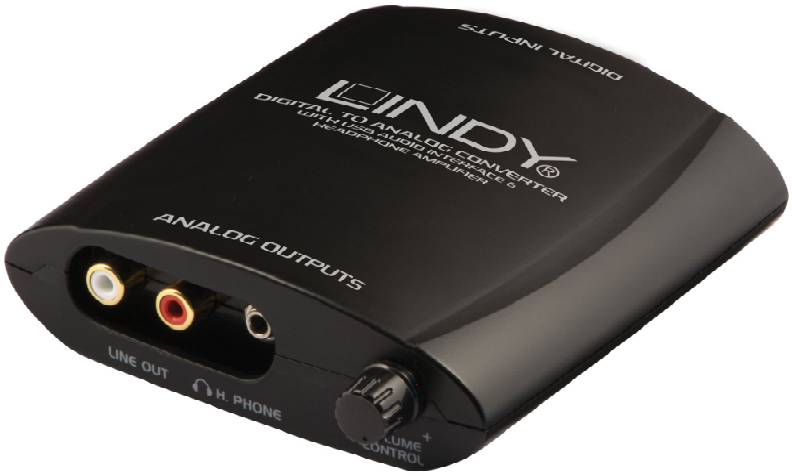
CONNECTION PERFECTION

USB Digital to Analog Converter

User Guide *English*



LINDY No. 20376

www.lindy.com

Introduction

Thank you for purchasing the LINDY USB DAC (Digital-to-Analog Audio Converter) with USB connectivity & head phone amplifier. The DAC converts digital PCM (Pulse Code Modulation) audio to stereo audio signals and acts a USB digital audio interface allowing you to connect your analog audio system to a wide range of digital audio sources.

Features

- Provides audiophile sound quality up to 24bit/192KHz
- Accepts 2 channel digital audio and works with any PCM stream with Dolby Digital or DTS disabled
- Optical, Coaxial and USB Digital Audio interfaces
- Input selector switch and headphone volume control
- USB 2.0 interface compatible with Windows XP/Vista/7 and Mac OS X (no special drivers required)
- Can be powered via the USB bus or an additional USB power supply (not included)

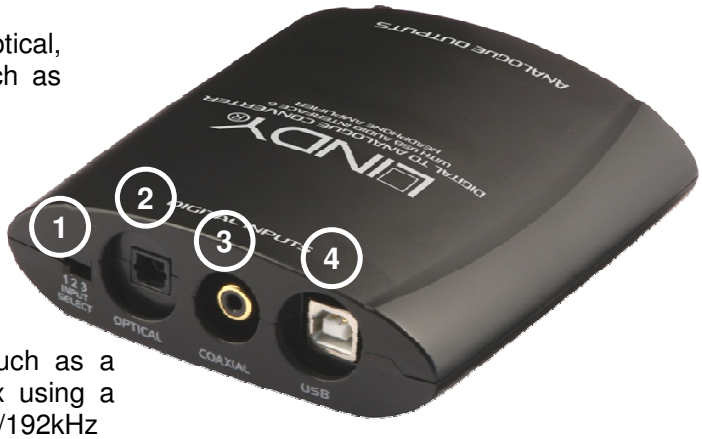
Package Contents

- LINDY USB Digital to Analog Audio Converter
- USB Type A/B Cable, 1m
- This manual

Specification

- Input ports: 1 x USB Type B, 1 x TOSLink (Optical Fibre), 1 x Coaxial
- Output ports: 2 x Phono Left & Right, 3.5mm Headphone Socket
- Integrated Digital to Analog Converter (DAC)
- USB Audio Interface
- Supports 2 channel LPCM
- 24-bit incoming bitstream on left and right channels
- Sampling Frequency (or Supported Sample Rates)
    - Toslink/Coaxial SPDIF 44.1 - 192KHz
    - USB 44.1 – 96KHz
- Headphone Sound Output Power:
    - 60mW @ RL=16Ohm THD <0.1%
    - 30mW @ RL=32Ohm THD <0.1%
- Volume Control dial

Overview



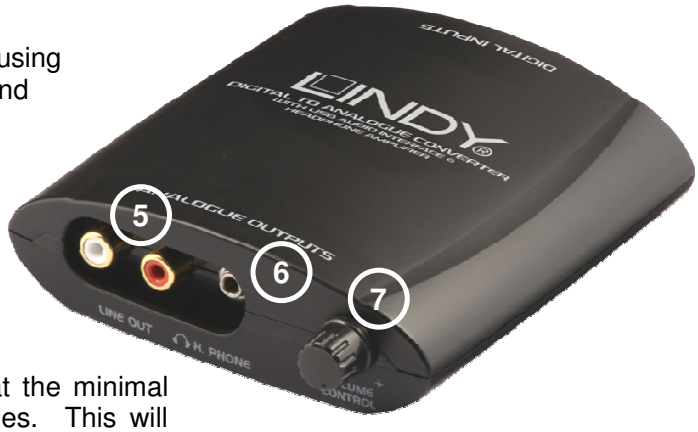
1. **Digital Input Switch**
   Select one of the three digital inputs, Optical, Coaxial or USB by setting the slide switch as follows:

Position	Input Mode	LED Colour
1	Optical	Red
2	Coaxial	Orange
3	USB	Green

2. **Optical Input**
   Connect a digital audio source device such as a Bluray player, DVD player or set top box using a Toslink cable to receive audio at up to 24bit/192kHz

3. **Coaxial Input**
   Connect a digital audio source device such as a Bluray player, DVD player or set top box using a Coaxial cable to receive audio at up to 24bit/192kHz

4. **USB Port**
   Connect a desktop or laptop computer and use the DAC as an external sound card, playing high definition audio directly from your computer via USB. Requires no additional drivers or software. The USB port can also be used to connect a DC 5V power supply (not included)



5. **Line Out**
   Connect an amplifier or active speakers using standard stereo phono cables to output sound

6. **Headphone Socket**
   Connect your headphones

7. **Volume Control Dial**
   Adjust the volume output of the DAC

Warning: Always start with the volume dial at the minimal setting before connecting headphones. This will help ensure you don't get unexpected high volume levels that could damage your hearing

Installation

1. Power down the equipment that the DAC will be attached to
2. Connect the relevant input/output cables as described above
3. Set the Input switch to the desired selection
4. If the DAC is not connected to a computer connect it to a USB power supply (not included) that is capable of providing 5V 500 – 1000mA
5. Start audio playback on the source device

Please Note: The USB DAC is not compatible with Dolby Digital or DTS formats, which are both forms of compressed audio. If you play back CDs, DVDs or BDs encoded in Dolby Digital or DTS, you will only hear some unwanted noise that may damage your speakers.
To work around this you need to access the menu setting of the source device and adjust Dolby Digital or DTS to PCM. This USB DAC works with any PCM stream from CD players, DVD players and set-top boxes.

Certification

CE Certification

This equipment complies with the requirements relating to Electromagnetic Compatibility Standards EN55022/EN55024 and the further Standards cited therein.

FCC Certification

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.
You are cautioned that changes or modification not expressly approved by the party responsible for compliance could void your authority to operate the equipment.
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

United Kingdom

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer permitted to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process.
Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency.

Germany

Die Europäische Union hat mit der WEEE Direktive umfassende Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden von der Bundesregierung im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt. Dieses Gesetz verbietet vom 24.März 2006 an das Entsorgen von entsprechenden, auch alten, Elektro- und Elektronikgeräten über die Hausmülltonne! Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

France

En 2006, l'union Européenne a introduit la nouvelle réglementation (DEEE) pour le recyclage de tout équipement électrique et électronique.
Chaque Etat membre de l' Union Européenne a mis en application la nouvelle réglementation DEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

Italy

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate. Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico.
Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.

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