

L46 INSTRUCTION MANUAL

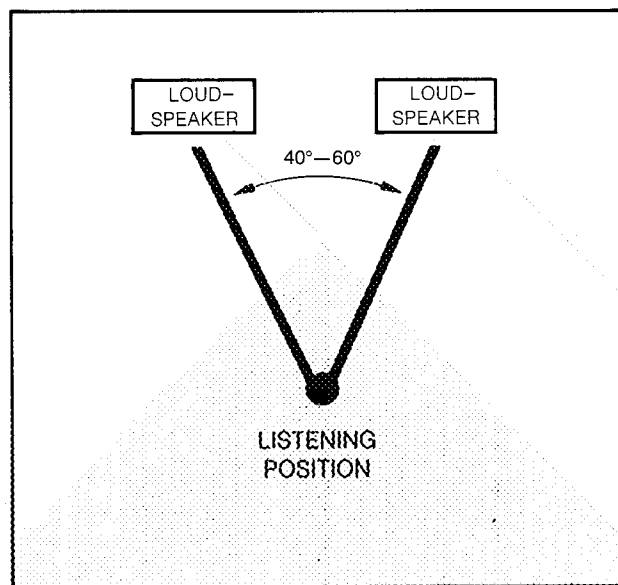


Thank you for purchasing a JBL product. Your new L46 loudspeakers will provide many years of excellent performance. The brief instructions in this manual explain proper placement and connections to help you get maximum enjoyment from your L46 loudspeaker systems.

PLACEMENT

For the best stereo reproduction, the two loudspeaker systems should be equally distant from your listening position and separated so that the angle between them, at the listening position, is 40° to 60° (See illustration.)

Placing the loudspeakers in a corner or against a wall will result in the strongest (but not necessarily the most accurate) bass. The L46 will also benefit from placement on a stand or shelf; for the best stereo imaging, we recommend that the systems be placed as closely as possible to the ear level of a seated listener. Every room is different—don't hesitate to experiment with placement in yours.



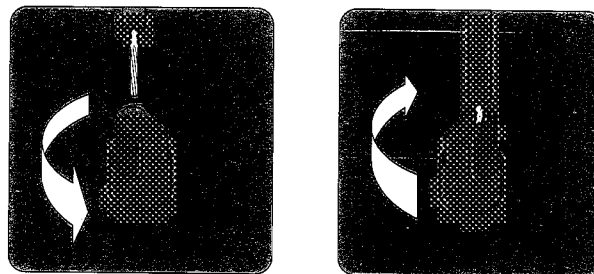
CONNECTIONS

To connect the loudspeaker systems to the receiver or amplifier, we recommend ordinary lamp cord, sold in hardware stores as #18 AWG (1 mm) insulated wire. If the speakers are to be placed more than 50 feet (15 m) from the receiver or amplifier, use larger-diameter wire.

The terminals on the back of the loudspeaker enclosure permit quick and sure connections. Strip approximately $\frac{3}{4}$ inch (20 mm) of the insulation from

the end of the wire and twist the strands together. Turn the terminal fully counterclockwise, insert the wire, then turn the terminal clockwise until the wire is secured. Rotate the terminal by hand and do not force it. (See illustration.)

For each channel, the red terminal on the loudspeaker should be connected to the red or (+) loudspeaker connection terminal on the receiver, and the black terminal on the loudspeaker should be connected to the black or (-) terminal on the receiver. Connecting the loudspeakers in this manner ensures that they will be in phase: that is, work together rather than in opposition. Connecting the loudspeakers out of phase will not damage them, but will result in less bass and poor imaging. Lamp cord usually has a ridge on one of its insulating jackets so that you can easily identify which wire is connected to which terminal.



The finish veneer of the L46 is American black walnut, treated with an oil/wax preparation and hand-rubbed to a rich, lustrous finish. Cleaning should be done with an untreated dust cloth; do not use conventional furniture waxes or polishes. The grille may be gently vacuumed, and stains can be removed with an aerosol cleaner, following the manufacturer's instructions. Do not use any solvents on the grille, enclosure surface, or baffle.

The grille is held in place by dowel pins near the edges. To remove it, grasp it by both top or both bottom edges and pull gently. To replace the grille, reposition it on the dowel pins and press gently at the corners. Do not push on the center area of the grille.

Should your loudspeaker system ever need service, return it to the JBL dealer from whom it was purchased. If for some reason this is impractical, write directly to the JBL Customer Service Department, describing the problem as fully as possible. Products returned to the factory must be sent prepaid to the JBL Customer Service Department, 8500 Balboa Boulevard, P.O. Box 2200, Northridge, California 91329 U.S.A.

GENERAL CARE

SPECIFICATIONS

System

Minimum Recommended Amplifier Power	10 watts per channel
Maximum Recommended Amplifier Power	100 watts per channel
Nominal Impedance	8 ohms
Crossover Frequency	3 kHz
System Sensitivity	88 dB SPL, 1 W, 1 m (3.3 ft)

Low Frequency Loudspeaker

Nominal Diameter	8 in (200 mm)
Voice Coil	1½ in (38 mm) copper
Magnetic Assembly Weight	3 lb (1.3 kg)
Flux Density	0.95 tesla (9500 gauss)
Sensitivity ¹	88 dB SPL, 1 W, 1 m (3.3 ft)

High Frequency Dome Radiator

Nominal Diameter	1 in (25 mm)
Voice Coil	1 in (25 mm) copper
Magnetic Assembly Weight	1½ lb (0.68 kg)
Flux Density	1.4 tesla (14,000 gauss)
Sensitivity ²	89 dB SPL, 1 W, 1 m (3.3 ft)

General

Finish	Oiled walnut
Grille Color	Brown
Dimensions	20¾ in x 12½ in x 10½ in deep 527 mm x 317 mm x 267 mm deep
Shipping Weight	29 lb (13 kg)

1. Averaged from 100 Hz to 500 Hz, within 1 dB.

2. Averaged above 3 kHz, within 1 dB.

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 this 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.



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