



RDL®
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

TX™ SERIES

Model TX-8A

4 Ohm / 8 Ohm Input Interface

- Converts an Amplifier Output to Line Level
- Bridges 4 or 8 Ohm Speaker Line
- Adjustable for Wide Range of Input Power Voltage
- Converts Amplified Levels from 0.5 W to 400 W
- Excellent Low Frequency Response
- Suitable to Feed a Subwoofer Amplifier Input
- Detachable Terminal Block Connections
- Balanced or Unbalanced Output
- Superior Quality Audio Transformer
- Bifilar Windings
- Galvanic Isolation
- Convenience of RDL TXs



The TX-8A is part of the group of versatile TX series products from Radio Design Labs. TX modules feature the superior engineering and components common to RDL products. The durable adhesives provided with the TX-8A permit permanent or removable mounting. The TX-8A may be rack or surface mounted with optional TX series accessories.

APPLICATION: The TX-8A is the ideal choice in many applications requiring superior quality transformer coupling between the output of a 4 or 8 Ohm power amplifier and the input of an audio mixer or amplifier. A front-panel LEVEL control allows the output to be adjusted for -10 dBV or +4 dBu over a wide range of amplified power levels.

The TX-8A is a single-channel (mono) module featuring barrier block connections for the input and output. A high quality bifilar wound audio transformer couples the audio input to the audio output. The amplified input terminals are isolated from ground. The output ground terminal is connected to the TX-8A metal support structure.

The audio transformer provides galvanic isolation. The secondary may be wired balanced or unbalanced. The TX-8A delivers the wideband audio, low distortion, audio clarity and headroom common to professional equipment in a module suited to general-purpose audio installations.

The excellent low frequency response makes the TX-8A well suited to feed the line-level input of a subwoofer amplifier. In a stereo installation, two TX-8A module output may be mixed to feed a mono audio line and/or a subwoofer amplifier line input.

The TX-8A's compact size permits mounting in a variety of spaces and in various locations in equipment racks. The TX-8A may be mounted where needed, to rack sides or in an equipment rack (either the front or rear rack rails) using a variety of available RDL mounting options. Use the TX-8A individually, or combine it with other RDL products as part of a complete audio/video system.

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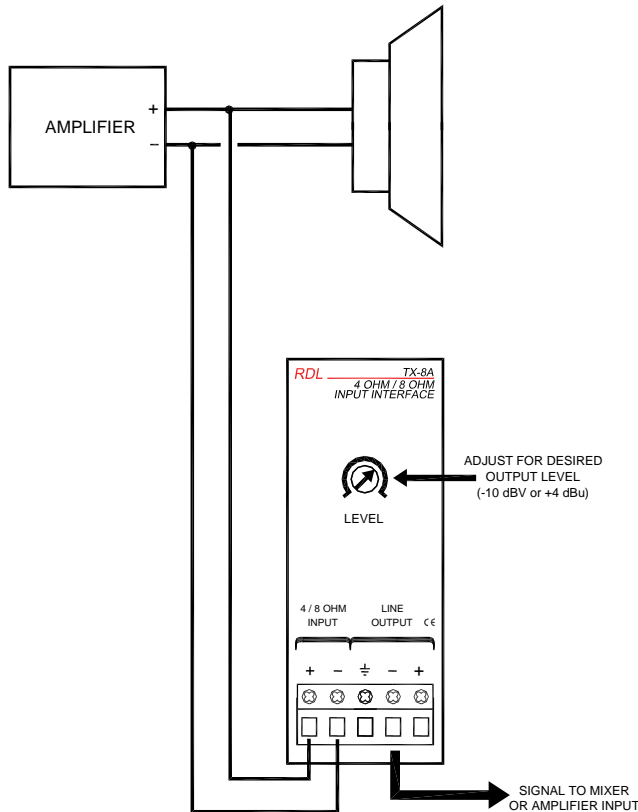
Installation/Operation



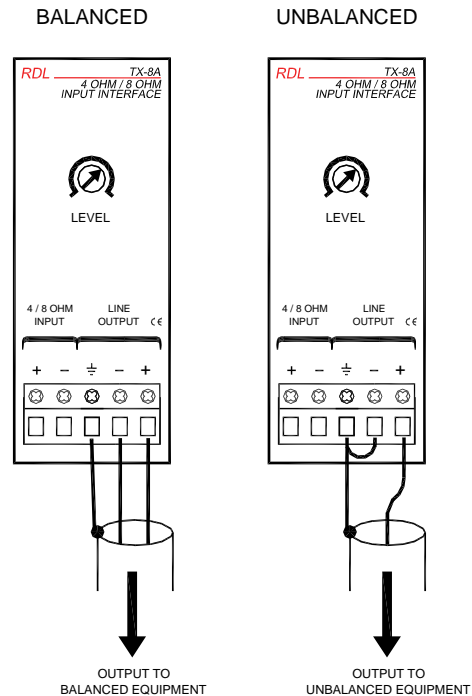
EN55103-1 E1-E5; EN55103-2 E1-E4

Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.

INPUT WIRING



OUTPUT WIRING



TYPICAL PERFORMANCE

Input Connector:	Barrier block
Minimum Input Level* (for +4 dBu Output):	8 W (8 Ohms); 16 W (4 Ohms)
Minimum Input Level* (for -10 dBV Output):	0.5 W (8 Ohms); 1 W (4 Ohms)
Maximum Input Level*:	400 W
Attenuation Range:	16 dB to 34 dB (input to output)
Output Connector:	Barrier block
Output Level:	-10 dBV unbalanced or +4 dBu balanced, adjustable (10k Ohm load)
Galvanic Isolation:	Bifilar wound audio transformer
Frequency Response:	20 Hz to 20 kHz (+/- 0.75 dB)
THD:	<0.1% (1 kHz); <1% (20 Hz to 20 kHz)
Power Requirement:	Passive
Dimensions:	Height: 3.0 in. 7.6 cm
	Width: 1.2 in. 3.0 cm
	Depth (case): 1.5 in. 3.8 cm
	Depth (with connector): 1.8 in. 4.6 cm

*Input level is the voltage that corresponds to a 4 Ohm or 8 Ohm amplifier output

Radio Design Labs Technical Support Centers

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