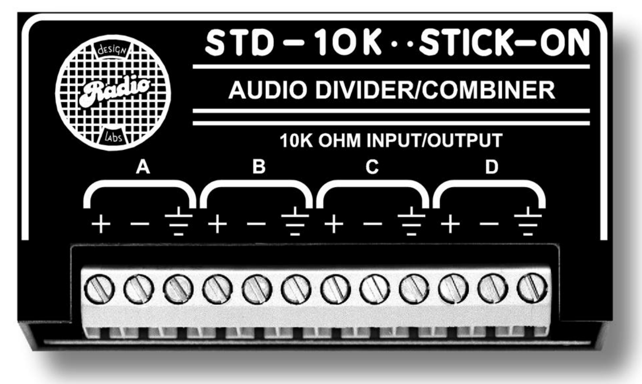
RDL® Radio Design Labs®

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON® SERIES
Model STD Series
Divider/Combiner Networks



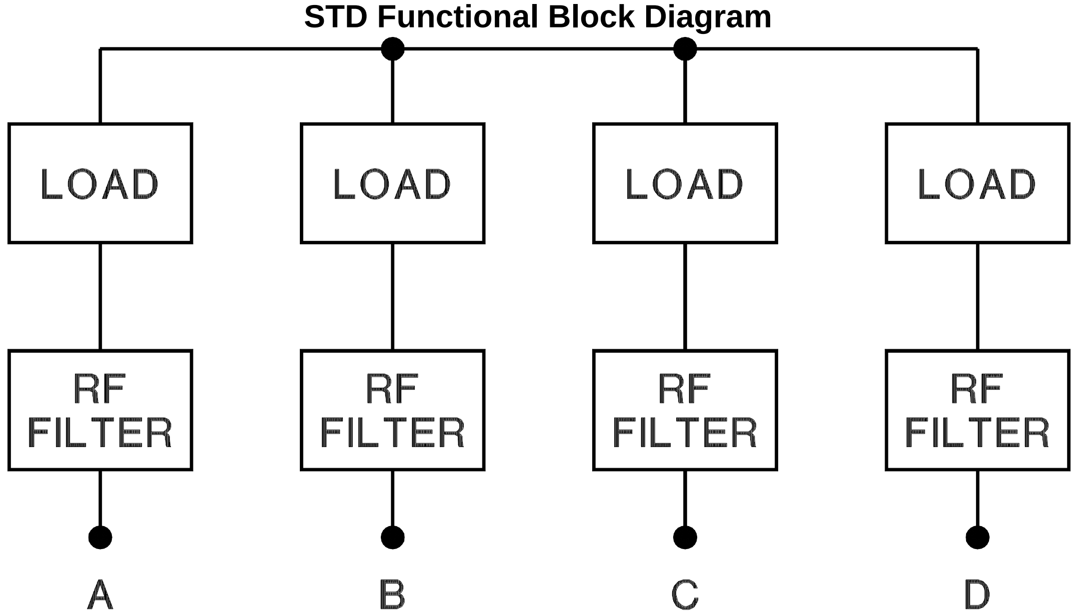
ANYWHERE YOU NEED...

- To Combine Audio Signals to a Single Output
- To Filter RF from an Audio Line
- To Combine Stereo Signals
- To Feed a Mono Signal to Stereo Inputs
- To Combine Multiple Mics to a Single Input

You Need The STD Series!

The STD series of products is part of the STICK-ON line of products from Radio Design Labs. It is a resistive branching network with RF filtering on each of the four channels. Any channel, A through D, may be either input or output. This permits combining stereo signals into mono inputs, splitting mono signals to multiple inputs, and even combining microphones with output shorting switches into a single amplifier input. The STD products are available in 150 Ω, 600 Ω and 10 kΩ models. All inputs and outputs are balanced.

STD Functional Block Diagram



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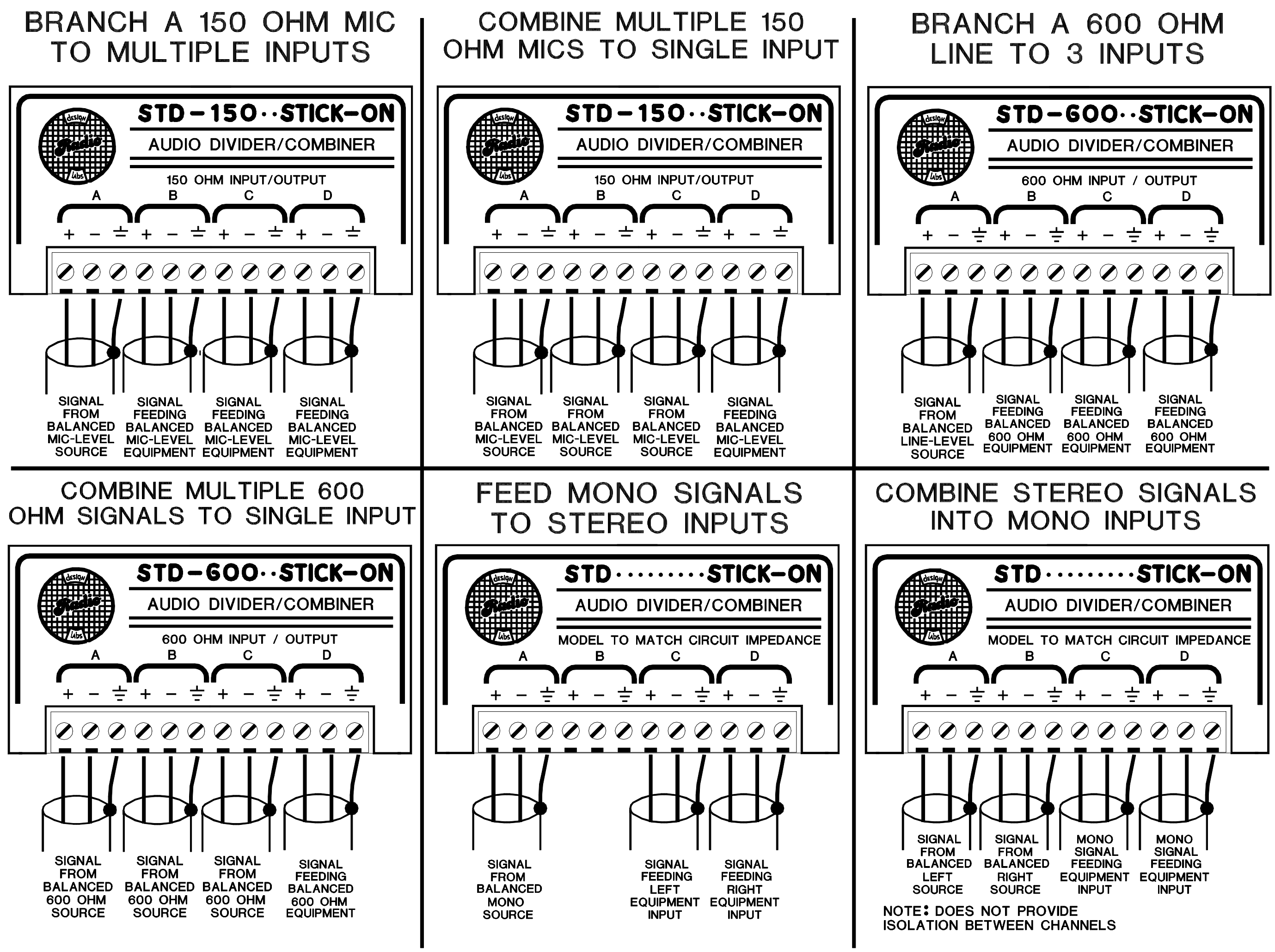
Installation/Operation

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.



A MODULE MAY BE UNBALANCED BY CONNECTING ALL 4 NEGATIVE TERMINALS TO THE ADJACENT GROUNDS. BALANCED AND UNBALANCED WIRING MAY NOT BE MIXED.

TYPICAL PERFORMANCE

Circuit Type:	Passive
Circuit Configuration:	Balanced
Input/Output Impedance:	150, 600, or 10 kΩ as marked
Number of Inputs/Outputs:	4 Total: Useable in any combination: split 1 in to 3 out; 2 in to 2 out; 3 in to 1 out
Insertion Loss:	3 dB
Isolation between Channels:	3 dB (STD products are passive and therefore not intended as isolation devices; use RDL Mixers or Mixers or Distribution Amps for isolation)
Maximum Signal Input:	+28 dBu (at 600 Ω) +22 dBu (at 150 Ω)