

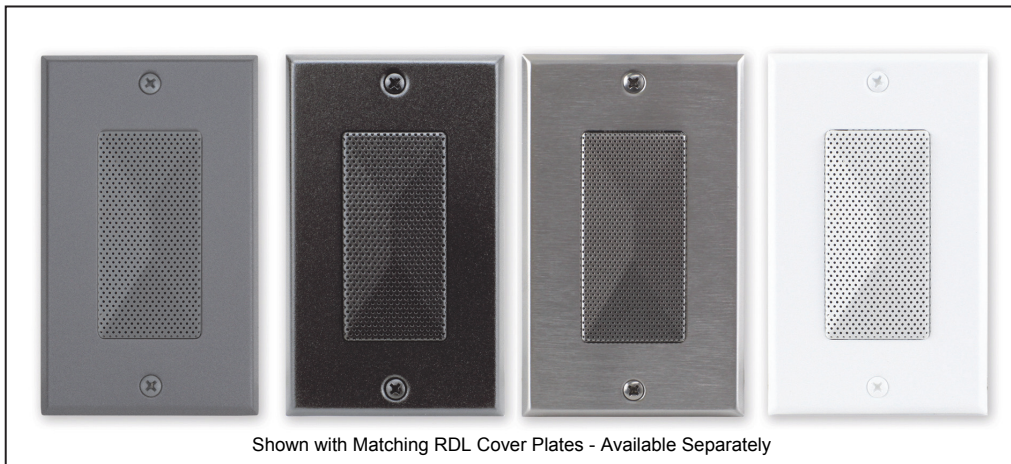
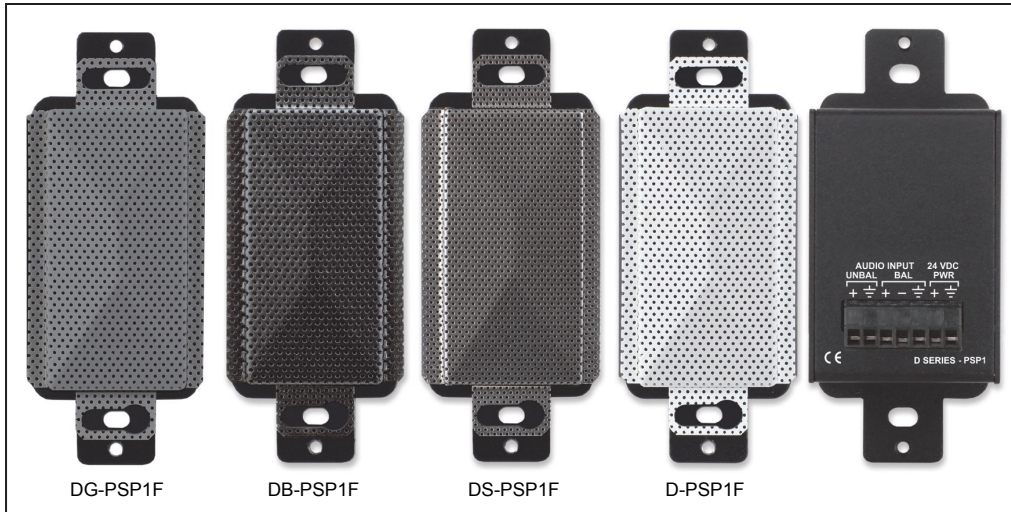


**RDL**<sup>®</sup>  
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

## ACCESSORIES

### Models D-PSP1F, DB-PSP1F, DG-PSP1F, DS-PSP1F Decora-Style Active Loudspeaker



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
- Gain Set by the Installer
- Acoustically Optimized Decora Enclosure
- Fidelity Comparable to Larger Drivers
- Hemispherical Dispersion Mounted In Wall or Flat Surface

The D SERIES-PSP1F 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-PSP1F 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 -PSP1F 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-PSP1F), white (D-PSP1F), gray (DG-PSP1F) or stainless steel (DS-PSP1F).

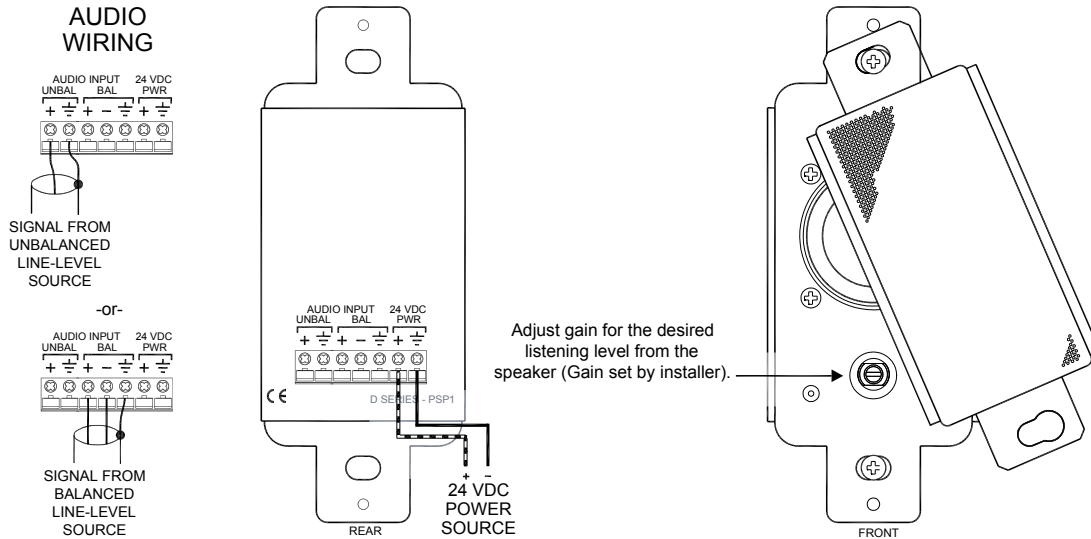
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Decora-Style Active Loudspeaker

## 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 (set by installer)
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

