

STICK-ON® SERIES Models ST-HP1 and ST-HP2 High-Pass Filters

ANYWHERE YOU NEED...

- Horn Loudspeaker Protection
- Low-frequency Attenuation
- Line-Level Input/Output Filter
- Filter with Line Level Loop-Out
- Filtering Requiring No Field Adjustment



You Need The ST-HP1 or ST-HP2!

The ST-HP1 and ST-HP2 are part of the group of versatile STICK-ON products from Radio Design Labs. STICK-ONs feature the advanced circuitry for which RDL products are known, combined with unequaled versatility in mounting possibilities. The durable adhesives provided with the ST-HP1 and ST-HP2 permit permanent or removable mounting. Numerous available mounting accessories, brackets and rack-mount chassis are optionally available to facilitate any system design.

APPLICATION: The ST-HP1 or ST-HP2 is the ideal choice where line-level audio filtering needs to be provided at the input of a power amplifier for protection of public address horns against damage from low frequencies.

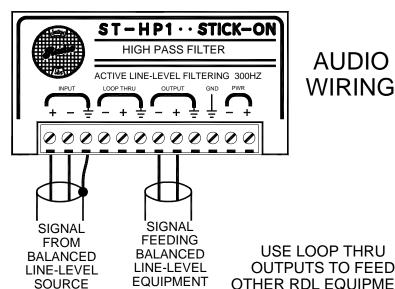
The ST-HP1/2 has one input, a loop-out and a filtered output. Both the input and output are balanced, and each may be wired unbalanced if required. The input accepts line-level (+4 dBu nominal) audio, which is fed to the filter circuitry and to the loop-out terminals. The output is filtered according to the attached attenuation curves:

Wherever a public address high-pass filter is needed, the ST-HP1 or ST-HP2 is the ideal choice. Use the ST-HP1 or ST-HP2 combined with other RDL RACK-UP®, STICK-ON, TXTM, or FLAT-PAKTM series products as part of a complete audio/video system.



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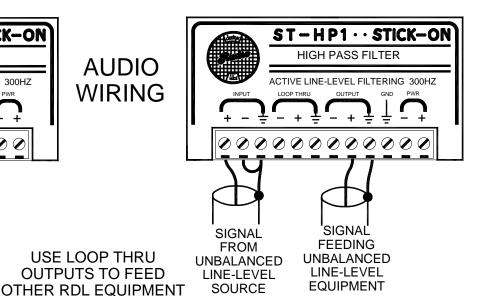
AUDIO WIRING

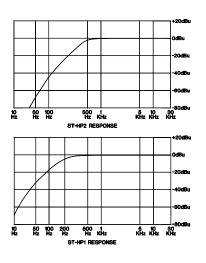
Installation/Operation

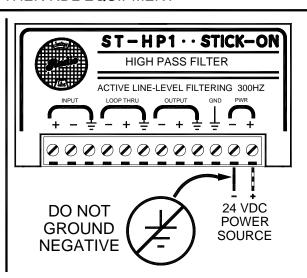


EN55103-1 E1-E5; EN55103-2 E1-E4

Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.







POWER WIRING

RDL PS-24 TYPE SUPPLY SHOWN. A BIPOLAR 12 OR 15 VOLT DC SUPPLY MAY BE **USED WITH BIPOLAR SUPPLY GROUND CONNECTED** TO MODULE GND.

TYPICAL PERFORMANCE

ST-HP1 Freq. Response: 350 Hz - 30 kHz (+/- 0.25 dB)

300 Hz - 30 kHz (+/- 0.5 dB)

ST-HP1 -3 dB Frequency: 225 Hz

ST-HP1 Minimum Rolloff: 12 dB/octave

ST-HP2 Freq. Response: 500 Hz - 30 kHz (+/- 1.0 dB)

ST-HP2 -3 dB Frequency: 450 Hz ST-HP2 Minimum Rolloff: 18 dB/octave THD+N: < 0.005%

Residual Noise: < -90 dB (below operating level)

Insertion Loss: < 2 dB18 dB Headroom:

24 to 33 Vdc @ 30 mA, Floating Power Requirement: