



UH18

4K Video and USB HDBaseT 2.0 Extender (Sender + Receiver)



TRANSMITTER



RECEIVER

FEATURES

- Extends 4K@60Hz up to 100 m and 1080p@60Hz up to 150m
- HDMI 2.0, HDCP 2.2 compliant and supports HDR10
- Perfect for KVM Extension (accessing a PC from a remote location)
- HDMI loop-output on the Sender
- Audio Extraction on the Receiver(Analog and SPDIF)
- EDID Management
- Support LPCM 7.1, DTS-HD, Dolby-HD
- Fully compliant with HDBaseT™ 2.0 specifications
- Bi-directional IR and RS-232 Pass through
- Plug and Play Installation – takes minutes to setup
- Only one power supply needed (power is sent over UTP cable to other side)
- Perfect for Server Rooms with local and remote access to the PCs

DESCRIPTION

The UH18 extends HDMI Video, USB, IR, and RS-232 on a single CAT6 cable to over 100 meters. It is perfect for allowing access to a PC from a remote user location and can be used to place the PC in a secure location away from the user station. The Sender provides local HDMI loop output as well as a USB hub so users can access the PC locally as well as from a remote station. The extender kit consists of a Sender (UH18-S) and Receiver (UH18-R). Power, USB, RS-232 and IR (remote) signals are extended on the same cable. The power supply can be connected at either end of the extender.

The UH18 provides 18 Gbps video bandwidth and supports HDMI resolutions up to and including 4K @ 60 Hz 4:4:4 (UHD). The Sender has a built in video splitter and features a convenient local HDMI video output connector.

USB 2.0 extends from a USB host connected at the Sender. Both the Sender and the Receiver have USB hubs with two USB device ports for connecting USB devices such as a keyboard, mouse, touch screen, printer, flash drive, web cam or other USB 1.1/2.0 device.

The extender kit also provides a user selectable "LONG REACH" mode. In this mode, the extender kit can support distances to 150 meters (500 feet) with a maximum resolution of 1920x1080 (1080p).

For extra convenience the remote receiver de-embeds HDMI audio and provides both analog (L/R stereo on 3.5mm jack) as well as digital SPDIF via RCA. This is a perfect for connecting a pair of speakers at the remote location using the Hall Research AMP-4840 audio amplifier.



Video:	Standards	HDMI 1.4/2.0 and HDCP 1.4/2.2
	Resolutions	DTV/HDTV up to 4K@60 YUV 4:4:4
Audio:	HDMI	LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS 2~5.1CH, Dolby TrueHD and DTS-HD Master Audio
	Extraction	Analog (Line Level) and SPDIF
		Note: Analog output is only active when the HDMI Audio is 2-channel. SPDIF output is always active regardless of audio format of 2.0, 5.1 or 7.1 channels
Peripherals:	RS-232	Full Duplex Pass-through at any baud rate
	USB	Supports all USB 2.0/1.1 Devices
	IR	Bi-directional Pass-through 56K carrier
Power:	Input	100-240 VAC, 50-60 Hz 0.8 A (US/EU Standard, CE/FCC/UL Certified)
	Output	24 VDC @ 1.0 A
	Consumption	14 Watts
	Type	DAL POC (Power only required at one end)
Temperature:		Storage: +32 to +140 °F (0 to 40 °C) / 5% to 90%, non-condensing Operating: +32 to +104 °F (0 to 40 °C) / 5% to 90%, non-condensing
Enclosure:		Metal (Steel)
Dimensions:		6.87" (172.4 mm) W x 4.45" (113.2 mm) D x 0.95" (24 mm) H All protrusions included
Weight:	Product	1.3 Lbs
	Shipping	5.2 Lbs (Sender + Receiver)
Safety:		CE
EMI/EMC:		CE, FCC Class A
MTBF:		90,000 estimated
Warranty:		3 years parts and labor