



100M UNCOMPRESSED AUDIO EXTENDER AC-AEX-KIT

The AC-AEX-KIT professional audio extender from AVPro Edge allows integrators to deliver uncompressed audio signals 100 meters away from the source. The units can switch between Coaxial and Optical digital signals and can be powered by either USB or power adapter allowing users flexibility of choice between power sources. This extender works with any compatible RJ45 connection that has CAT5e or greater cable, and with POE you only have to power one side to deliver power to both.

This is ideal in modern installations when the customer wants to hear the sound from the built-in SmartTV apps, and you want to route them back to the head end for whole home audio distribution.

AUDIO EXTENSION HOME APPLICATION

RCA	—
SPDIF	—
CAT 6A	—
SPEAKER	—

AV RACK

OTHER ROOMS

LIVING ROOM

DISTRIBUTED
AUDIO SYSTEM

RECEIVER

Long range Audio Extender using
category cable as interconnect,
featuring two-way Power over
Cable (PoC).
Up to 328ft/100m using UTP
Up to 426ft/130m using STP

TRANSMITTER

Long range Audio Extender using
category cable as interconnect,
featuring two-way Power over
Cable (PoC).
Up to 328ft/100m using UTP
Up to 426ft/130m using STP

4K DISPLAY

PRODUCT SPECIFICATIONS



DISTANCE	
UTP: UNSHIELDED TWISTED PAIR	100 METERS (328 FEET)
STP: SHIELDED TWISTED PAIR	130 METERS (426 FEET)
PORTS: TRANSMITTER	
AUDIO INPUTS	1X OPTICAL, 1X ANALOG STEREO (L/R)
POWER	LOCKING BARRELL PLUG
EXTENSION/INTERCONNECT	RJ45
PORTS: RECEIVER	
AUDIO OUTPUTS	1X OPTICAL, 1X ANALOG STEREO (L/R)
POWER	LOCKING BARRELL PLUG
EXTENSION/INTERCONNECT	RJ45
ISP	MICRO USB PORT
AUDIO	
INPUT FORMAT	LPCM 2 CH & DOLBY DIGITAL/DTS 2.0+DIGITAL FROM OPTICAL
INPUT SAMPLING RATES	32KHZ ~ 96KHZ
INPUT IMPEDANCE	47K Ω
OUTPUT IMPEDANCE	600 Ω
ENVIRONMENTAL	
ESD PROTECTION	CONTACT DISCHARGE: +4KV-4KV AIR DISCHARGE: +4KV-4KV
POWER	
POWER CONSUMPTION (TOTAL)	6 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ 0.8A OUTPUT: DC 12V 2A
DIMENSIONS	
DIMENSIONS (SINGLE UNIT ONLY HEIGHT/DEPTH/WIDTH)	MM: 22.3 X 58 X 82 INCH: 0.88 X 2.28 X 3.23
DIMENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)	MM: 86 X 133 X 155 INCH: 3.4 X 5.3 X 6.1
WEIGHT (SINGLE UNIT ONLY)	0.19 LBS (0.09 KG)
WEIGHT (PACKAGED)	0.89 LBS (0.4 KG)
*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE	

FULL FEATURE SET

- Point to Point Audio Extension
- Cat5e and above with Standard RJ45
- 2 Channel Audio (No Downmixing)
- 5.1 Channel Audio (Tos only)
- Dual Active audio outputs
- Toslink Input
- RCA Stereo Inputs/Outputs
- Small Durable Chassis
- 10-Year Warranty
- Engineered to deliver uncompressed audio 100 meters
- Ideal for bringing SmartTV audio to a distributed system
- SmartTV audio support from apps like Netflix, Spotify & Disney Plus
- Coaxial or Optical digital audio S/PDIF Signal Support
- Supports stereo and multi-channel digital audio (LPCM 2 CH through Dolby Digital or DTS 5.1 CH)

APPLICATIONS

- Point-to-point digital audio extension (100M)
- Bringing digital audio from SmartTV apps (Netflix, Hulu, Disney+, etc.) to the head end (rack) for further distribution
- Sending digital audio standalone and video separately to address legacy AVR's
- Retrofitting existing infrastructure with audio transmission

