



RDL[®]
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

AV-PAK™ Series Model AV-HK1 “Hum Killer” Audio Isolation Module

ANYWHERE YOU NEED...

- Ground Isolation in Unbalanced Line
- Ground-Loop Elimination
- Unbalanced Stereo Galvanic Isolation
- Isolation in Rugged Field Case
- Portable or Permanent Isolation Module

You Need The AV-HK1!



The AV-PAK Series is a versatile product group from Radio Design Labs. The heavy-duty metal design allows the products to be used for both portable or fixed installations. These products feature the dark RDL *ULTRASTYLE*™ color complement making the modules ideal for use on stage as well as in an office or meeting room.

APPLICATION: The AV-HK1 is a stereo transformer isolation module for use with unbalanced, high impedance audio inputs. Input and output connections are provided on gold-plated phono jacks. The AV-HK1 is supplied with two adapter cables to facilitate connecting with products that use mini-plugs and jacks.

The shield connection of each **INPUT** jack is electrically isolated from the case and from the output ground. The shield connection of each **OUTPUT** jack is connected to the case shield. The user audio source, such as a computer, CD player, cassette player or other consumer audio product, connects to the AV-HK1 **INPUT**. The **OUTPUT** should be connected to the input of the grounded amplifier or mixer in the audio system.

Input and output jacks are oriented left (**L**) and right (**R**) when the user is facing each end panel. The correct channel orientation is indicated on the front panel of the module.

The AV-HK1 is a rugged product designed for portable use. For fixed installations, a mounting bracket is included. Many consumer audio inputs and outputs use stereo mini-plugs and jacks. The AV-HK1 includes two adapter cables to interface with these products. The cable kits are also available separately from RDL in the event a cable becomes worn or lost.



AV-AC2 Cable Kit (included with AV-HK1), Includes:

- 1 each Dual Phono to Stereo 1/8 in. (3.5 mm) Mini-plug; Length: 8 in. (20 cm) + connectors
- 1 each Dual Phono to Stereo 1/8 in. (3.5 mm) Mini-jack; Length: 8 in. (20 cm) + connectors

Wherever mono or stereo ground isolation is required for an unbalanced audio input, the AV-HK1 is the ideal choice. Use the AV-HK1 with other RDL modules and products to form a complete audio/video system.

AV-PAK™ Series

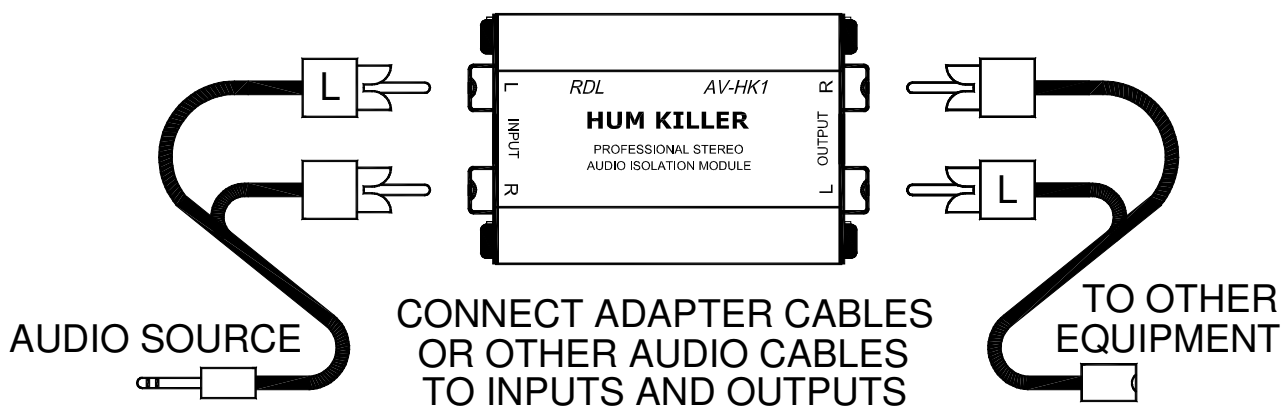
Model AV-HK1 “Hum Killer”

Audio Isolation Module

Installation/Operation

CE 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.

OBSERVE CHANNEL POLARITY



For permanent installation, fasten bracket to surface and snap module into position:



TYPICAL PERFORMANCE:

Inputs (2):	-10 dBV nominal, 10 k Ω
Outputs (2):	-10 dBV nominal, 10 k Ω
Frequency Response:	20 Hz to 20 kHz (+/- 3 dB)
THD+N:	<0.5% (30 Hz to 20 kHz); 0.05% @ 1 kHz
Crosstalk:	<60 dB (20 Hz to 20 kHz; 100 Ω source, 10 k Ω load); <70 dB @ 1 kHz
Dimensions:	Height: 1.38 in. 3.5 cm (unmounted)
	Height: 1.44 in. 3.66 cm (mounted)
	Width: 2.05 in. 5.2 cm
	Length: 2.90 in. 7.37 cm
Finish:	RDL Dark <i>ULTRASTYLE™</i> (dark gray with beige lettering)