

# XT-DAC-12

## User Manual



## Introduction

The Xantech XT-DAC-12 is designed to convert either coaxial or optical signals from a digital signal to analog stereo audio. The XT-DAC-12 also includes a digital converter which converts optical audio into a coaxial digital output. This provides the perfect cost effective solution when connecting the digital audio output from a TV display to an analog input on an amplifier. The XT-DAC-12 utilizes 192kHz sample rates for enhanced sound reproduction.

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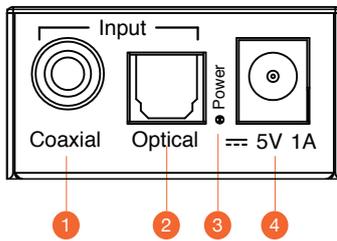
### Key Features

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- Converts SPDIF optical or coaxial digital PCM audio to analog stereo left/right RCA output
- Supports sample rates 32 kHz, 44.1 kHz, 48 kHz, 96 kHz and 192 kHz, up to 24-bit resolution
- Outputs both analog left/right audio and coaxial digital audio concurrently
- Converts optical digital input to coaxial digital output
- Auto-detects digital connection in use
- Optical digital input has priority over coaxial digital input
- Ultra low jitter and high fidelity design
- Plug-and-play
- Small compact size

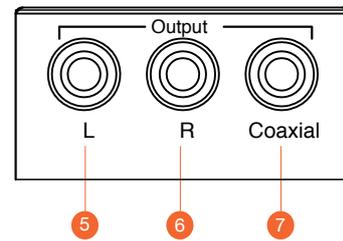
## Panel Description

### Front Panel



- 1 Coaxial RCA digital input (SPDIF) - Connect to the digital output of source device.
- 2 Optical digital input - Connect to the digital output of source device. Optical input has priority over coaxial input.
- 3 Power LED indicator – Displays the status of the power of the unit.
- 4 Power port – Use supplied 5V / 1amp DC adaptor

### Rear Panel



- 5 Left channel analog audio output - Connect to the analog input of amplification/distribution device
- 6 Right channel analog audio output- Connect to the analog input of amplification/distribution device
- 7 Coaxial RCA digital output (SPDIF) - Connect to the digital input of amplification/distribution device

## Specifications:

**Audio Input Connectors:** 1x Optical digital & 1x coaxial RCA (SPDIF)

**Audio Output Connectors:** 2x Analog stereo left/right & 1x coaxial RCA (SPDIF)

**Casing Dimensions (W x H x D):** 59mm x 48mm x 23mm

**Dimensions Including Connections (W x H x D):** 63mm x 59mm x 23mm

**Shipping Weight:** 0.4kg

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

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

## Package Contents:

- 1x XT-DAC-12
- 1x 5V/1A DC power supply
- 1x USB power cable
- 1x Quick reference guide

## Maintenance:

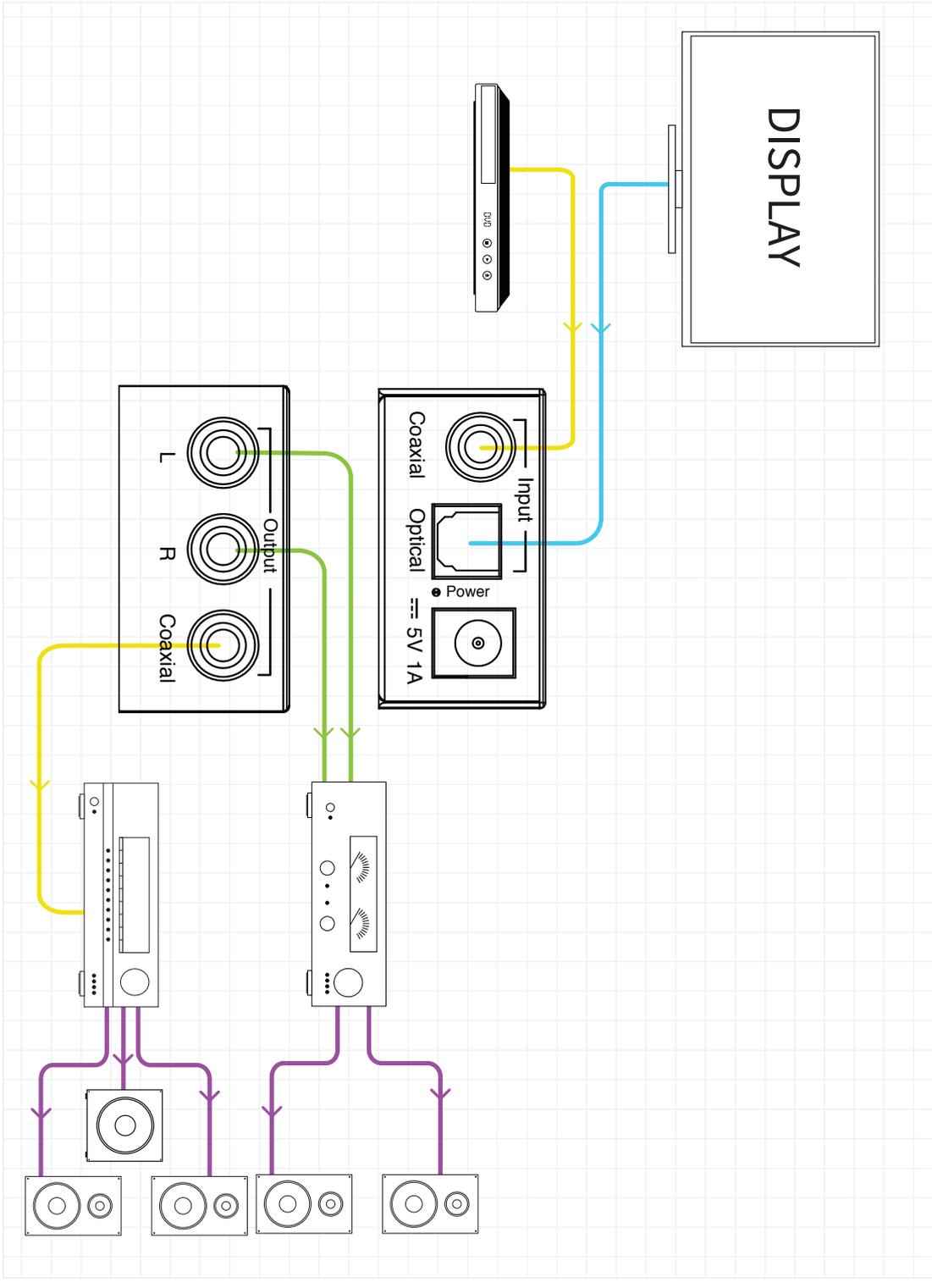
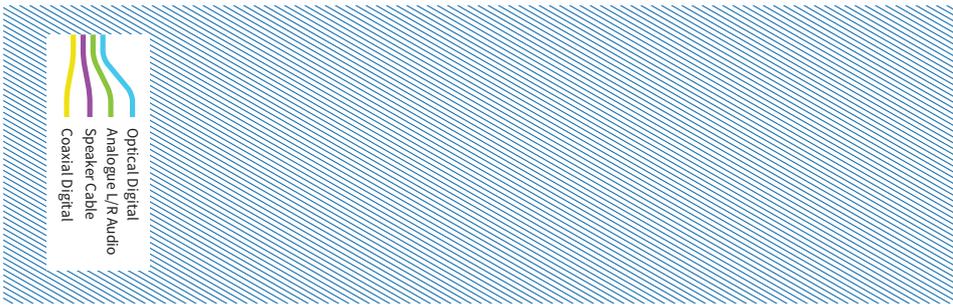
Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

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.



Example Schematic  
XT-DAC-12



## 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.

**main:**  
1 (800) 472-5555 - US  
1 (707) 283-5900 - International  
1 (707) 283-5901 - Fax

**tech support:**  
tech@xantech.com

**web:**  
www.xantech.com