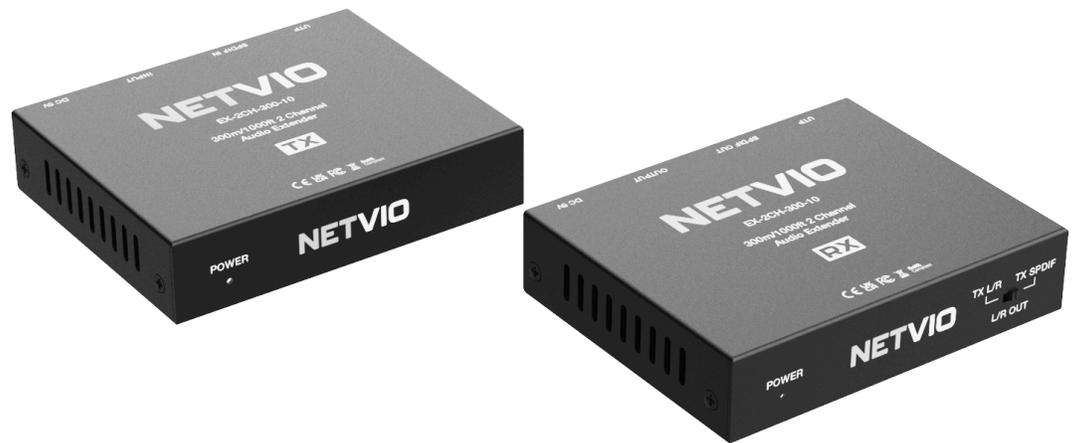


NETVIO

300M (990FT) ANALOG & DIGITAL OPTICAL CONVERTER EXTENDER



EX-2CH-300-10

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US +1-833 720 0637

Safety Information



Do not attempt to remove the product casing, as this may result in electrical shock. Repairs should not be attempted by anyone other than qualified personnel. For any service or repair needs, please contact Netvio Ltd or an authorized reseller to follow the proper service procedures. Any unauthorized repairs or the use of non-approved components will void the product warranty. For complete warranty terms and conditions, please visit: www.netvio.co.uk.

The EX-2CH-300-10 is a high-performance audio extender built for both analog and optical fiber equipment, capable of transmitting stereo audio up to 300 meters over a single category cable. It's especially well-suited for hi-fi applications, thanks to its ultra-low jitter design, ensuring clean, accurate sound over long distances.

With a built-in digital-to-analog converter (DAC), it easily bridges digital optical sources with analog audio systems. Power is required at only one end, simplifying installation, and the plug-and-play setup makes integration fast and effortless. It's a practical, high-fidelity solution for both residential and commercial audio distribution.

CABLE & CONNECTIONS

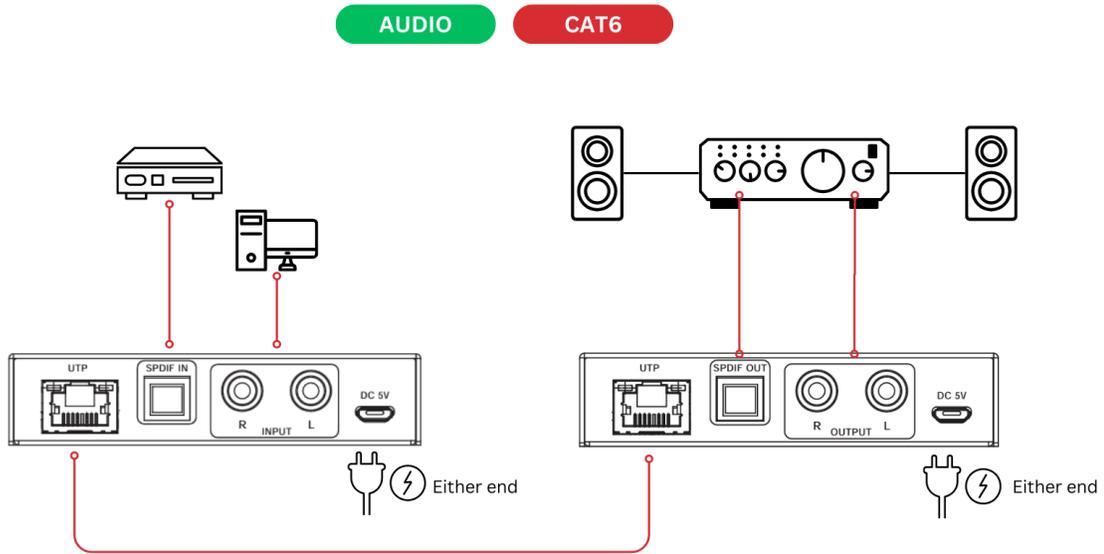
- **Important Notice on Cable Installation and Performance**
- Advertised cable distances are for reference only. Transmission distances can be influenced by various factors, including cable construction, quality, installation standards, patch panels, faceplates, and external elements such as electromagnetic interference (EMI).
- This product is designed to operate over unshielded twisted pair (UTP) Cat5e, Cat6, and Cat7 cables. When using shielded (STP) category cables, ensure that all drain wires and shielding are properly grounded.
- **RJ45 Termination Standards:**
- Follow the EIA/TIA-568-B termination standard. Do not simply wire pin-to-pin (e.g., Pin 1-1, Pin 2-2). The 568-B standard requires splitting the green pair between Pins 3 and 6.
- Maintain the twists in the Cat5e/Cat6/Cat7 cable pairs as close as possible to the point of termination.
- **Cable Installation Guidelines:**
- Avoid sharp bends or twists. Use gradual bends, with a minimum bend radius of 25mm wherever possible.
- Ensure that cables are not pulled too tightly or stretched. Excess tension can damage the cable. The maximum pulling force should not exceed 11kgf.
- Dress the cable with moderate to low pressure, ensuring the cable jacket is not pinched.
- Never splice, join, or bridge the cable, as this can cause significant transmission issues.
- **Electromagnetic Interference (EMI):**
- Keep category cables at least 300mm away from sources of EMI, such as electrical cables, transformers, and light fixtures. If necessary, cross electrical cables at right angles to minimize interference.
- **Testing and Certification:**
- After installation, ensure that the cable is thoroughly tested. A basic continuity check may not be sufficient to identify issues or certify performance.
- Finally, always verify compliance with local building and fire codes before installation.

WARRANTY

- Standard 5-Year warranty. Details available at www.netvio.co.uk/warranty

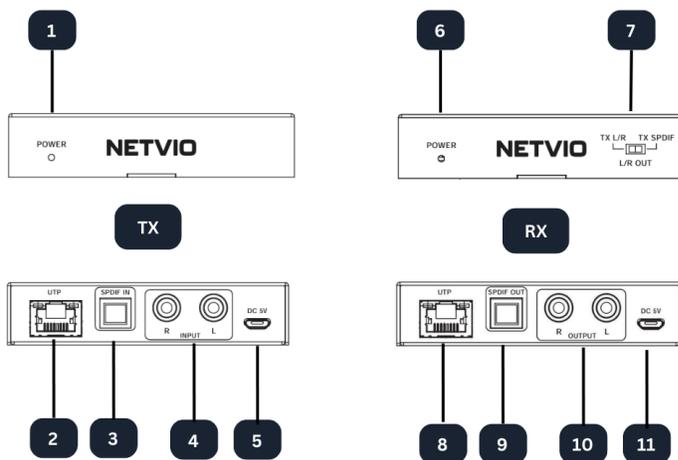
IN-THE-BOX

- Audio TX & Audio RX
- USB-A to Micro USB cable.
- 5V/1A Regionalized Power Supply



EX-2CH-300-10

EX CONNECTIONS



- 1 Power Status
- 2 Input: Cat6 Cable Connection (RJ45)
- 3 Input: SPDIF Optical Fiber (Toslink Cable)
- 4 Input: Analog (RCA Cable)
- 5 USB Power
- 6 Power Status
- 7 DAC Setting - Analog / SPDIF Selector
- 8 Output: Cat6 Cable Connection (RJ45)
- 9 Output: SPDIF Optical Fiber (Toslink Cable)
- 10 Output: Analog (RCA Cable)
- 11 USB Power

EX-2CH-300-10

FEATURES

- Transmits optical and analog audio up to 300m (48kHz), 150m (96kHz), or 100m (192kHz) over a single CAT5e/6 cable.
- Supports LPCM, DTS, Dolby Digital, and Dolby Digital Plus audio formats.
- Handles sample rates up to 192kHz and 24-bit resolution for premium sound quality.
- Outputs either digital PCM 2.0 or analog audio via a selectable switch on the receiver.
- Supports bidirectional Power over Cable, requiring power at only one end for convenient installation.
- Easy to install with no configuration required; compact design fits into tight AV spaces.
- 5-Year Warranty (2-Year Advanced Replacement).

SPECIFICATIONS

- Bitrate over distance:
 - 192kHz - 100m/330ft
 - 96kHz - 150m/495ft
 - 48kHz - 300m/990ft
- Supported Audio Formats:
 - Optical:
 - All audio formats, including LPCM2.0, LPCM5.1, Dolby Digital2/5.1CH
 - Analog:
 - PCM 2.0
- Sample Rates: 32kHz, 44.1kHz, 48kHz, 96kHz, 176.4kHz and 192kHz up to 24-bit resolution

MECHANICAL

- Weights & Dimensions
 - Transmitter | 90mm (W) 72mm (D) 20mm (H) | Weight 168g
- Receiver | 90mm (W) 72mm (D) 20mm (H) | Weight 168g
- Power Supply
 - DC 5V/1A; Support bi-directional POC function (US/EU/UK standard, CE/FCC/UL/C-Tick certified)
- Power Consumption
 - 1.5W (max)
- Operating Temperature
 - 32 - 104°F / 0 - 40°C
- Storage Temperature
 - -4 - 140°F / -20 - 60°C
- Relative Humidity
 - 20 - 90% RH (no condensation)
- Product Certifications
 - CE, UKCA, FCC