



VEX100-18G-TX HDBaseT™ Transmitter



VEX100-18G-RX HDBaseT™ Receiver

VEX100-18G-KIT 4K HDBaseT™ Extender Kit

The VEX100-18G-KIT offers the very best in extender performance and flexibility. This industry-leading 4K HDBaseT™ solution delivers ultra-high resolution HDMI video with HDCP 2.2 support, bi-directional IR, RS232 and PoH (Power over HDBaseT) up to lengths of 328ft/100m over a single CAT cable. The VEX100-18G-KIT also provides installers the ability to extend the control network without the need for additional cables.

Included in the box:

- 1 x VEX100-18G-TX
- 1 x VEX100-18G-RX
- 1 x IR Receiver
- 1 x IR Transmitter
- 1 x 15V/2A DC Power Supply
- 2 x Mounting Brackets

Key Features

- Advanced HDBaseT™ technology offering uncompressed video and audio with zero latency
- Supports 4K UHD video up to 70m (Full 3840 x 2160 @50/60Hz 4:4:4 resolution) and 1080P up to a distance of 100m over single CAT cable
- Supports ARC (Audio Return Channel) from connected display via HDMI or optical digital inputs
- Supports Bi-directional IR from all input and output locations and bi-directional RS-232 pass through
- Supports all known HDMI audio formats including Dolby TrueHD®, Dolby Atmos®, Dolby Digital Plus® and DTS-HD Master Audio® transmission
- Extend your control network with an integrated Ethernet port (LAN Serving).
- Supports bi-directional PoH (Power over HDBaseT™) to power extender from either Matrix, transmitter or receiver end
- HDCP 2.2 support

Specifications

VEX100-18G-TX Transmitter

Video Input Connectors	1 x HDMI Type A, female
Video Output Connectors	1 x HDBaseT™ RJ45 Connector
Audio Output Connectors	2 x RCA (L/R), 1 x Optical (SPDIF)
Ethernet Port	1 x RJ45 Connector
RS-232 Serial Port	1 x DB-9 female
IR Input Ports	1 x 3.5mm Stereo Jack
IR Output Ports	1 x 3.5mm Mono Jack
Dimensions	5.3" x 5.1" x .9" (134mm x 129mm x 22mm) (without connectors or feet)

VEX100-18G-RX Receiver

Video Input Connectors	1 x HDBaseT™ RJ45 Connector
Video Output Connectors	1 x HDMI Type A, female
Audio Input Connectors	1 x Toslink
Ethernet Port	1 x RJ-45 Connector
RS-232 Serial Port	1 x DB-9 female
IR Input Ports	1 x 3.5mm Stereo Jack
IR Output Ports	1 x 3.5mm Mono Jack
Dimensions	5.3" x 5.1" x .9" (134mm x 129mm x 22mm) (without connectors or feet)

General Specs

Power Supply	1 x 12V/2A DC, Screw Connector
HDBaseT™ Transmission Distance	1080p@50/60Hz ≤ 328ft (100m) 3840 x 2160 @50/60Hz 4:4:4 ≤ 229ft (70m)
Max. Bandwidth	18Gbps
Shipping Weight (Kit)	3.5lbs (1.6kg)
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Warranty	Three Years (Parts & Labor)

All features and specifications subject to change without notice

State-of-the-Art HDBaseT Technology



HDBaseT™

No bottleneck with the latest HDBaseT™ 18Gbps standard that provides the highest possible bandwidth that currently exists.



4K UHD

Enjoy stunning picture quality with 4K UHD resolution.



2160p/60Hz/4:4:4

Eliminate blurred fast motions in action movies. 4K resolution paired with 60Hz refresh rate provides a crystal clear and crisp picture quality.



Long Distance

Go beyond the distance limitations of HDMI cables. Video can be transmitted over a Cat cable up to 328ft/100m.



HDCP 2.2

Be fully compliant with the latest copy protection algorithms to avoid black screens when connecting an HDMI source.



ARC

Watch TV or movies in 5.1 Dolby or DTS audio by sending the TV audio to an AVR located up to 328ft/100m away.



Power over HDBaseT™

Get rid of extra power supplies for HDBaseT™ receivers. Remote devices can be powered over the HDBaseT cable.