 UHD video up to 100m*
- Supports distribution of the latest HDR resolutions including HDR10/10+
- 14x4 Audio Matrix independently controllable from video. Audio source inputs include:
 - 4 x audio breakout from HDMI source inputs
 - 4 x audio breakout from zone outputs
 - 4 x audio return from zone outputs**
 - 1 x optical and 1x analogue audio input
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications.
- Integrated Ethernet switch (LAN Serving) when used with Blustream RX18G receiver (1Gb maximum)
- Web interface module for control and configuration of the Matrix
- Supports bi-directional IR and RS-232 on all HDBaseT™ outputs
- Control via front panel, IR, iOS / Android App, RS-232 and TCP/IP
- Supports PoC (Power over Cable) to power the supplied HDBaseT™ receivers
- Advanced EDID management and HDCP 2.3 compliant
- Supplied with 4 x RX18G HDBaseT™ Receivers

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

**ARC feature supports HDMI ARC or Optical S/PDIF audio return. Compatible with RX18G only

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Specifications - HMX44-18G Matrix

- **Video Input Connectors:** 4 x HDMI Type A, 19-pin, female
- **Video Output Connectors:** 1 x HDMI Type A, 19-pin, female, 4 x HDBaseT™ RJ45 connectors
- **Audio Input Connectors:** 1 x Analogue audio L/R (3.5mm stereo jack), 1 x Optical (S/PDIF)
- **Audio Output Connectors:** 4 x Analogue audio L/R (3.5mm stereo jack), 4 x Optical (S/PDIF)
- **RS-232 Serial Port:** 5 x 3-pin phoenix connector
- **TCP/IP Control Port:** 1 x RJ45, female
- **Ethernet Passthrough Port:** 1 x RJ45, female
- **IR Input Ports:** 6 x 3.5mm stereo jack
- **IR Output Ports:** 5 x 3.5mm mono jack
- **Product Upgrade Port:** 1 x Micro USB, female
- **Rack Mountable:** 1U rack height, rack ears included
- **Casing Dimensions (W x H x D):** 436mm x 360mm x 44mm (without feet)
- **Dimensions Including Connections (W x H x D):** 436mm x 365mm x 44mm

Included Accessories

Receivers	4 x RX18G
Mounts	1 x Rack Mounting Kit
Controller	1 x Remote Control
Cables	4 x IR Emitters 5 x IR Receivers 1 x Serial Cable - DB9 to 3-pin Phoenix Connector 1 x IR Control Cable IEC Power Cable(s)

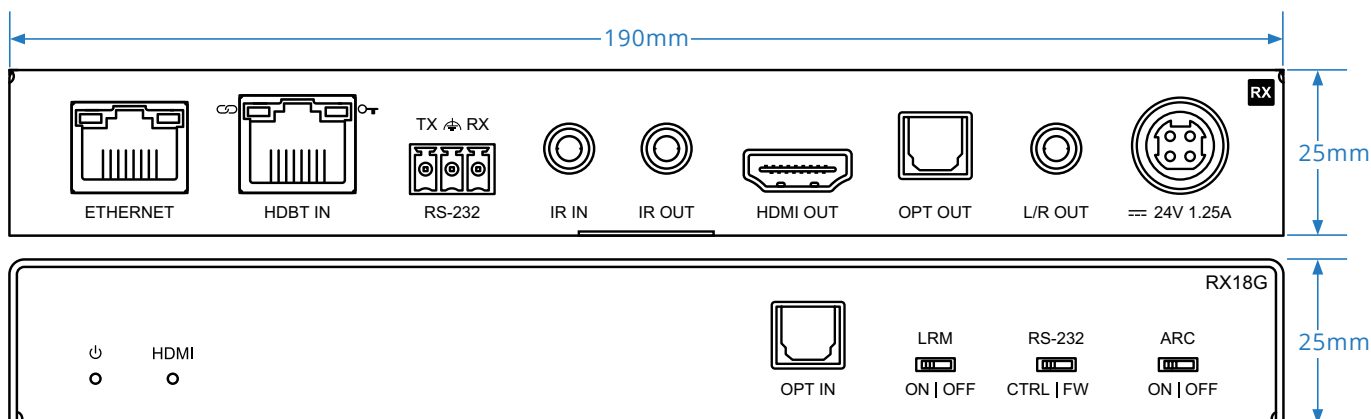
Specifications - RX18G Receiver

- **Video Input Connectors:** 1 x HDBaseT™ RJ45 connector
- **Video Output Connectors:** 1 x HDMI Type A, female
- **RS232 Serial Port:** 1 x 3-pin Phoenix connector
- **Audio Output Connectors:** 1 x Analogue audio L/R (3.5mm stereo jack), 1 x Optical (S/PDIF)
- **Audio Input Connectors:** 1 x Optical (S/PDIF)
- **Ethernet Port:** 1 x RJ45, female connector
- **IR Input Port:** 1 x 3.5mm stereo jack
- **IR Output Port:** 1 x 3.5mm mono jack
- **Mounting Kit:** Included
- **Casing Dimensions (W x H x D):** 190 x 100 x 25mm
- **Dimensions Including Connections (W x H x D):** 190 x 108 x 25mm
- **Power Supply:** 24V/1.25A DC, 4-pin DIN when PoC not used
- **Shipping Weight:** 1.0kg

Specifications - HMX44-18G-KIT

- **Shipping Weight:** 8.7kg
- **Operating Temperature:** 23°F to 131°F (-5°C to +55°C)
- **Storage Temperature:** -13°F to 158°F (-25°C to +70°C)
- **Power Supply:** Internal 100-240V AC
- **HDBaseT™ Power Output:** 24V DC 0.75A per port

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Key Features

- Advanced HDBaseT™ spec 3.0 technology offering distribution of video and audio over a single CAT6A cable
- Supports uncompressed HDMI2.0 18Gbps 4K 60Hz 4:4:4 specification including HDR
- Extends HDMI 1080p video up to 150m (HDBaseT™ long-reach mode)
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports ARC (Audio Return Channel) from connected display via HDMI or Optical digital inputs (when used with compatible Blustream matrix)
- Bi-directional 1Gb Ethernet pass through when used with compatible Blustream matrix solution
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications.
- Bi-directional RS-232 pass-through
- Supports bi-directional IR pass-through from compatible Blustream matrix
- Supports PoC (Power over Cable) from compatible Blustream matrix
- HDCP 2.3 support
- Recommended receiver to be used with Blustream HMX88-18G and HMX44-18G matrix

Regulatory Compliance



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