

APA-TOS1

TOSLINK Fiber-Optic Audio Output Add-on Module for AmpPRO

Introduction & Features

The APA-TOS1 is a fiber-optic audio output module for use with PAC AmpPRO interfaces. The APA-TOS1 easily connects to a 12-pin, 2-row connector inside the AP4 or AP5 housing, on the main circuit board.

Installation is a quick process, after which, the AmpPRO will provide a digital fiber-optic variable audio signal output.

Connect a standard TOSLINK cable between the AmpPRO, and your high-end DSP (Digital Signal Processor) or Amplifier equipped with TOSLINK input. This eliminates the need to connect RCA interconnect cables between those components.

Important Notes

1. This module provides a digital audio signal designed to be used with a standard TOSLINK fiber-optic cable. (Not included)
2. The audio component to be used with this APA-TOS1 module, must be equipped with a TOSLINK fiber-optic audio input. (S/PDIF 2 channel uncompressed PCM audio)



Installation

Note the location of the LED lightpipes, in reference to the RCA connectors. This will be important, during reassembly.

1) Carefully open the AmpPRO housing. This can be easily done by holding the module upside down. Grab both ends of the top housing cover, with your fingertips. Pull the outer edges downward and outward, while providing pressure with your thumbs on the top cover.

This will release the locking tabs on the ends of the housing, allowing you to remove the top cover.

2) Once the top cover is removed, you will have access to the end plates.

Simply pull upward on the end plate featuring the RCA connectors.

This will allow the main circuit board to be removed from the plastic housing.

Once the circuit board is removed, the APA-TOS1 can be attached to the board.

3) NOTE! The APA-TOS1 module is shipped with a small piece of foam covering the pins, to protect them before installation.

THIS FOAM MUST BE REMOVED BEFORE INSTALLING THE APA-TOS1 into the AmpPRO.

4) Locate the 12-pin, 2-row header (black plastic connector) at the end of the main circuit board. Carefully press the APA-TOS1's pins down into this header, so the TOSLINK output is exiting the housing next to the RCA connectors.

The TOSLINK output should align with the RCA connectors, however it will be slightly recessed, in comparison.

5) Once removed, the APA-TOS1 will fit flush with the end plate, when the AmpPRO is reassembled.

There is a small square knock-out door near the far left end of the plastic end cap. This knock-out covers the hole before the APA-TOS1 is installed. Carefully score the edges of this knock-out, and snap it out, using a small blade screwdriver. Test fit the APA-TOS1, and clean any rough edges to ensure the APA-TOS1 fits correctly, prior to final reassembly.

Fit both plastic end plates back onto the main circuit board. Then carefully seat the board, and end plates back in the plastic housing bottom. Ensuring that the small fins on the end plates align with the channels in the bottom cover.

6) Reinstall the top housing cover. A "click" will be heard when the top latches with the bottom.

Installation is now complete, and your AmpPRO module's TOSLINK output is ready for use.

Module shown upside-down

