



RDL[®]
Radio Design Labs

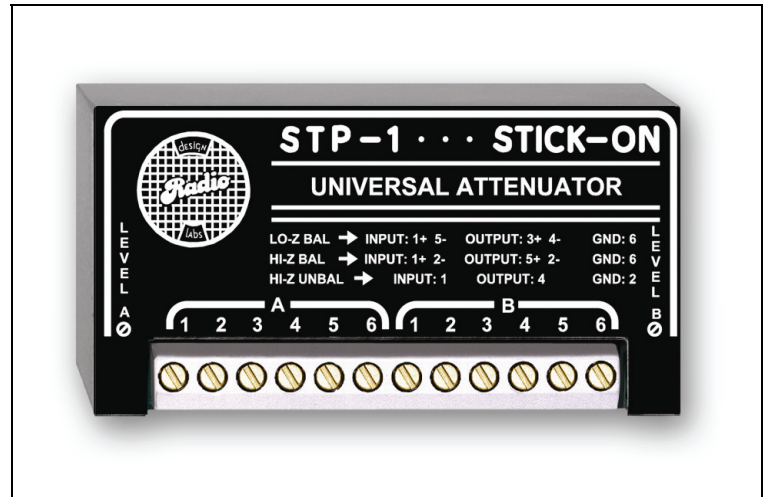
SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON[®] SERIES

Model STP-1

Dual Variable Attenuator

- Audio Level Attenuation
- Adjust Audio Into Equipment
- Preset Audio Levels
- Precisely Match Audio Levels
- Increase Audio Input Headroom
- Two Adjustable Attenuators in One Package



The STP-1 is part of a group of products in the STICK-ON series from Radio Design Labs. The durable adhesives provided with the STP-1 permit permanent or removable mounting. Numerous available mounting accessories, brackets and rack-mount chassis are optionally available to facilitate any system design. STICK-ONS are designed, built and rated for continuous duty in professional A/V systems.

APPLICATION: The STP-1 is a convenient attenuator pad that can be located at the precise location that attenuation is needed without the normal unsightly twisted-resistor pads that are all so common. Some features of the STP-1 are:

- Permits precise calibration of all levels in your audio system
- 2 attenuators provided in each STP-1
- Multi-turn trimmers for precise adjustment
- Very wide range of attenuation; from speaker level inputs to mic outputs
- Operates with balanced or unbalanced inputs/outputs
- No lugs required for reliable connections
- Full operation in either high or low impedance circuits
- Attenuator pads totally self-contained; no jumpers to select or resistors to attach
- Allows the engineer to quickly, efficiently, attenuate any signal; cleanly, neatly, and with proper impedance match
- Recessed adjustment discourages tampering.

Whether you need to reduce the input level to a machine to improve headroom, feed a line level signal into a mic level input, or simply lower the level of an audio line to match your systems standard levels, the STP-1 is the simple and economic answer. Use the STP-1 individually, or combine it with other RDL products as part of a complete audio/video system.

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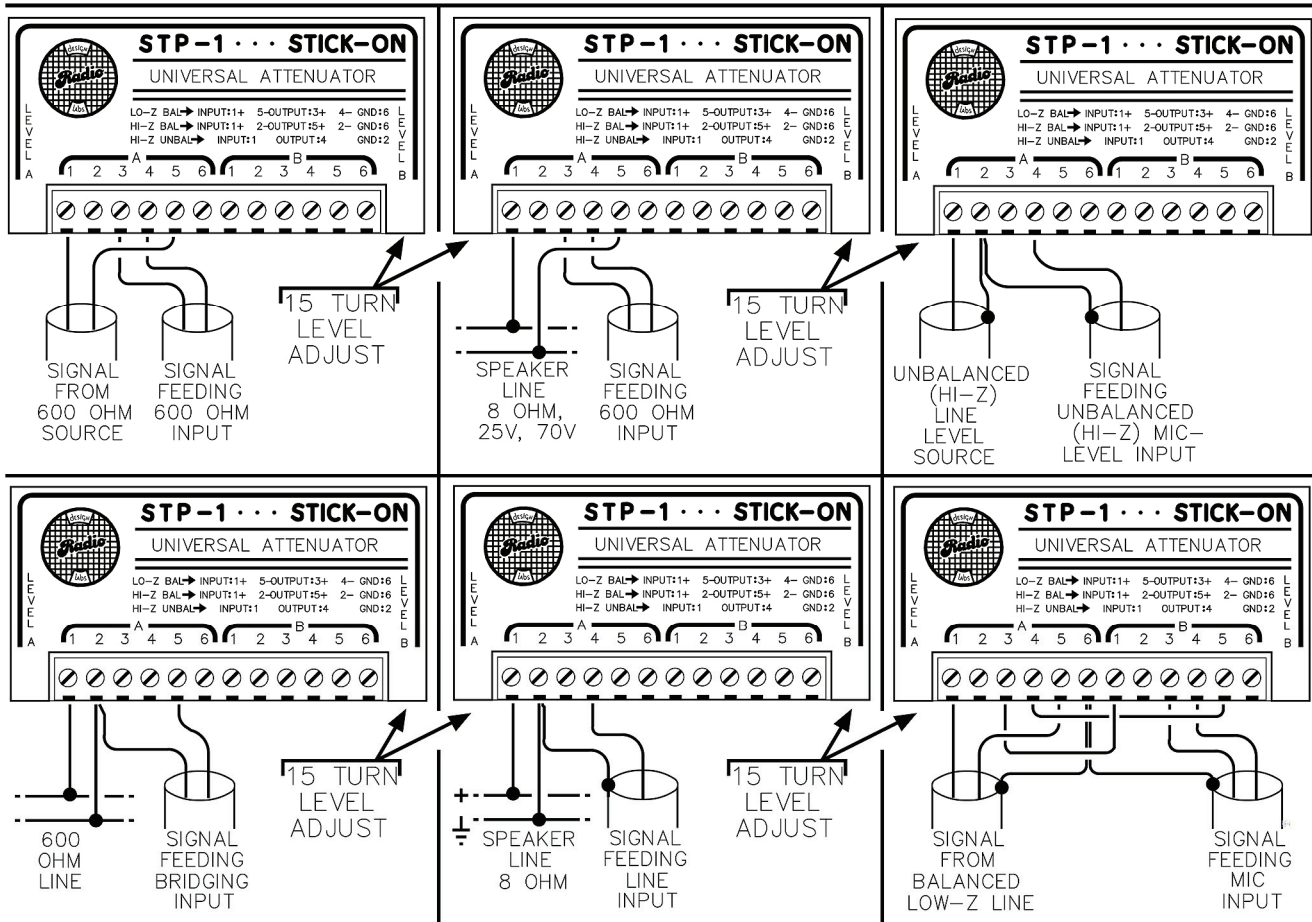
Model STP-1 Dual Variable Attenuator

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

Attenuation:

Hi-Z balanced line: Adjustable 1 dB to 85 dB
Lo-Z balanced Line: Adjustable 5 dB to 35 dB
Hi-Z unbalanced Line: Adjustable 1 dB to 85 dB

Nominal Impedance:

Hi-Z 10 kΩ, Lo-Z 600 Ω

Circuit Type:

Passive modified H & T pads

Adjustment:

Screwdriver trimming adjustment, 15 turns continuous

Balanced:

Counter-clockwise adjustment increases attenuation

Unbalanced:

Clockwise adjustment increases attenuation

Connections:

Terminal block accepts 14 to 24 gauge wire; no lugs required;

input / output connection legend located on STP-1

Maximum Signal Inputs:

Hi-Z balanced line: +33 dB 35 V rms
Lo-Z balanced line: +27 dB 18 V rms
Hi-Z unbalanced line: +35 dB 45 V rms

Reference Levels:

Line level is +10 dBu to -10 dBu
Mic level is -45 dBu to -65 dBu
0 dB = 0.775 V rms into specified load

Ambient Operating Environment:

-20° C to 60° C

Power Requirement:

Passive (not required)