Extron

DAC 102 • Setup Guide

The Extron DAC 102 is a two input, one output digital to analog audio decoder. It accepts 2-channel LPCM audio signals from either a TOSLINK or S/PDIF coaxial source and converts the signal to balanced, unbalanced or both 2-channel audio. An integrated remote volume control port allows for output level adjustment and mute control when used with volume controllers, such as the VCM series of audio control products.

This guide provides instructions for an experienced installer to set up and operate this audio decoder. For full installation, configuration, and operation details, see the DAC 102 User Guide, available at **www.extron.com**.

Installation Steps

Step 1 — Mounting

Mount the audio decoder as required. The DAC 102 can be securely mounted on furniture using the included Extron ZipClip 25.
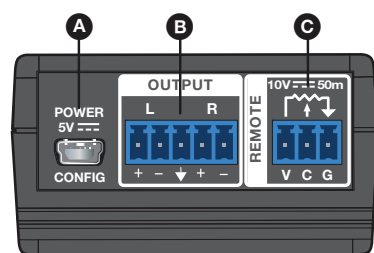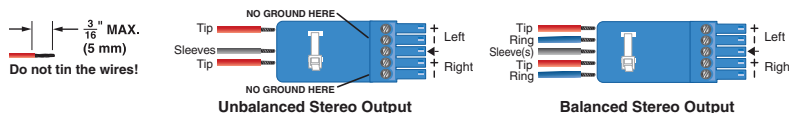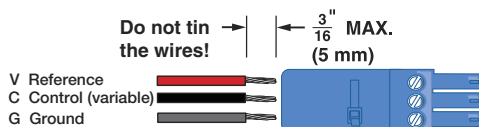
Step 2 — Rear Panel Connections

A Power/Config USB Mini-B Connection

B Audio Output

C Remote Volume Control

Figure 1. DAC 102 Rear Panel

A **Power/Config USB Mini-B Connection** — Connect the DAC 102 to a 5V USB power source (such as a USB port found on most display devices) using the included USB A to mini-B cable. The USB connection may also be used with a PC for configuration and firmware updates when needed. The front panel power status LED indicator (see figure 2, **A**) will illuminate solid green when powered on.

B **Audio Output** — Connect an audio device (such as an amplifier or audio processor) via this 5-pole, 3.5 mm blue captive screw connector. The output supports 2-channel analog line level audio on both balanced and unbalanced connections.

C **Remote Volume Control** — Connect a volume controller via this 3-pole, 3.5 mm blue captive screw connector. The REMOTE port allows analog volume and mute control when used in conjunction with optional volume controllers like the Extron MLA VC10 Plus

(For full details, refer to the MLA VC10 Plus User Guide found on **www.extron.com**)

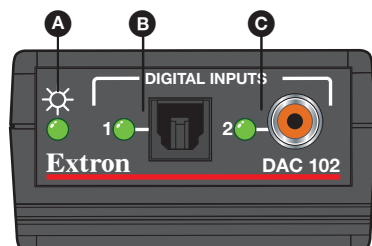

Step 3 — Front Panel Connections

A Power Status LED

B TOSLINK Fiber Optic Input and Status LED

C Digital RCA Input and Status LED

Figure 2. DAC 102 Front Panel

Front Panel Connections

(A) **Power Status LED** — Lights when the unit is powered and is receiving an active digital input.

(B) **Power Status LED TOSLINK Fiber Optic Input and Status LED** — Connect a digital audio source using a TOSLINK fiber optic cable to convert S/PDIF digital audio to analog audio. The TOSLINK input status LED lights up when the DAC 102 detects an active source signal.

(C) **Digital RCA Input and Status LED** — Connect a digital audio source using a coaxial RCA cable to convert S/PDIF digital audio to analog audio. The digital RCA input status LED lights up when the unit detects an active source signal.

Inputs are automatically switched based on priority. The two front panel input status LEDs represent the status of each input.

State:	Active Input	Input 1 LED (TOSLINK/Optical)	Input 2 LED (RCA)
Input 1: No Signal Input 2: No Signal	—	OFF	OFF
Input 1: Compatible Source Input 2: No Signal	1	Solid	OFF
Input 1: No Signal Input 2: Compatible Source	2	OFF	Solid
Input 1: Compatible Source Input 2: Compatible Source	1	Solid	Slow Blink
Input 1: Compatible Source Input 2: Incompatible Source	1	Solid	Fast Blink
Input 1: Incompatible Source Input 2: Compatible Source	2	Fast Blink	Solid
Input 1: Incompatible Source Input 2: No Signal	—	Fast Blink	OFF
Input 1: No Signal Input 2: Incompatible Source	—	OFF	Fast Blink
Input 1: Incompatible Source Input 2: Incompatible Source	—	Fast Blink	Fast Blink

Configuration

In order to setup and configure the DAC 102, download and install the latest version of the following software, available on the **Extron website**:

• **Product Configuration Software (PCS)** — Configure the settings for the decoder and update the firmware.

For information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the **Extron Safety and Regulatory Compliance Guide** on the Extron website.