

XT-CAT-ARC-KIT

User Manual



Introduction

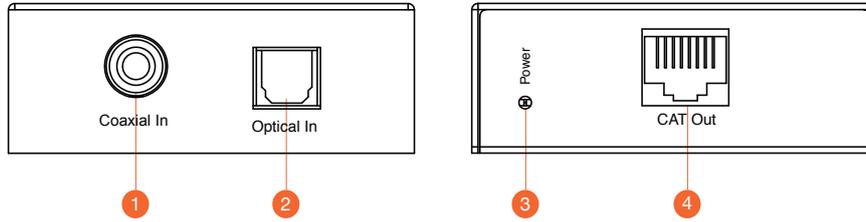
The Xantech XT-CAT-ARC-KIT audio over CAT cable solution transmits digital audio signals up to distance of 300m (192kHz signals up to 100m). This plug and play device will extend both optical and coaxial digital inputs concurrently and features a built in DAC to convert either of the digital inputs to an analog stereo left / right audio output.

Key Features

- Extend optical and coaxial digital audio signals up to distances of 300m over a single CAT cable
- Supports distances of up to 192kHz - 100m, 96kHz - 150m, 48kHz - 300m
- Optical and coaxial digital signal can both be distributed at the same time
- Built in DAC (Digital to Analog Converter) converts either optical or coaxial digital (selectable) to analog stereo left/right audio output (PCM only)
- Active solution powered only at the receiver unit. The Xantech transmitter receives power over the CAT cable.
- Supports LPCM, DTS, Dolby Digital and Dolby Digital Plus when used as a straight digital in/digital out extender
- Supports sample rates 32 kHz, 44.1 kHz, 48 kHz, 96 kHz and 192 kHz up to 24-bit resolution
- Ultra low jitter and high fidelity design
- Plug-and-play
- Small compact size

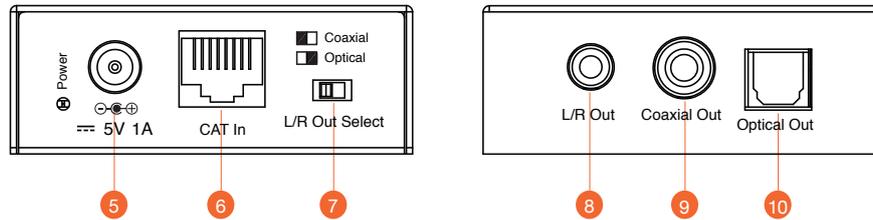
Panel Description

XT-CAT-ARC-TX



- 1 Coaxial digital audio input
- 2 Optical digital audio input
- 3 Power LED indicator displays the power status of the unit
- 4 Cat5e/6 RJ45 output

XT-CAT-ARC-RX



- 5 Power socket – Use Xantech supplied 5V / 1A DC adaptor
- 6 Cat5e/6 RJ45 input
- 7 DAC input selection – Switch between optical and coaxial digital input to be converted to analog L/R audio output
- 8 Analog L/R audio output - 3.5mm stereo audio jack
- 9 Coaxial digital audio output
- 10 Optical digital audio output

Specifications:

XT-CAT-ARC-TX Transmitter

Input Connectors: 1x Optical digital & 1x Coaxial RCA (SPDIF)

Output Connectors: 1x RJ45

Casing Dimensions (W x H x D): 69mm x 65mm x 24mm

Dimensions Including Connections (W x H x D): 69mm x 76mm x 24mm

XT-CAT-ARC-RX Receiver

Input Connectors: 1x RJ45

Output Connectors: 1x Optical digital, 1x Coaxial RCA (SPDIF), 1x Analog left/right 3.5mm stereo audio jack

Power Supply: 5V/1A DC

Casing Dimensions (W x H x D): 69mm x 65mm x 24mm

Dimensions Including Connections (W x H x D): 69mm x 76mm x 24mm

Shipping Weight: 0.7kg

Operating Temperature: 32°F to 104°F (0°C to 40°C)

Storage Temperature: -4°F to 140°F (-20°C to 60°C)

NOTE: Specifications are subject to change without notice.

Package Contents:

- 1x XT-CAT-ARC-TX Transmitter
- 1x XT-CAT-ARC-RX Receiver
- 1x 5V/1A DC power supply
- 2x Mounting kits
- 1x Quick reference guide

Maintenance:

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Do not substitute or use any other power supply other than the enclosed unit, or a Xantech approved replacement.

Do not disassemble the unit for any reason. Doing so will void the manufacturer's warranty.

Certifications

FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION - changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CANADA, INDUSTRY CANADA (IC) NOTICES

This Class B digital apparatus complies with Canadian ICES-003.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CORRECT DISPOSAL OF THIS PRODUCT

This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

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