



## 100M UNCOMPRESSED AUDIO EXTENDER AC-AEX-KIT

The AC-AEX-KIT professional audio extender from AVPro Edge allows integrators to deliver high-quality 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

TRANSMITTER

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 STERO (L/R)                      |
| POWER   | LOCKING BARRELL PLUG                                   |
| EXTENSION/INTERCONNECT  | RJ45   |
| PORTS: RECEIVER   |  |
| AUDIO OUTPUTS   | 1X OPTICAL, 1X ANALOG STERO (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   | 47KΩ   |
| OUTPUT IMPEDANCE  | 600Ω   |
| ENVIRONMENTAL   |  |
| ESD PROTECTION  | CONTACT DISCHARGE: +4KV-4KV<br>AIR DISCHARGE: +4KV-4KV |
| POWER   |  |
| POWER CONSUMPTION (TOTAL)   | 6 WATTS MAX  |
| POWER SUPPLY  | INPUT: AC 100-240V ~ 50/60HZ 0.8A<br>OUTPUT: DC 12V 2A |
| DIMENSIONS  |  |
| DIMENSIONS (SINGLE UNIT ONLY HEIGHT/DEPTH/WIDTH)                                    | MM: 22.3 X 58 X 82<br>INCH: 0.88 X 2.28 X 3.23         |
| DIMENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)  | MM: 86 X 133 X 155<br>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

