



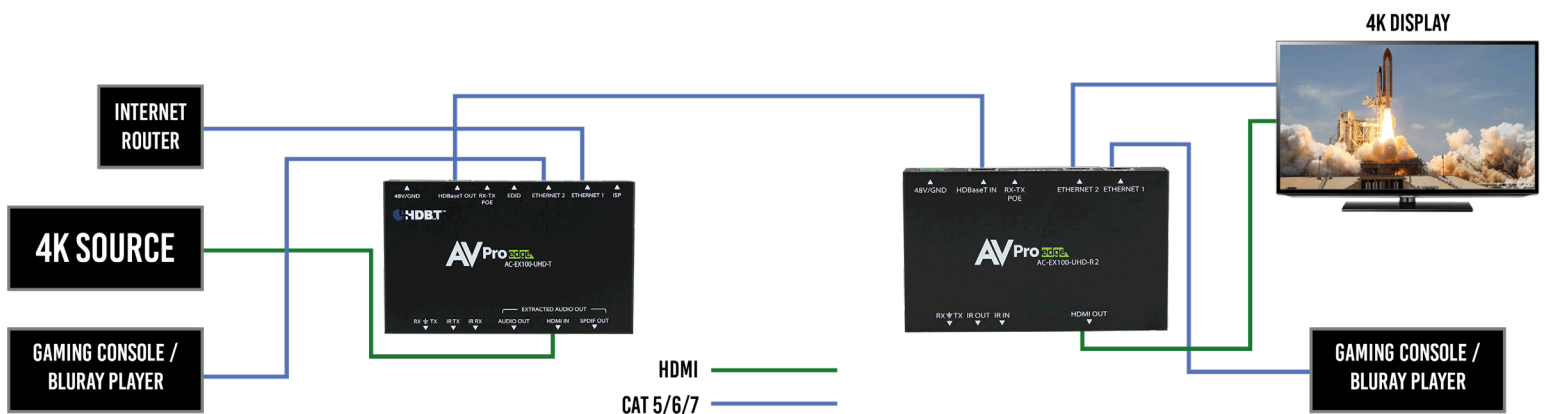
BAD A** EXTENDER 100M HDBaseT TRANSMITTER & RECEIVER AC-EX100-UHD-KIT

COMPREHENSIVE FEATURES, EASIER IMPLEMENTATION. THE B.A.E INCLUDES BI-DIRECTIONAL POWER, RS-232, IR, ETHERNET, AUDIO EXTRACTION, AND EDID MANAGEMENT. USING THE MOST POWERFUL HDBaseT TECHNOLOGY ON THE MARKET, THIS PRODUCT IS SURE BE A ROBUST, LONG LASTING PART OF YOUR INFRASTRUCTURE.



The B.A.E features advanced functions like bi-directional power to supply the transmitter from the receiver or the receiver from the transmitter. Either way only one power supply is required. The transmitter and receivers both have Ethernet ports, which act as bi-directional Ethernet hubs. Extract audio from the transmitter with the on-board SPDIF and balanced 2-channel ports, as well as, select from preloaded EDIDs so you can have total control over the active source.

THE BAD A** EXTENDER CONNECTION DIAGRAM





IN THE BOX: AC-EX100-UHD-KIT

- AC-EX100-UHD-T (Transmitter)
- AC-EX100-UHD-R2 (Receiver)
- 48V Power Supply (One supplied)
- (1) IR Tx Unit
- (1) IR Rx Unit
- Mounting Ears x 2
- 3-Pin Phoenix for RS-232 port
- Operating Instructions

Optional: RS-232 Cable SKU: AC-CABLE-3.5-DB9F (DB9 Female)
 RS-232 Cable SKU: AC-CABLE-3.5-DB9M (DB9 Male)
 5-Pin to Stereo Cable SKU: AC-CABLE-5PIN-2CH



KEY BENEFITS

ULTRA HIGH DEFINITION: Once HDMI cables are manufactured to a certain length, you're stuck with it. Not to mention, reliability declines after about 25 ft. This does not allow installers or users to make their own cables on an as needed basis. CAT cables on the other hand, are widely available and the lengths can be reworked easily by the installer or end-user.

DISTANCE: By using the AC-EX100-UHD, the transmission distance for HD 1080p is 100 meters (330 ft) & 4K is up to 70 meters (230 ft)

EDID MANAGEMENT: Control the source device with EDID management. With the multitude of sources out there, this feature allows you to fix a known good EDID so the source device knows what to output...every time.

CONTROL: IR & RS-232 are bi-directional and can control the sources from the sinks or vice versa. This allows unlimited flexibility when controlling sinks, and sources. Control the rack (or source) and the display (or sink) over the same single wire.

BI-DIRECTIONAL POWER: Ultra stable bi-directional PoE allows more flexibility as you can choose where you want to power. Eliminate power supplies at the rack and power the Tx remotely from the display (Rx) end.

AUDIO EXTRACTION: The Tx on the pair has audio outputs for PCM audio. Use balanced 2-channel and SPDIF outputs to run audio directly into local AVR. Or, even more common, use the 2-channel audio to go into a distributed audio amplifier/matrix.

I-PASS: Plug your control system emitter ports directly into the IR port on the transmitter (via mono 3.5mm cable) for clean, reliable IR pass through. Our unique VPC (Voltage Protection Circuit) allows you to do this without wear and tear on the sensitive electronics inside.

PRODUCT SPECIFICATIONS

VIDEO RESOLUTIONS	UP TO 4K60 4:2:0 & 4K30 4:4:4
VESA RESOLUTIONS	UP TO 2560x2048 (QSXGA)
HDR RESOLUTIONS	4K24 4:2:2 12 BIT, 4K24 4:2:0 10 BIT
COLOR SPACE	YUV, RGB (CSC: REC. 601, REC. 709, BT2020)
CHROMA SUB-SAMPLING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 12 BIT W/4K
AUDIO FORMATS SUPPORTED	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD DTS-HD MASTER AUDIO, DOLBY ATMOS
DISTANCE 1080p	100 M (330 FEET)
DISTANCE 4K & HDR	70 M (230 FEET) (WITH CAT 6A/7)
BANDWIDTH	10.2 Gbps
CEC	YES
HDCP	HDCP 2.2 AND EARLIER
OPERATING TEMPERATURE	23 TO 95°F (-5 TO 35°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)
POWER CONSUMPTION	15.4 WATTS
POWER SUPPLY	INPUT: AC 100-240V ~50/60HZ OUTPUT: DC 48V .5A (WALL VERSION) OUTPUT: KC 48V .625A 92-PIECE (TABLE TOP VERSION)
DIMENSIONS (UNIT ONLY, HEIGHT/WIDTH/DEPTH)	MM: 25 x 85 x 138 INCH: 1 x 3.35 x 5.43
WEIGHT (UNIT)	.3 LBS / .14KG (TX & RX EACH)
WEIGHT (PACKAGED)	.8 LBS / .36KG (TX & RX EACH)

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE.

FULL FEATURE SET

- HDMI 2.0(A/B)
- 4K60 4:2:0, 4K30 4:4:4
- HDR SUPPORT UP TO 4:2:2 12 BIT
- SUPPORTS 3D
- HDCP 2.2 & EARLIER
- CEC PASS THROUGH
- 100M (330FT) ON 1080p (CAT6A)
- UP TO 70M (230FT) ON 4K (CAT6A)
- BI-DIRECTIONAL 48V PoE
- ETHERNET HUB & EXTENSION
- AUDIO EXTRACTION ON TX (SPDIF, BALANCED 2CH, PCM ONLY)
- EDID MANAGEMENT
- I-PASS FEATURE FOR CONTROL SYSTEM "PASS-THROUGH IR"
- 3-20V PROTECTION CIRCUIT BUILT IN FOR SAFE IR TRANSPORT
- BI-DIRECTIONAL RS-232 TRANSPORT
- IEEE PoE FOR UNIVERSAL HDBASET INSTALLATIONS
- COMPATIBLE WITH HDBASET DISPLAYS, PROJECTORS, AVR'S
- SUPPORTS UNCOMPRESSED PCM 2- CH., LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS, DOLBY TRUEHD, DTS HD-MASTER AUDIO, ATMOS
- CASCADE-ABLE