

# 4825

COMPACT  
BI-RADIAL™  
SPEAKER SYSTEM



## FEATURES:

Ultra-compact two-way loudspeaker system

Smooth, even response from 60 Hz to 20 kHz

Integral front-mounted bumper handles protect horn component in transit

Sides taper inward, allowing cabinet groups to simulate single point source along horizontal axis

6 certified aircraft-style pan fitting hanging points, recessed and flush-mounted with cabinet surface

Ideal for media presentation, playback or live performance use

Rugged construction for touring sound applications

The JBL 4825 is an ultra-compact, two-way loudspeaker system designed to be used as a stand-alone device or as a modular part of larger multi-way arrays. The 4825 consists of a Model 2425J compression driver on a 2344 Bi-Radial™ Constant-Coverage horn and a single 2204H 12 inch loudspeaker in a ported, direct radiating enclosure.

A pair of tuned low frequency ports are hidden behind the 2344 horn, and exit in the two horn flare cavities. This unique design configuration allows for extended bass response while maintaining the 4825's compact size design criteria.

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The Model 4825 is intended for use in music playback, stage monitoring, media presentations, or any application that calls for full-range reproduction from a compact system. Six steel-reinforced aircraft type fitting points (2 each—top, bottom and back) are included for safe and convenient hanging.

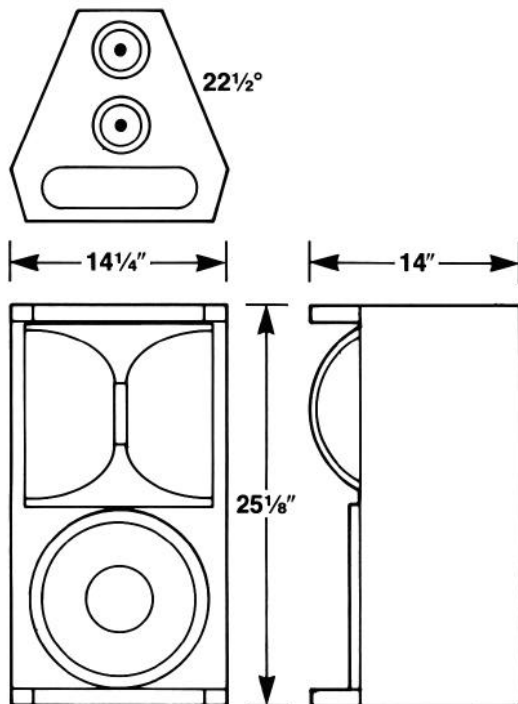
The 4825 is equipped with EP-8 input connectors. Two connectors are installed (one male, one female) to enable loop-through wiring for connecting additional Concert Series systems. The 4825 comes wired, tested and ready for immediate use. This precision-designed speaker system module is an integral component of the JBL Concert Series.

#### ARCHITECTURAL SPECIFICATIONS:

The two-way loudspeaker system shall incorporate a twelve-inch low frequency loudspeaker and a compression driver mounted to a Constant-Coverage high frequency horn. The system shall meet the following performance criteria: Frequency range: 60 Hz to 20 kHz. Pressure sensitivity: 95 dB/1w/1m (LF), 109 dB/1w/1m (HF). Power Capacity: 300 watts continuous program above 60 Hz (LF), 70 watts continuous program above 800 Hz (HF). Horizontal coverage: 100 degrees between -6 dB points. Vertical coverage: 100 degrees between -6 dB points.

The cabinet shall be constructed of void-free birch plywood, stiffened internally and coated with fiberglass reinforced plastic. All exposed corners shall be rounded for damage resistance. Aircraft-type hanging fixture attachment points shall be installed through the cabinet to internal steel reinforcement plates. Six hanging points shall be provided. Each hanging point shall have a load rating of 2000 lbs. at 90 degrees to the fitting. Cabinet sides shall taper inward, front-to-back, at a 22½ degree angle to facilitate cluster grouping.

The two-way loudspeaker system shall be the JBL Concert Series model 4825.



## SPECIFICATIONS:

Components: 1-JBL 2204H low frequency transducer  
1-JBL 2344 Constant-Coverage Bi-Radial™ horn  
1-JBL 2425J compression driver

#### SYSTEM SPECIFICATIONS:

System Type:	Two-way externally-biamped loudspeaker system
Frequency Range (-10 dB):	60 Hz to 20 kHz
Frequency Response ( $\pm 3$ dB):	70 Hz to 17.5 kHz
Nominal Impedance:	LF: 8 ohms HF: 16 ohms
Power Capacity: (continuous pgm) <sup>1</sup> :	LF: 300 w (above 60 Hz) HF: 70 w (above 800 Hz)
Pressure Sensitivity: (1w, 1m, half-space):	LF: 95 dB HF: 109 dB
Coverage angles: (-6 dB points, nom.):	Horizontal: 100 degrees Vertical: 100 degrees
Maximum SPL (1m, continuous pgm.):	124 dB
Connectors:	ITT Cannon EP-8 type, one each male and female
Dimensions:	64 cm (25½ in) H 36 cm (14¼ in) W 46 cm (14 in) D
Weight:	29.5 kg (65 lbs.)
Finish:	Dark gray impregnated fiberglass-reinforced plastic, black steel protective LF grill

<sup>1</sup> Continuous program power is defined as 3 dB greater than continuous sine wave power and is a conservative expression of the transducer's ability to handle typical speech and music program material.

JBL continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.



Model 4825 with optional mounting tripod, MT4612.

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