



RDL[®]
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

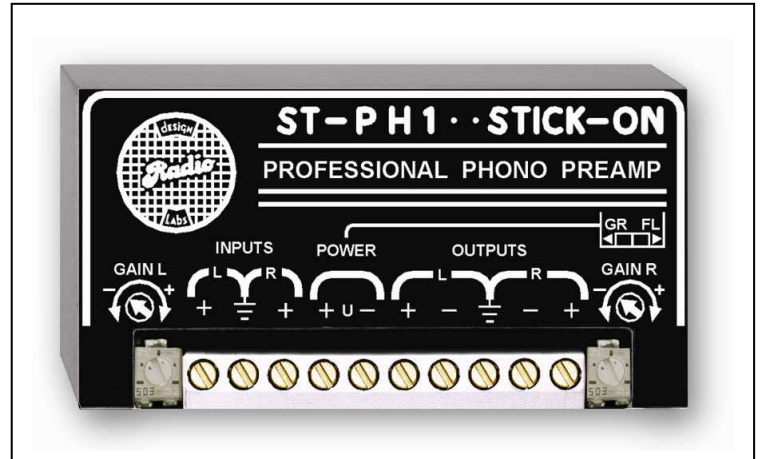
STICK-ON[®] SERIES

Model ST-PH1

Phono Preamplifier

ANYWHERE YOU NEED...

- Stereo or Mono Phono Preamplifier
- Preamplifier with Balanced or Unbalanced Outputs
- Preamplifier with Hi or Low-Impedance Outputs
- Accurate, Low-Noise Preamplification
- Ground-Referenced or Floating Power
- RDL SupplyFlex™ Power Input Configuration



You Need The ST-PH1!

The ST-PH1 is part of a group of products in the STICK-ON series from Radio Design Labs. The durable bottom adhesives provided permit permanent or detachable mounting nearly anywhere or it may be used with RDL's STR-19A or STR-19B racking adapter for rack mounting! The ST-PH1 gives you the advantages of a high quality, low-noise phono preamplifier with a big plus, you can put it where you need it!

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

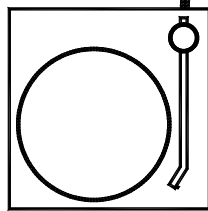
Stereo Phono Preamplifier

Installation/Operation

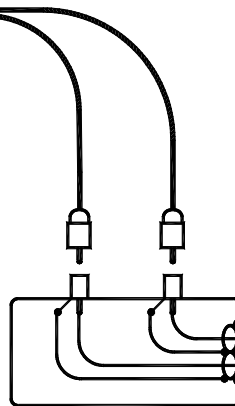


EN55103-1 E1-E5; EN55103-2 E1-E4
Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.

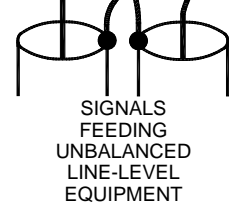
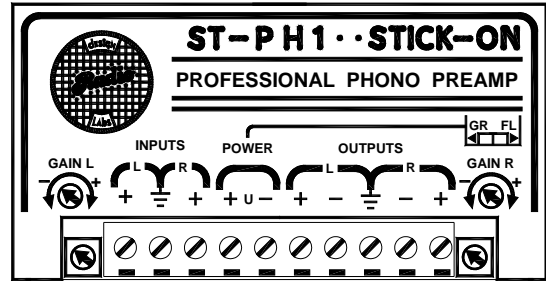
AUDIO WIRING



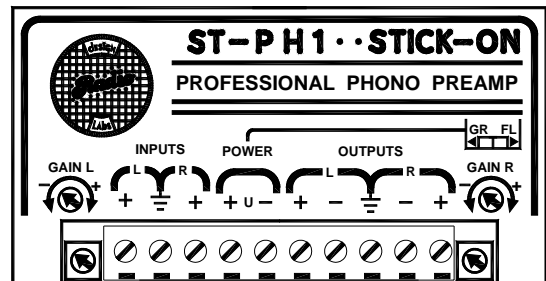
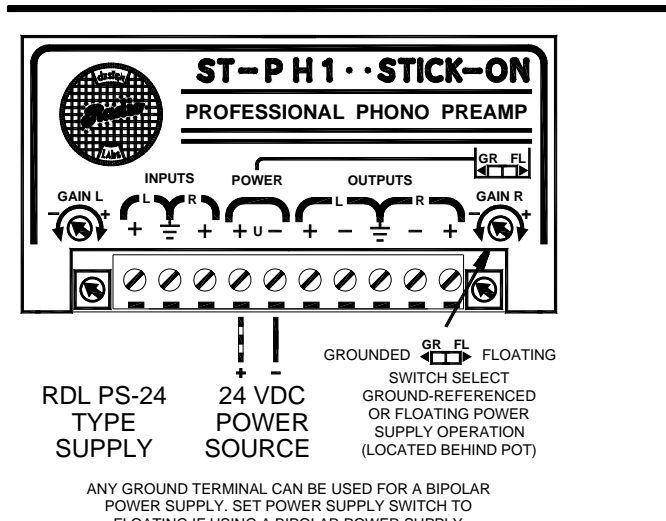
TURNTABLE WITH STANDARD MOVING MAGNET CARTRIDGE



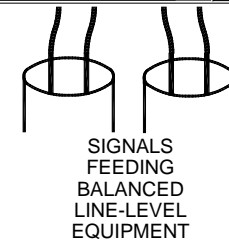
RDL ACB-2 (OPTIONAL)



SIGNALS FEEDING UNBALANCED LINE-LEVEL EQUIPMENT



ADJUST LEVELS



SIGNALS FEEDING BALANCED LINE-LEVEL EQUIPMENT

TYPICAL PERFORMANCE

Inputs:	47 kΩ unbalanced
Gain:	40 to 60 dB @ 1 kHz (adjustable)
Output:	300 Ω to drive low or high-impedance balanced or unbalanced lines
Output Signal:	Balanced: +4 dBu nominal (adjustable) Unbalanced: 6 dB below balanced line-level
THD:	< 0.03% Hi-Z load; < 0.015% 600 Ω load. (10 Hz to 30 kHz)
Frequency Response:	RIAA curve
Noise:	< -75 dB below +4 dBu
Headroom:	18 dB above +4 dBu
Power Requirement:	24 to 33 Vdc @ 60 mA, Ground-referenced or Floating