



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

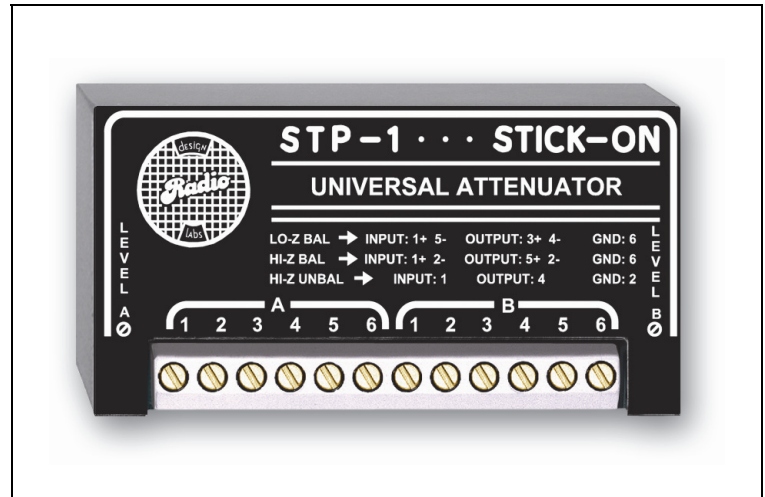
SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

## STICK-ON<sup>®</sup> 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.

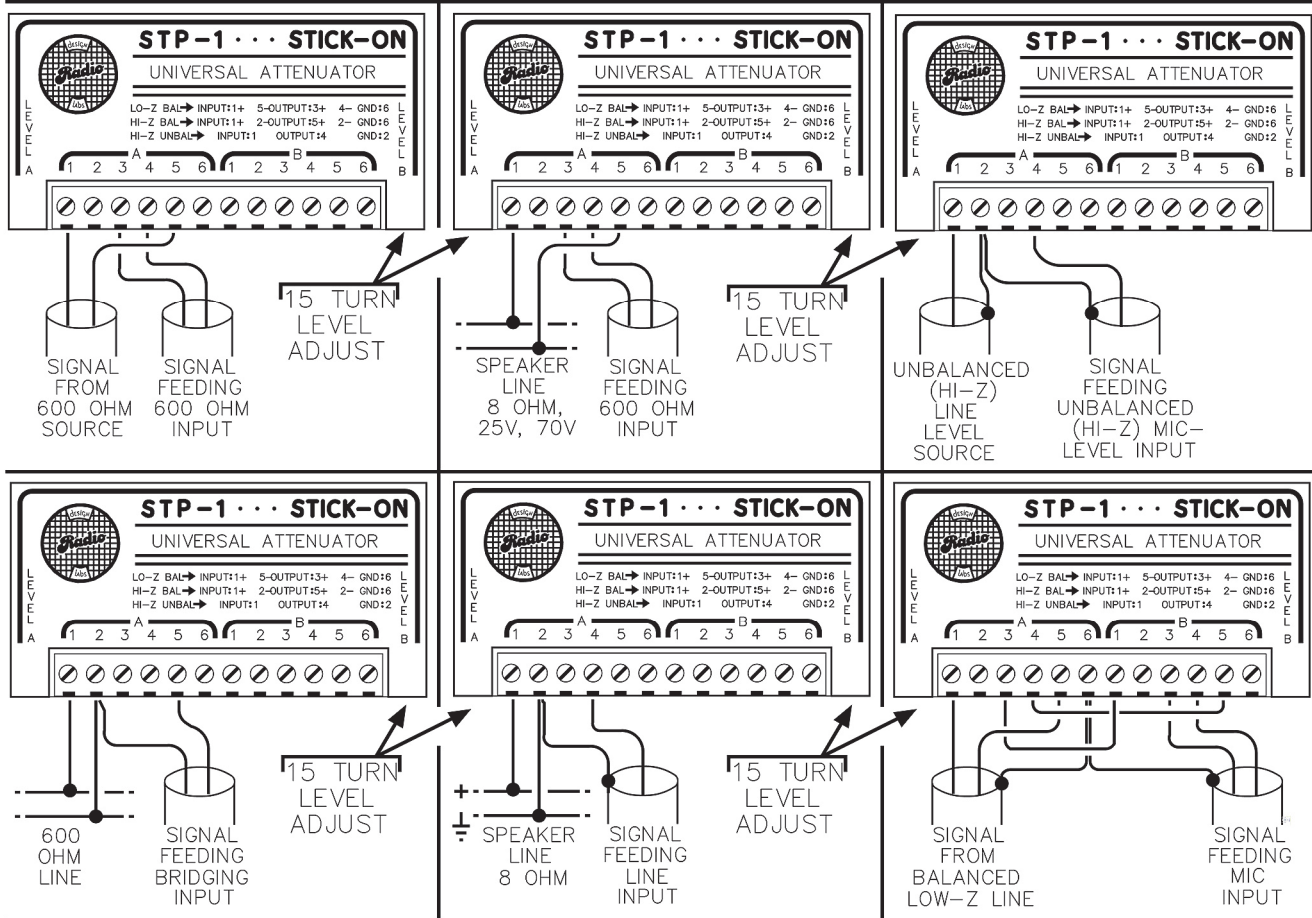
# STICK-ON<sup>®</sup> SERIES

## Model STP-1 Dual Variable Attenuator

## Installation/Operation



Declaration of Conformity available from rdlnet.com.  
Sole EMC specifications provided on product package.  
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)	