



RDL®
Radio Design Labs

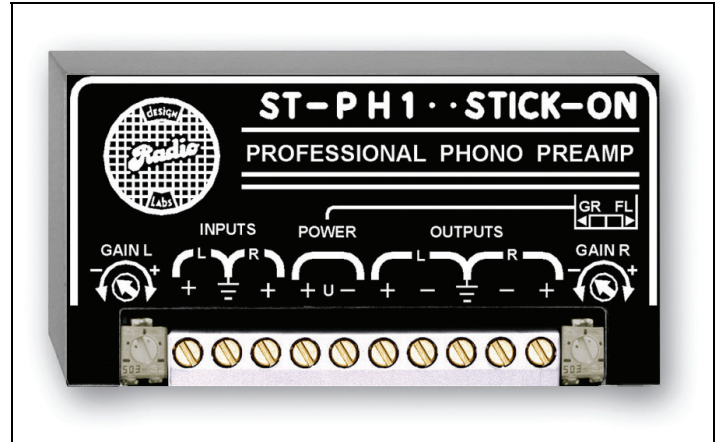
SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON® SERIES

Model ST-PH1

Phono Preamplifier

- Stereo or Mono Phono Preamplifier
- Balanced or Unbalanced Outputs
- Outputs Drive Hi or Low Impedance Lines
- Accurate, Low-Noise Preamplification
- Adjustable Left and right Output Levels
- RDL SupplyFlex™ Power Input Configuration



The ST-PH1 is part of a group of products in the STICK-ON series from Radio Design Labs. The durable adhesives provided with the ST-PH1 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. STICK-ONs are designed, built and rated for continuous duty in professional A/V systems.

APPLICATION: The ST-PH1 is a stereophonic phono preamplifier. Each of the channel circuits is identical. The ST-PH1 has standard 47 kΩ impedance unbalanced phono cartridge inputs. Each output will drive a high or low-impedance balanced or unbalanced line. Equalization follows the RIAA curve.

The power supply input may be fed from a floating (not ground-referenced) 24 Vdc power source, from a bipolar power supply (± 12 Vdc or ± 15 Vdc), or from a ground-referenced 24 Vdc power supply. A switch on the module is used to select the power configuration.

The ST-PH1 features superior circuitry for low-noise, low-distortion, and exceptional audio clarity. Some features are:

- Input matched to standard cartridges used in the industry.
- Impeccable audio quality.
- Ultra-low distortion and low noise.
- Output levels adjustable (Independent adjustment for left and right channels).
- Ample headroom at operating level.
- Outputs short circuit protected.
- Operation from floating, bipolar, or ground-referenced dc power supply.
- Positive connections via barrier block, no audio connectors to wire.

Optimum system performance is obtained when phonographs are preamplified as close to the turntable as possible, and then the line-level signals are fed to the next piece of equipment in the chain. Audio performance and mounting convenience make the ST-PH1 ideal for a wide range of turntable installations!

STICK-ON[®] SERIES

Model ST-PH1

Dual Variable Attenuator

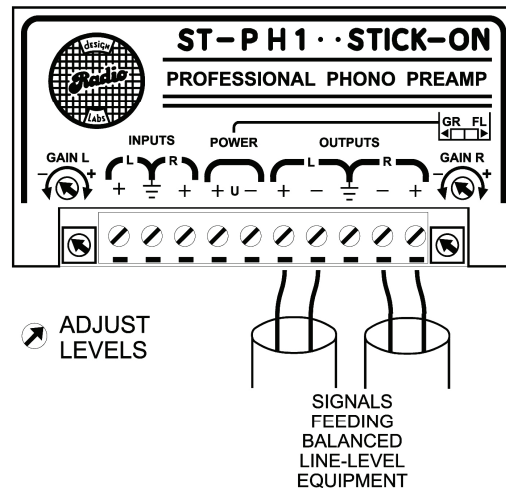
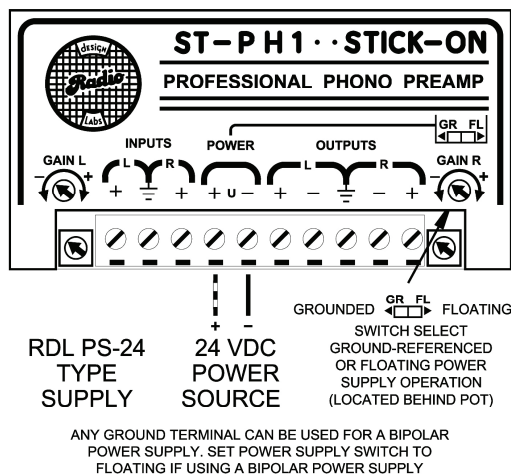
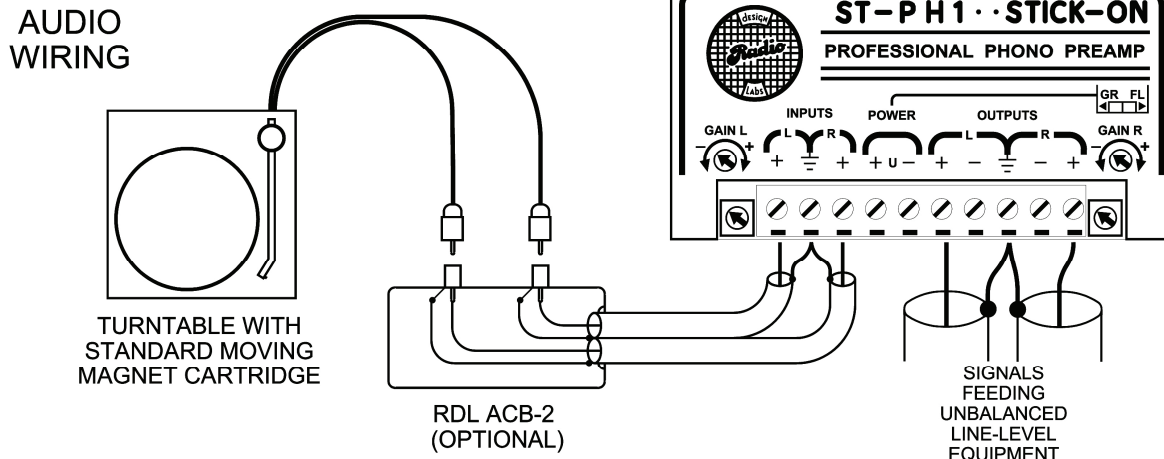
Installation/Operation



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.

AUDIO WIRING



TYPICAL PERFORMANCE

Inputs (2):	47 kΩ unbalanced
Gain:	40 to 60 dB @ 1 kHz (adjustable)
Output (2):	300 Ω to drive low or high-impedance, balanced or unbalanced lines
Output Level:	+4 dBu nominal, adjustable; (unbalanced output 6 dB below balanced line level)
THD+N:	< 0.03% (10 Hz to 30 kHz, high impedance load)
	< 0.015% (10 Hz to 30 kHz, 600 Ω load)
Frequency Response:	RIAA curve
Noise:	< -75 dB (below +4 dBu)
Headroom:	18 dB (above +4 dBu)
Ambient Operating Environment:	0° C to 55° C
Power Requirement:	GROUND-REFERENCED or FLOATING, 24 Vdc @ 60 mA