

# **Xantech XT-HDBT-EX100-4K18G-KIT 4K60 HDR HDBaseT Extender(Transmitter/Receiver) Set with ARC/RS-232/IR/PoH (100m)**

Xantech HDBaseT Extender Set with 4K 60 Hz 4:4:4 HDR Support (100m) – featuring ARC, Ethernet pass-through, Bi-directional IR, RS-232 and PoH (Power over HDBaseT).

Xantech's range of HDBaseT™ products offer the very best in performance and flexibility. The XT-HDBT-EX100-4K18G-KIT is an industry leading HDBaseT™ solution delivering stunning 4K HDR with HDCP 2.2 support, Bi-directional IR, RS-232 and PoH (PoE) up to lengths of 100m at 4K (100m at 1080p) over a single CAT cable. The XT-HDBT-EX100-4K18G-KIT HDBaseT™ kit provides enhanced features including ARC via HDMI or Optical (S/PDIF) and integrated Ethernet pass-through.

**Important Note:** This product uses Xantech's legendary 12v IR signal to ensure reliability. We recommend using any of Xantech's IR receivers and emitters. This product is also compatible with all ELAN controller IR outputs.

## **CSC**

Advanced Color Space Conversion (CSC) supports full HDMI 2.0 4K 18Gbps input signal. Xantech® extenders convert the 18Gbps signal to a format compatible with HDBaseT™ distribution.

## **HDBaseT™**

HDBaseT transmits uncompressed full HD digital video, audio, 100 BaseT Ethernet, Power-over- HDBaseT (PoH) and IP / RS-232 signals through a single CAT 6 cable over distances of up to 100 meters.

## **HDCP 2.2**

HDCP2.2 is the next generation of copy protection required to allow the playback of the latest 4K source media.

## **Power over HDBaseT™ (POH)**

Xantech extenders and matrices feature PoH. This feature allows you to power the remote HDBaseT receiver/s via the CAT cable, removing the need for a power supply.

## **4K**

A 4K display has four times the number of pixels than your current Full HD 1080p display so the clarity of the image is much more superior and detailed.

## **Features:**

- Advanced HDBaseT™ technology offering uncompressed video and audio with zero latency
- Advanced Color Space Conversion (CSC) allows full 4K HDR (High Dynamic Range) transmission
- Extends HDMI up to a distance of 100m over single CAT cable
- Supports 4K UHD video up to 100m (3840 x 2160 @60Hz 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 ARC (Audio Return Channel) from display via HDMI and Optical digital inputs (ARC feature supports distance of up to 90m)
- Supports audio return to HDMI, Optical digital and analog L/R audio outputs (DAC PCM only)
- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio Transmission
- Integrated Ethernet pass-through
- Bi-directional RS-232 pass through
- Bi-directional IR pass-through
- Bi-directional PoH (Power over HDBaseT) to power extenders from either transmitter or receiver end
- HDCP 2.2 Compliant