

USB/Optical to Analog Audio Converter - ID# 887



Operation Manual

Introduction

The USB Audio Converter with Optical is a powerful device for your audio outputting needs. It is designed to be compatible with most modern devices thanks to its use of USB and Optical ports and is intelligently designed to receive power over a USB connection; this optical output can also be linked with an amplifier or sound system that has SPDIF inputs. The R/L jacks can be linked to a display or to speakers to simultaneously output stereo audio. The USB Audio Converter with Optical is your best choice when you want to enjoy high quality sound.

Features

- USB 2.0 compatible
- USB audio device class specification v1.0 Compatible
- USB High performance 16-bit Stereo, 48/44.1 kHz sampling rate for audio playback
- Optical sampling rate supports up to 192 kHz, 24bit
- Low power consumption

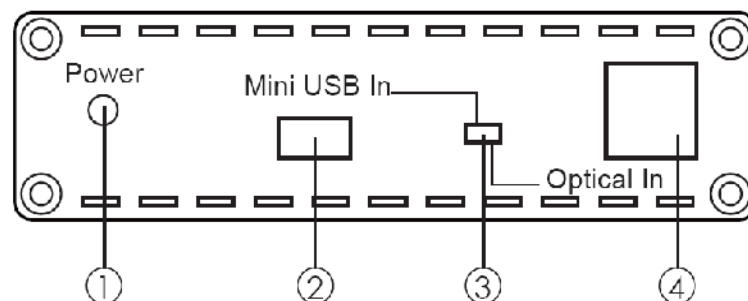
Applications

- High performance audio output
- Digital to analog audio conversion
- USB to audio conversion

System Requirements

PC or laptop with USB cables and/or another source input such as a DVD player with an optical cable. Output to an amplifier or active speaker with optical and RCA cables.

Operation Controls and Functions Front Panel



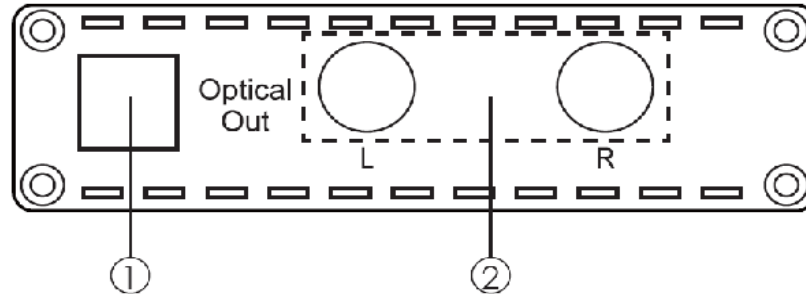
1 Power LED: This red LED will turn on when the device is connected with the power supply.

2 Mini USB In: This slot is where you connect the input audio source or the power supply with a USB cable from a PC or notebook.

3 USB & OPTICAL Switch: This switch allows the user to choose the input audio source from either the USB port or from the Toslink socket.

4 OPTICAL IN: This slot is where you connect the input audio source from a DVD player, PS3 etc, with an optical cable.

Rear Panel



1 OPTICAL OUT: This slot is where you connect the amplifier or speaker with optical cable for audio output.

2 L/R OUT: These slots are where you connect the speaker with RCA cables for audio output.

Specifications

Input Port	Optical and Mini USB
USB Sampling Frequency	48/44.1KHz / 16 bits
Optical Sample Frequency	Up to 192 kHz / 24 bits
Output Port Optical	(48kHz) and R/L
ESD Protection	Human body model: $\pm 8\text{kV}$ (air-gap discharge) $\pm 6\text{kV}$ (contact discharge)
Dimensions(mm)	90 (W) x 120 (D) x 25(H)
Weight(g)	250
Chassis Material	Plastic
Silkscreen Color	Black
Operating Temperature	$0^{\circ}\text{C}\sim 40^{\circ}\text{C}$ / $32^{\circ}\text{F}\sim 104^{\circ}\text{F}$
Storage Temperature	$-20^{\circ}\text{C}\sim 60^{\circ}\text{C}$ / $-4^{\circ}\text{F}\sim 140^{\circ}\text{F}$
Power Consumption	1W
Relative Humidity	20 ~ 90% RH (non-condensing)

Input Audio Reference Level

Input Reference Level/Freq	Output	Level	T.H. D+N	Freq Response	SNR	Crosstalk
OPTICAL 0dBFS 1KHz	L / R	2.1 ± 0.05 Vrms	0.01%	0 ± 1 dB/A	>80dB	<-80dB
	OPT 48KHZ	0dBFS	0.01%	0 ± 0.5 dBFS	>90dB	<-90dB

Connection

