

JBL SOUND POWER SERIES

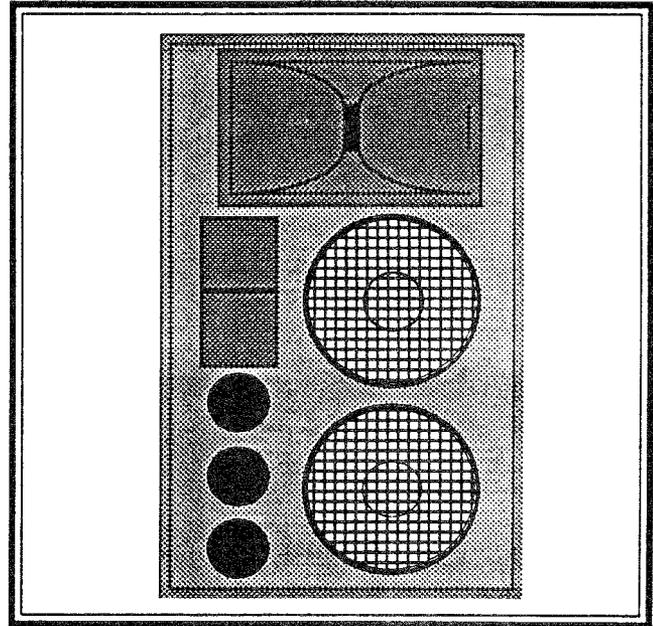
# 4750A

## HIGH POWER TWO-WAY FULL-RANGE SYSTEM

PRELIMINARY SPECIFICATION SHEET

### FEATURES:

- ▶ Smooth, accurate response from 40 Hz to 20 kHz
- ▶ High efficiency and power handling
- ▶ Tightly controlled 90° x 40° dispersion
- ▶ Wedge-shaped enclosure for arraying
- ▶ Rugged and attractive finish



The JBL 4750A is a two-way (standard) or three-way (optional) full-range loudspeaker system specifically designed for touring or installation in discotheques and medium to large sized venues. Consisting of two JBL 2206H 300 mm (12 in) high power, low distortion cone drivers mounted in a ported enclosure and one JBL 2445J 100 mm (4 in) titanium diaphragm compression driver mounted on a 50 mm (2 in) throat, 90° x 40° JBL 2380A Flat-Front Bi-Radial® horn, the 4750A will reliably deliver high maximum output, extended frequency response and excellent audience coverage.

Designed for bi-amplified use with a JBL 5235 or other active electronic crossover (protection capacitors are fitted internally), the 4750A is pre-drilled and wired for optional three way active operation with one or two JBL 2404H ultra-high frequency drivers. The ultra-high frequency section can be driven with an optional passive network where three-way active operation is impractical. Additionally, the 4750A may be used with the 4745A, 4748A, 4785A or 4788A Sound Power sub-woofer systems when extended low frequency performance is required.

Constructed from Finnish birch plywood, the 4750A cabinet is internally braced for maximum rigidity and durability. The use of large diameter ports prevents

compression effects and vent-induced air noise. The 4750A is finished in a durable dark grey acid-hardened paint, and the integral recessed cutout handles contribute to its streamlined, professional appearance. Both bass drivers have individual steel protective grilles in addition to a full-fitting removable black nylon grille covering the entire front of the enclosure.

The 4750A can be used alone, in pairs, or with other components of the Sound Power Series to create systems tailored to specific sound reinforcement needs. Several 4750A's may be tightly grouped in a cluster, providing uniform, wide angle coverage of 40° vertical and increasing in multiples of 30° horizontal because of the trapezoidal cabinet design.

Multi-way connectors ensure simple and secure system hook-up. One 8-pin Neutrik Speakon™ accommodates all input wiring, with a second 8-pin Speakon carrying loop-through signal for direct connection to additional 4700A Series systems. The heavy-duty rear connector panel features a threaded insert to accept an M12 safety eyebolt. JBL's special 8-conductor cabling is available as an option, featuring four different wire gauges for the four frequency bands. A wheeled dolly unit is available for transit protection.

# PRELIMINARY SPECIFICATIONS

## Model 4750A

Components	2 – JBL 2206H low frequency transducers 1 – JBL 2380A Flat-Front Bi-Radial horn 1 – JBL 2445J compression driver
Frequency range (-10 dB)	40 Hz—20 kHz
Frequency response ( $\pm 3$ dB)	50 Hz—17 kHz
w/optional 2404H Bi-Radial Ring Radiators	50 Hz—20 kHz
Enclosure tuning	47 Hz
Sensitivity	
Low frequency	101 dB (2.83 V, 1 m)*
High frequency	112 dB (2.83 V, 1 m)*
Power capacity	
Low frequency	1200 W (AES standard, 60—600 Hz)
High frequency	150 W (continuous program)**
Maximum SPL (1 m, continuous program)	TBA
Recommended crossover frequencies	800 Hz, 7 kHz, 40 Hz low cut
Coverage angles (-6 dB nominal)	90° horizontal 40° vertical
Nominal impedance	
Low frequency	4 ohms
High frequency	16 ohms
Connectors	2 – Neutrik Speakon NL8MPR
Dimensions	996 mm H x 620 mm W x 440 mm D (39 1/4" H x 24 7/16" W x 17 5/16" D)
Finish	Dark grey acid-hardened paint with black nylon grille
Net weight	60 kg (132 lb)

### Accessories:

N4751AP	Passive UHF Network (may be used with optional 2404H's)
4750ADL	Cover/Dolly
NL8FC	Neutrik Speakon Cable Connector, 8-Pin
NL8MM	Neutrik Speakon Coupler, 8-Pin
3700-8	8-Wire Speaker Cable
3705-8	8-Wire Speaker Cable, 5 m, with NL8FC Connectors
3720-8	8-Wire Speaker Cable, 20 m, with NL8FC Connectors
4700APNT	Touch-Up Paint

\* 2.83 V is 1 W across an 8 ohm load.

\*\* Continuous program power is defined as 3 dB greater than continuous sine wave 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.

