



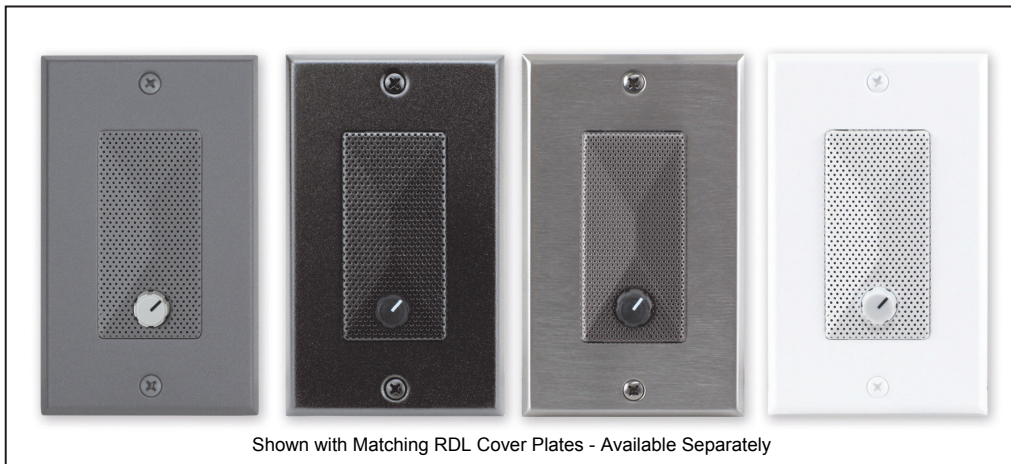
# RDL<sup>®</sup>

Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

## ACCESSORIES

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



- 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).

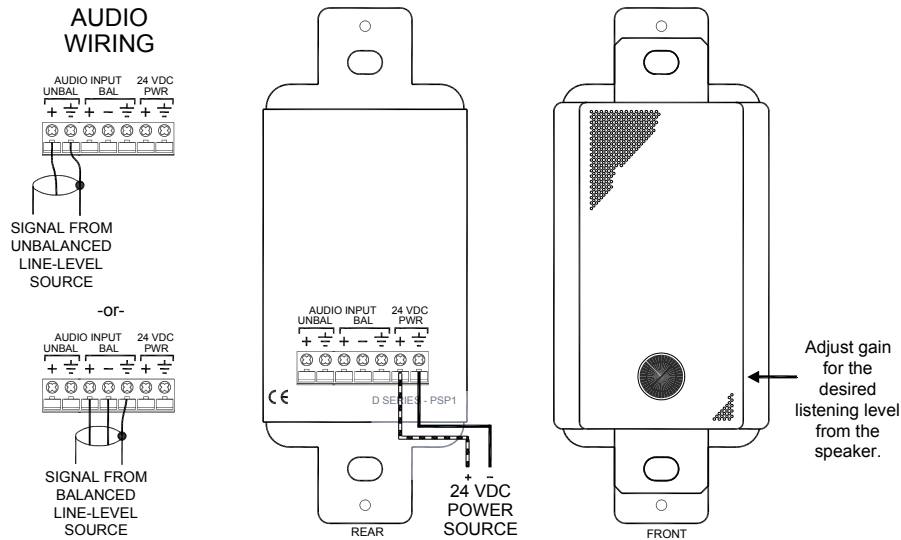
## ACCESSORIES

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

