



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

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

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

- Ground Isolation in Unbalanced Line
- Ground-Loop Elimination
- Unbalanced Stereo Galvanic Isolation
- Isolation in Rugged Field Case
- Portable
- Equipped for Surface Mounting



**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. 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.



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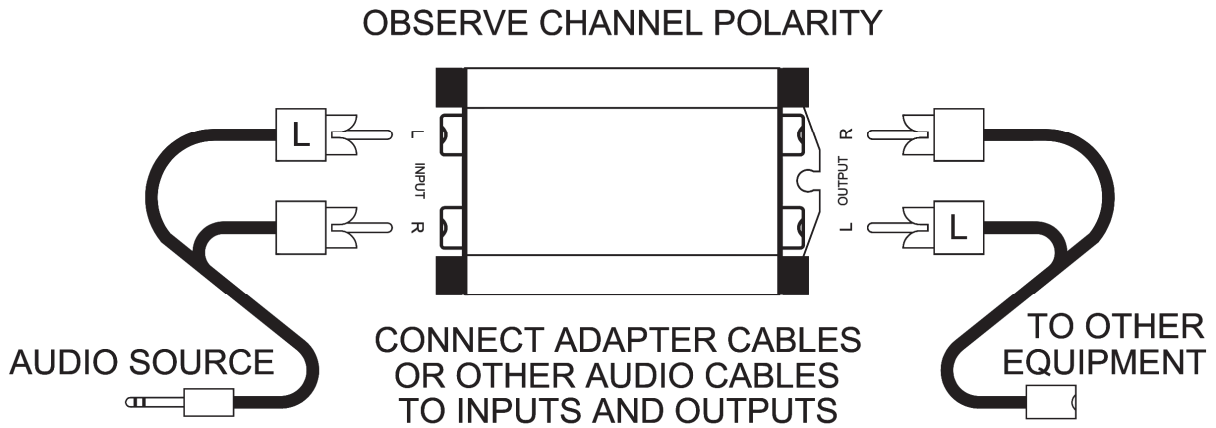
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**AV-PAK™ Series**  
**Model AV-HK1 “Hum Killer”**  
**Audio Isolation Module**

**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.



**TYPICAL PERFORMANCE:**

Inputs (2):	-10 dBV nominal, 10 k $\Omega$
Outputs (2):	-10 dBV nominal, 10 k $\Omega$
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 $\Omega$ source, 10 k $\Omega$ load); <70 dB @ 1 kHz
Dimensions:	Height: 1.64 in. 4.16 cm
	Width: 2.25 in. 5.71 cm
	Length: 2.99 in. 7.59 cm

Safety Instructions/Consignes de sécurité/  
Instrucciones de seguridad/Sicherheitshinweise:



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