

3G-AE 100 • Setup Guide

IMPORTANT:
Go to www.extron.com for the complete user guide, installation instructions, and specifications before connecting the product to the power source.

The Extron 3G-AE 100 extracts embedded digital audio from a 3G-SDI, HD-SDI, or SDI signal and converts it to analog stereo audio at the output ports. This guide provides basic instructions for an experienced installer to set up and operate the 3G-AE 100.

WARNING: Installation and service must be performed by authorized personnel only.

Installation

ATTENTION: Turn the input and output devices off and unplug their power cords. Verify that the 3G-AE 100 is disconnected from the power source before proceeding.

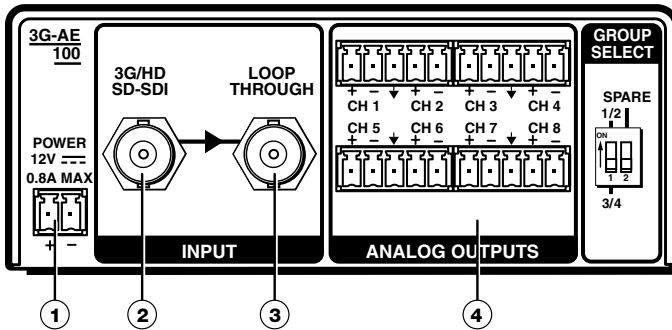
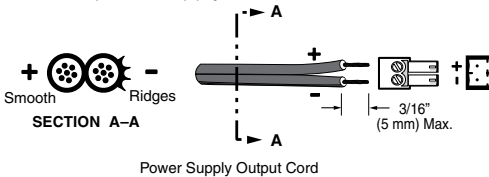


Figure 1. 3G-AE 100 Rear Panel

- ① Wire the power supply as shown below and connect it to the power connector.

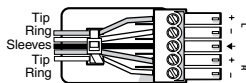


- ② Connect an input device to the 3G-SDI input connector.
- ③ If necessary, connect an output device to the Loop Through connector. This connector may also be used for cascading to another 3G-AE 100.

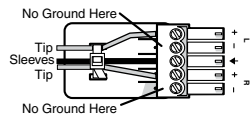
NOTE: It is not required to connect a device to the Loop Through connector in order to extract audio from the input device.

- ④ Connect up to four audio output devices to the Analog Outputs, using a cable with a balanced or unbalanced 3.5 mm, 5-pole captive screw connector. Wire as shown below.

Do not tin the wires!



Balanced Audio Output



Unbalanced Audio Output

Front Panel Features

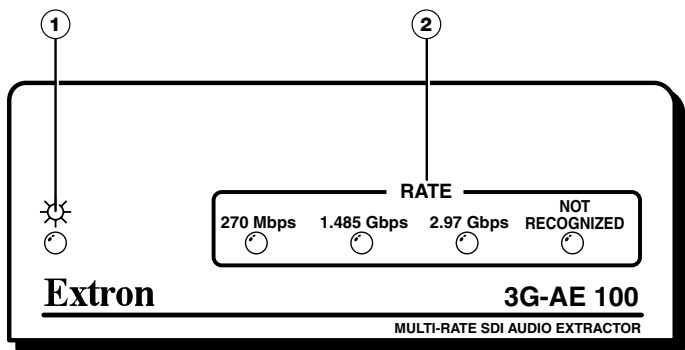


Figure 2. 3G-AE 100 Front Panel

- ① **Power LED** — Lights when receiving power.
- ② **Rate LEDs** — Indicate the data rate of the incoming signal.

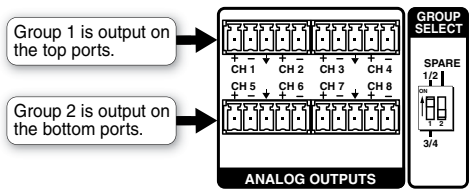
Operation

Audio Group Selection

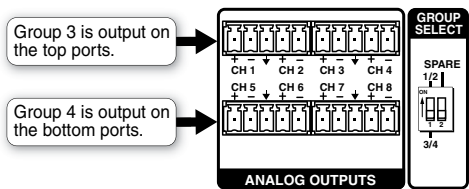
The 3G-AE 100 supports up to sixteen channels of embedded digital audio. SDI audio is divided into four groups; each group has four channels. When an audio group is enabled, its channels are extracted and routed to the 3G-AE 100 analog output ports.

The Group Select DIP switch can enable two groups (eight channels) at the same time:

- To enable groups 1 and 2, set the switch to 1/2.



- To enable groups 3 and 4, set the switch to 3/4.



NOTE: All sixteen channels can be extracted at the same time by cascading two 3G-AE 100 devices via the Loop Through input (see ③ on the previous page).

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