



**RDL**<sup>®</sup>  
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

## max TX™ SERIES Model TX-AFC1M Audio Format Converter

- Studio Quality Audio Transformer
- Bifilar Winding, Nickel Alloy Core
- Connectorized Audio Format Conversion
- Galvanic Isolation
- Gold Contacts on Input and Output
- Unbalanced to Balanced Conversion
- Unity Gain
- Convenience of RDL TXs



The TX-AFC1M is part of the group of versatile Max-TX series products from Radio Design Labs. Max-TX modules are the large format members of the RDL TX family, featuring the superior engineering and components common to RDL products. The durable adhesives provided with the TX-AFC1M permit permanent or removable mounting. The TX-AFC1M may be rack or surface mounted with optional TX series accessories.

**APPLICATION:** The TX-AFC1M is the ideal choice in certain applications requiring studio quality transformer coupling between an unbalanced audio source and balanced equipment. This module is passive and does not add gain to the converted signal. Numerous active RDL modules are available to produce unbalanced to balanced conversion while changing the level from -10 dBV and +4 dBu.

The TX-AFC1M is a single channel (mono) module featuring a phono jack input and male XLR output. A studio quality audio transformer converts the audio input to balanced. The XLR shield (Pin 1) is connected to the input phono jack ground.

A studio quality audio transformer provides format conversion and galvanic isolation. The TX-AFC1M delivers the wideband audio, ultra-low distortion, audio clarity and headroom common to studio equipment in a module suited to both studio and general-purpose audio installations.

The TX-AFC1M's compact size permits mounting in a variety of spaces and in various locations in equipment racks. The location of the input/output jacks permits high density mounting against flat surfaces while maintaining accessibility to the connectors. The TX-AFC1M 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-AFC1M individually, or combine it with other RDL products as part of a complete audio/video system.



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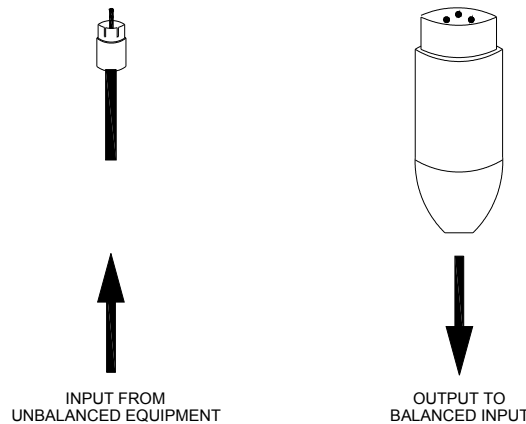
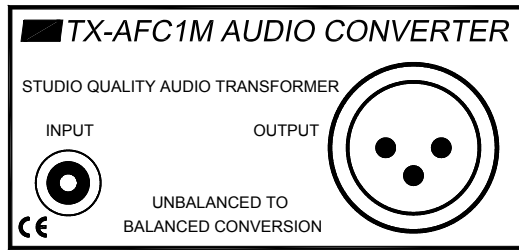
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**Model TX-AFC1M**  
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**Installation/Operation**



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.



**TYPICAL PERFORMANCE**

Input:	Phono Jack, 10 kΩ (Output 10 kΩ terminated)
Input Level:	-10 dBV nominal; +22 dBu maximum
Output:	XLR, Balanced
Frequency Response:	20 Hz to 20 kHz (+/- 0.1 dB)
THD:	<0.06% (50 Hz to 20 kHz, -10 dBV input)
	0.0015% (Typ. 1 kHz, -10 dBV input)
	0.125% (Typ. 20 Hz, -10 dBV input)
Insertion Loss:	0.25 dB (20 Ω source; 10 kΩ bridging load)
Power Requirement:	Passive
Overall Dimensions:	
	Height: 1.55 in. 3.94 cm
	Width: 1.63 in. 4.14 cm
	Length: 3.00 in. 7.62 cm

EMC:



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