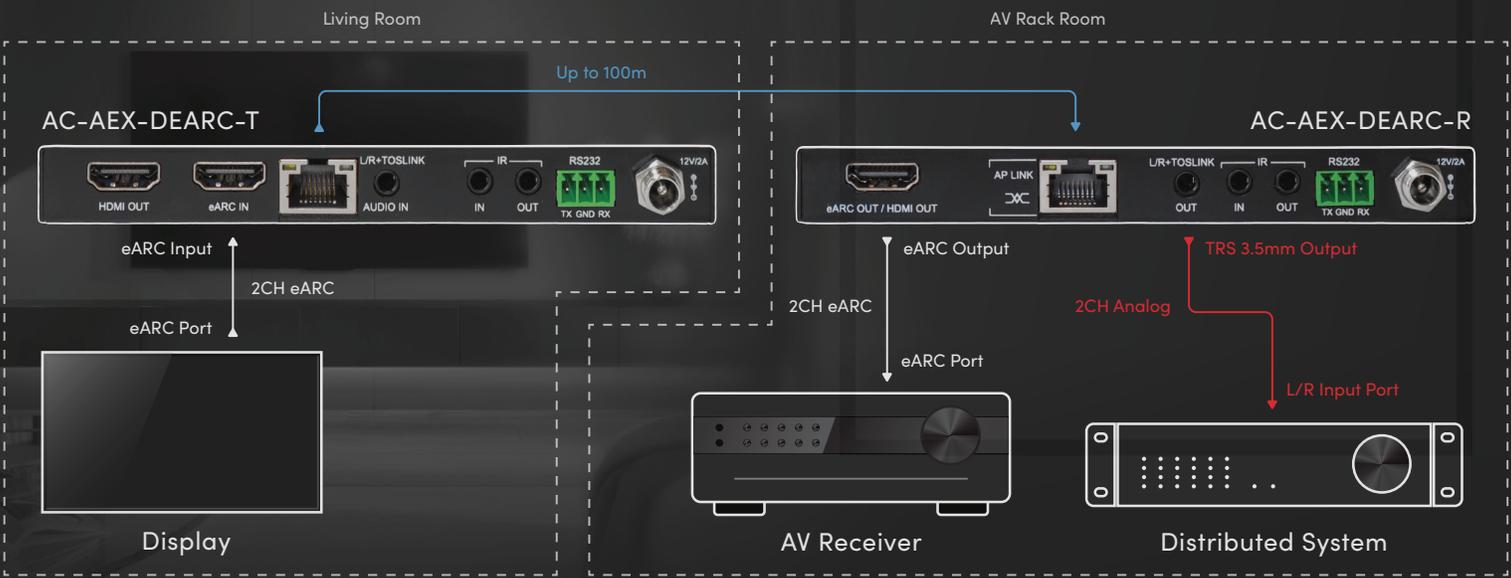




eARC Extender Kit AC-AEX-DEARC-KIT

The AC-AEX-DEARC-KIT is a transmitter-receiver duo, designed for audio codec transfer (audio signal only, video data is not processed) from a television to a centralized system distribution location, using the eARC feature in the HDMI 2.1 specification. With nearly 30 times the audio bandwidth capacity of optical connections, eARC delivers onboard TV App high-bitrate lossless codecs, or ATSC 3.0 NextGen TV Dolby AC-4 tuner audio, to an AVR or Preamp-processor. The kit also may be used to transmit TOSLINK or L/R analog audio through multi-use ports.

Stereo eARC to Stereo Audio Distribution



PRODUCT SPECIFICATIONS

| | |
|--|--|
| Video | |
| Video Transport Not Supported | |
| Audio | |
| Audio Formats Supported (HDMI eARC) | PCM 2.0 Ch, LPCM 5.1 & 7.1, Dolby Digital, Dolby Digital Plus, Dolby True-HD, Dolby Atmos, DTS Digital, DTS Hi-Res, DTS-HD Master Audio, DTS:X |
| Audio Formats Supported (SPDIF/ARC) | PCM 2.0 Ch, Dolby Digital, DTS 5.1 |
| Audio Formats Supported (Analog) | PCM 2.0 (3.4Vpp) |
| Distance | |
| Category Cabling | 100 meters (328ft) Category 6A |
| Ports | |
| HDMI (Audio-only Output) | Type A |
| SPDIF | Mini-TOS |
| Analog | Stereo 3.5 mm |
| AP-Link | RJ45 with PoC (connect the power supply to the preferred device to power both devices simultaneously) |
| IR Send (Tx and Rx) | 3.5mm mono jack |
| IR Receive (Tx and Rx) | 3.5mm stereo jack |
| RS-232 (Tx and Rx) | 3-Pin Terminal Block Connector |
| Power (Tx and Rx) | 2-Pin Terminal Block Connector |
| Environmental | |
| Operating Temperature | 23°F (-5°C) to 125°F (51°C) |
| Storage Temperature | -4°F (-20°C) to 140°F (60°C) |
| Humidity Range | 5% to 90% RH (no condensation) |
| Power | |
| Power Consumption (total) | 24 Watts maximum |
| Power Supply – Matrix | Input: AC 100-240V ~ 50/60Hz Output: DC 12V, 2.0A |
| Dimensions | |
| Height x Width x Depth (Single Unit) | Millimeters: 15 x 140 x 80 Inches: 0.6 x 5.5 x 3.1 |
| Height x Width x Depth (Packaged Kit) | Millimeters: 86.4 x 196.8 x 140 Inches: 3.4 x 7.75 x 5.5 |
| Weight (Single Unit) | 0.5 lbs (0.23 kg) |
| Weight (Packaged Kit – Shippable Weight) | 2 lbs |
| *Specifications are subject to change without notice. Mass and dimensions are approximate. | |

The high protocol overhead for eARC, nearly 37 megabitspersecond, provides a bandwidth rate equal to eight channels of 192 kHz, 24-bit uncompressed PCM audio. 3D immersive audio codecs such as Dolby Atmos and DTS:X are precisely transported by the AC-AEX-DEARC-KIT using Category cable (Cat 6A recommended) for distances as great as 100m/328ft.

Using the HDMI 2.1 eARC return channel feature, AVPro Edge's proprietary High Bitrate-Link I2C analysis provides timing stability during data transfer for as many as 32 uncompressed audio channels, perfect for the most demanding object-oriented, immersive 3D-audio playback systems that Home Theater enthusiasts might configure. HB-LINK maintains bit-for-bit, accurately regulated data clocking during long-distance digital audio codec transmission for uncompromised decoding accuracy and complete fidelity to original signal content.

KEY BENEFITS

- **HB-LINK** – Synchronizes precision audio data transmission timing, including high bitrate codecs, for performance equivalent to adjacently placed equipment.
- **SELECTABLE INPUTS** – Located at the television, the transmitter's selectable inputs may be switched between HDMI ARC or eARC, with an HDMI output available for a soundbar or local gear use. TOSLINK or L/R analog output may be taken from the display and transferred to a remote distribution system location.
- **L/R & TOSLINK** – When switch-selected, dual-purpose analog stereo in/out and mini-TOSLINK connectors provide local use options with sound bars and wireless headphone base units, or at the system endpoint for two-channel audio distribution (audio output type may be required to be selected in the television menu)
- **BI-DIRECTIONAL IR & RS-232** – Local room control options for remote system components
- **PoC CAPABLE** – Discrete Power-over-cable, or via supplied 12VDC adapter
- **ARC & eARC** – While engineering for the kit is focused on eARC enhancements, ARC is also available for suitably equipped legacy AVRs and Pre-processors.

