



# RDL®

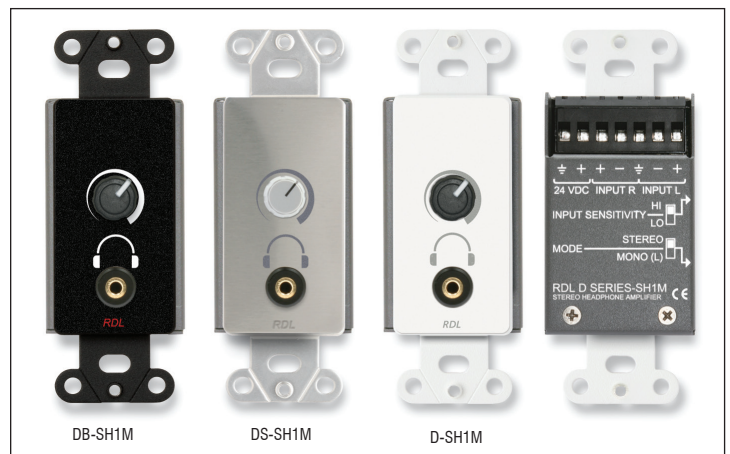
High Performance Audio Products. Made in America.

## ACCESSORIES

Models **D-SH1, DB-SH1, DS-SH1**  
**Stereophonic Headphone Amplifier**  
1/4" (6.3mm) Jack

Models **D-SH1M, DB-SH1M, DS-SH1M**  
**Stereophonic Headphone Amplifier**  
1/8" (3.5mm) Jack

- Integral Long-Life VCA Stereo Level Control
- Balanced or Unbalanced Inputs
- Switch-Selectable Input Sensitivity
- Switch-Selectable Mono (Left) or Stereo Operation
- Amplifier To Drive High or Low Impedance Headsets
- Output: 1/4" (6.3 mm) standard headphone jack (-SH1)
- Output: 1/8" (3.5 mm) mini jack (-SH1M)
- Convenience of Decora® Mounting Possibilities



**APPLICATION:** The D SERIES-SH1/M is used in applications requiring headphones of any impedance to be driven from consumer or professional audio sources. The -SH1/M is ideally suited to applications as diverse as language translation, museums, interview studios and music stores.

The -SH1/M is a dual channel headphone amplifier with balanced/unbalanced left (**INPUT L**) and right (**INPUT R**) inputs. Each input accepts operating levels between -20 dBV and +20 dBu. Two recessed slide switches located on the side of the rear enclosure are set prior to mounting the module. One switch is provided for setting the **INPUT SENSITIVITY**. The **MODE** switch selects between stereo and mono operation. In the **MONO (L)** position, the left input is used to drive both output channels. When the module is used in a monaural system, only the left channel input must be wired. The front panel level control is a long-life potentiometer controlling matched VCAs. Audio does not pass through this control, assuring years of noise-free level adjustment. The output amplifiers deliver more than 50 mW into either high or low impedance headphones through a durable, metal 1/4" (6.3 mm) standard headphone jack (-SH1) or a 1/8" (3.5 mm) mini jack (-SH1M).

Module operation is from a 24 Vdc ground-referenced power supply. It can also operate from a 12 Vdc supply with a 6 dB reduction in headroom and a maximum output power of 10 mW.

The versatile input level range, low distortion, audio clarity and excellent crosstalk performance make this module ideally suited to a wide variety of audio applications. Use this module in conjunction with other RDL modules as part of a high quality, flexible audio/video system.



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## Installation/Operation

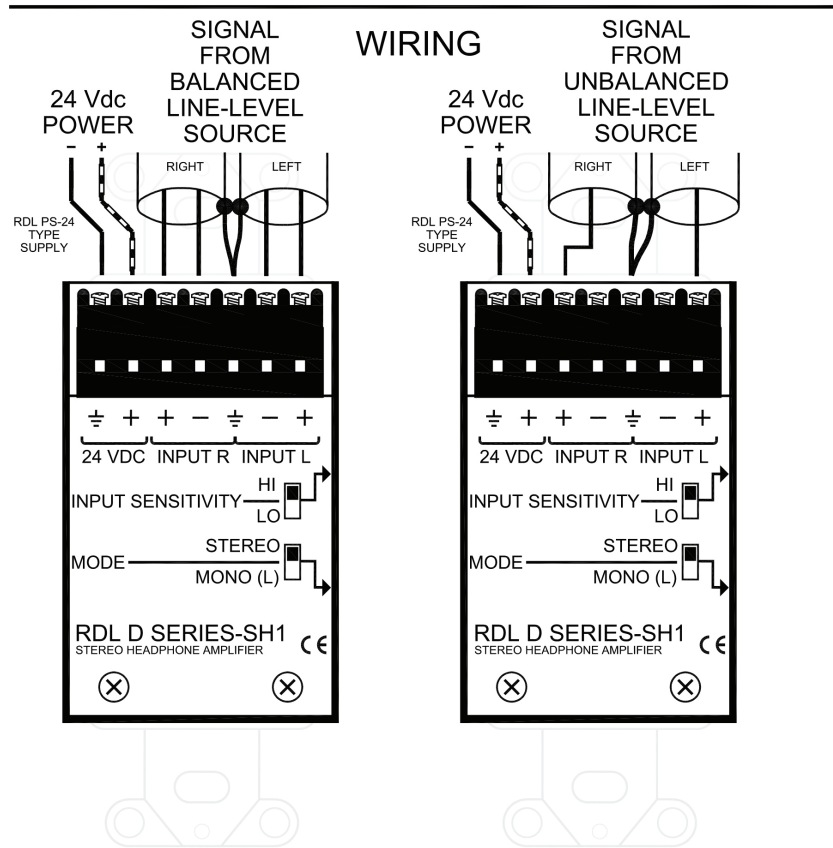
### ACCESSORIES

Models **D-SH1, DB-SH1, DS-SH1**  
**Stereophonic Headphone Amplifier**  
 1/4" (6.3mm) Jack

Models **D-SH1M, DB-SH1M, DS-SH1M**  
**Stereophonic Headphone Amplifier**  
 1/8" (3.5mm) Jack



Declaration of Conformity available from [rdlnet.com](http://rdlnet.com).  
 Sole EMC specifications provided on product package.  
 Specifications are subject to change without notice.



### TYPICAL PERFORMANCE

Inputs (2):	10 kΩ balanced or unbalanced bridging
Input Level:	+4 dBu nominal (Low input sensitivity) balanced; -15 dBV nominal (High input sensitivity) unbalanced
Maximum Input Level:	+21 dBu (Low input sensitivity) balanced; +3 dBV (High input sensitivity) unbalanced
Output Signal (normal rated):	10 mW into 100 Ω
Output Signal (maximum):	50 mW into 100 Ω
THD + N:	< 0.5% @ 1 kHz
Frequency Response:	30 Hz to 20 kHz (± 2 dB)
Noise:	< -70 dB below normal operating level
Gain:	User-adjustable on front panel; 18.5 dB (maximum, High input sensitivity); Unity (maximum, Low input sensitivity)
CMRR:	> 60 dB (50 to 120 Hz)
Crosstalk:	Below noise floor (20 Hz to 20 kHz)
Ambient Operating Environment:	0° C to 55° C
Power Requirement:	24 Vdc @ 50 mA, Ground referenced

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



EU Importer:  
 Importateur de l'UE:  
 Importador de la UE:  
 EU-Importeur:

RDL Europe B.V.  
 Joan Muyskenweg 124  
 1114 AN Amsterdam