

Specifications

Environment	Digital Audio
Standard Supported	LPCM, Dolby Digital® 5.1, DTS, and Dolby® True HD
Input / Output signal	S/PDIF coax cable or TOSLINK optic cable
Data transmission rate	Up to 6 Mbit/s
Connectors	RCA, TOSLINK, POWER, RJ45 on each unit
Power requirement	1W max, 5V DC
S/PDIF spec	Coax 75 ohm with RCA connector, level: 500mVp-p into 75 ohm
TOSLINK spec	Plastic optic cable with EIAJ/JEITA RC-5720C connector, Wavelength: red 660nm, level: -15dBm max
Cabling Requirement (not supplied)	Coax and the second optic cable
Included in this kit	1 x Converter unit, 1 x 5V Power supply, 1 x Optic Cable 3ft (1m) and 1 x Installation guide
Compatible mounting hardware	500902, 500900, 500910, 500915
Temperature	Operating: -40° to 85°C (-40° to 185°F) Storage: -40° to 85°C (-40° to 185°F)
Humidity	Maximum 95% (non-condensing)
Enclosure	ABS UL94HB fire retardant plastic
Dimensions	2.25" x 2.25" x 1.0" (6 x 6 x 2.5 cm)
Shipping Weight	Less than 1 lb. (450g)
Warranty	2 Years
Order Information	500087 Digital Audio Converter



DIGITAL AUDIO CONVERTER 500087 Quick Installation Guide

Overview

The Digital Audio Converter allows one (1) source of digital audio signal: coax (S/PDIF) or optic (TOSLINK) to be converted to an optic or a coax signal respectively. It supports most standards used to transmit two channels of uncompressed lossless PCM audio or compressed 5.1/7.1 surround sound such as Dolby Digital Plus or DTS-HD High Resolution Audio (multichannel digital audio Dolby Digital® 5.1, DTS, and Dolby® True HD).

Applications

Conversion and Transmission of Digital Audio Signal



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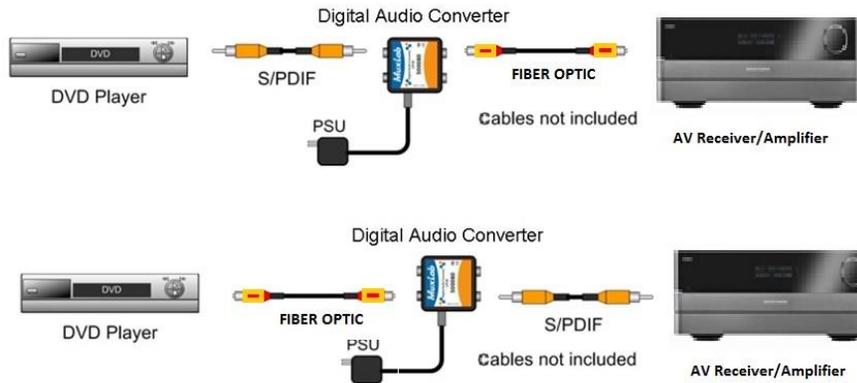
Installation

One unit can be connected to convert coax source to optic fiber source. You can use it also to convert an optical fiber source to a coax source. Both directions can be used at same time. To install the unit, perform the following steps:

Caution: Do not attempt to open the housing. There are no user-serviceable parts inside the unit. Opening the unit will void your warranty.

Do not connect the unit to a telecommunication outlet wired to unrelated equipment. Making such a connection may damage the equipment and/or the unit. Verify that the desired twisted pairs are not being used for other LAN or telephone equipment.

1. Connect a coax and an optic fiber between your source and your AV system. Be sure you are using the right input and output connector.
2. Connect the 5V power supply.



Troubleshooting

The following tables describe some of the symptoms, probable causes and possible solutions regarding the unit:

Symptom	Probable Cause	Possible Solutions
No audio or intermittent audio	No signal from source	Source off. Power missing. Check led. Check or replace both cables. Be sure you did not mixed input with output. Malfunctioning unit.

If you still can't diagnose the problem, please call MuxLab Customer Technical Support at 877-689-5228 (toll-free in North America) or (+1) 514-905-0588 (International).