



RDL[®]
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

ACCESSORIES

Models D-PSP1, DB-PSP1, DG-PSP1, DS-PSP1 Decora-Style Active Loudspeaker

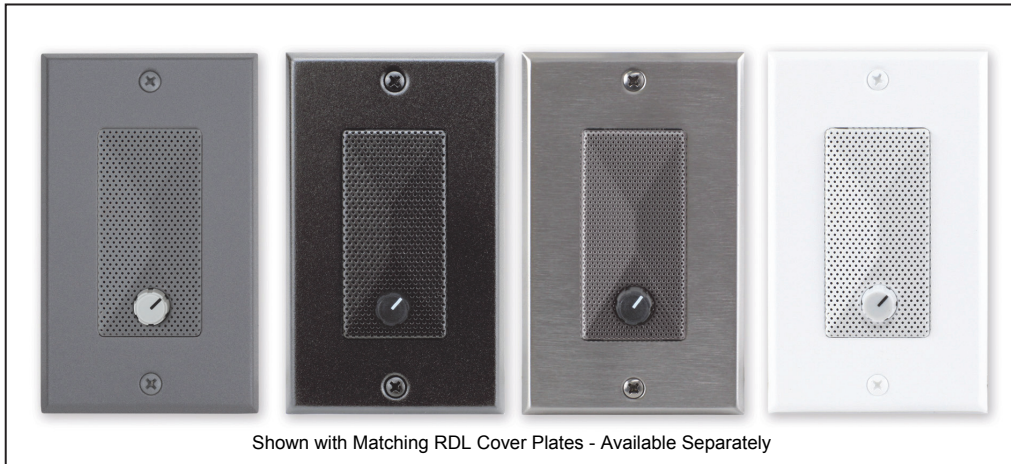


DG-PSP1

DB-PSP1

DS-PSP1

D-PSP1



Shown with Matching RDL Cover Plates - Available Separately

- Exceptional Audio Quality for Ultra-Compact Size
- 2 Watt RMS Audio Amplifier
- Compressor/Limiter Prevents Clipping
- Balanced +4 dBu Input on the Rear Panel
- Unbalanced -10 dBV input on the Rear Panel
- Front-Panel Gain Adjustment
- Acoustically Optimized Decora Enclosure
- Fidelity Comparable to Larger Drivers
- Hemispherical Dispersion Mounted In Wall or Flat Surface

The D SERIES-PSP1 is part of the group of versatile wall-mounted products from Radio Design Labs. The standard mounting case can be directly fastened in North American electrical boxes or in RDL International wall boxes.

APPLICATION: The D SERIES-PSP1 is a compact active loudspeaker that delivers rich, detailed sound in Decora-compatible wall or chassis mounts. The input accepts either a -10 dBV unbalanced or a +4 dBu balanced signal on the rear-panel detachable terminal block. Amplification is provided by a high-efficiency Class D power stage with audio filtering tailored for crisp, pleasant audio clarity. The high-efficiency Class D output stage produces negligible heat for all levels of expected voice or music modulation. The amplified output level is controlled by a front-panel volume control. The -PSP1 includes an analog compressor/limiter that makes higher sound output levels possible without clipping.

The driver is constructed of materials found in premium larger speakers. The unique steel enclosure provides full baffling in a tightly sealed rigid structure. This produces sonic presence within an extended frequency range expected from larger speakers. Internal filtering rolls off out-of-band frequencies to reduce distortion and increase peak power capability. Dispersion covers a spherical area of nearly 180 degrees with the speaker mounted in a wall.

Models are available with grills in black (DB-PSP1), white (D-PSP1), gray (DG-PSP1) or stainless steel (DS-PSP1).

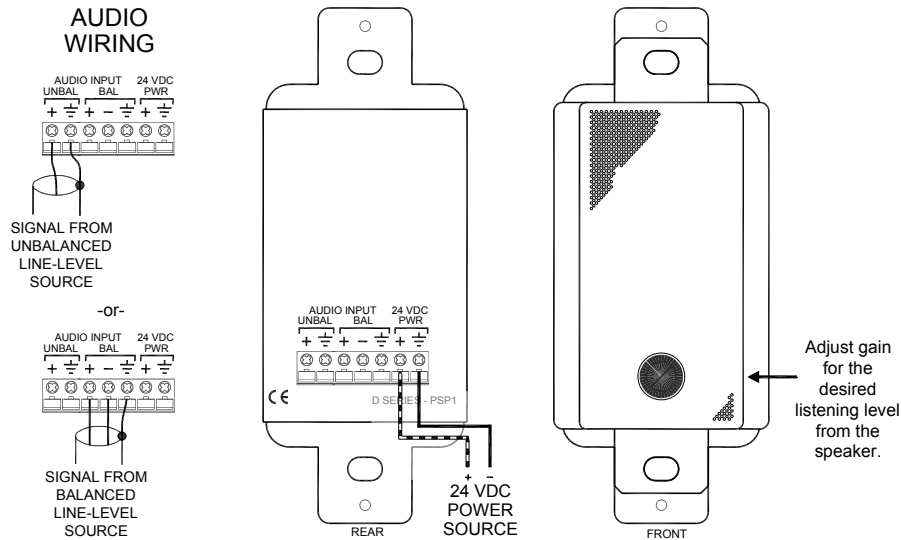
ACCESSORIES

Models D-PSP1, DB-PSP1, DG-PSP1, DS-PSP1
Decora-Style Active Loudspeaker

Installation/Operation



EN55103-1 E1-E5; EN55103-2 E1-E4; EN60065
Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice. This product is Professional Apparatus.



TYPICAL PERFORMANCE

Inputs (2): 30 kΩ balanced or 10 kΩ unbalanced
 Input Level: +4 dBu nominal (Balanced);
 -10 dBV nominal (Unbalanced)
 Minimum Input Level: -18 dBu (Balanced, Max. gain);
 -19 dBV (Unbalanced, Max. gain)
 Maximum Input Level: +22 dBu
 Gain Adjustment: Single-turn audio taper (Front-panel)
 Maximum SPL: 81 dB
 Frequency Range: 150 Hz to 20 kHz, nominal
 CMRR: > 50 dB (50 Hz to 120 Hz)
 Power Requirement: 24 Vdc @ 55 mA (Idle); 100 mA (maximum), Ground-referenced
 Ambient Operating Environment: 0° C to 40° C Maximum; 20° C Recommended
 Dimensions: Height: 4.13 in. 10.49 cm; Width: 1.7 in. 4.32 cm; Depth: 2.05 in. 5.21 cm

