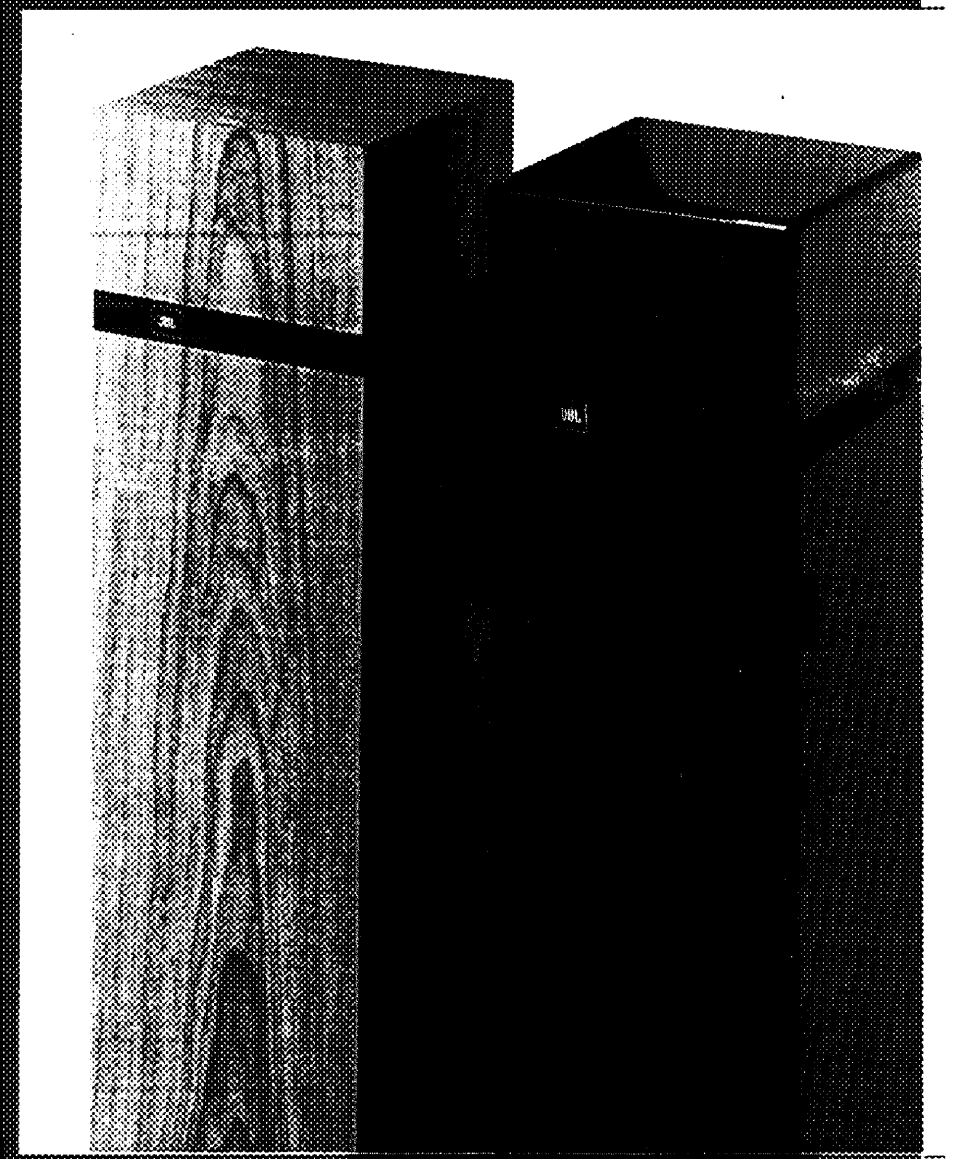

JBL

S119

Congratulations on choosing the JBL S119 Loudspeaker system.

JBL loudspeakers are designed using technology developed for JBL's latest studio monitor systems. The same low distortion, accurate, dynamic sound demanded by recording professionals is available for the home listener. Built with careful attention to detail, and with only the highest quality materials, your JBL speakers will provide many years of excellent performance.

The S119 system offers several performance advantages over conventional loudspeaker systems. The following instructions are provided to help you enjoy the full potential of these unique loudspeakers. Please take a few moments to read through this manual before installation and connection.

SYSTEM DESCRIPTION

The S119 is a two-way, floor standing expanded coverage loudspeaker system. System components consist of an 8 inch (200 mm) low frequency driver mounted near the top of the enclosure. The driver operates into a precisely designed deflection device which directs sound up through the midrange frequencies in a 360 degree horizontal pattern. Low frequency output is augmented by a tuned port located near the floor on the rear panel. High frequency reproduction is accomplished by four dome radiators located at the grille corners. The drivers are matched by a sophisticated dividing network employing a power protection device. The system exhibits low magnetic leakage making placement near video monitors permissible. The S119 is ideal for environments where visually unobtrusive loudspeakers are desired. It's open, spacious sound characteristic make the S119 the perfect choice for rear channel loudspeakers in a multi-channel audio or audio/video system.

CONNECTIONS

Important: *When connecting or disconnecting loudspeakers from an amplifier, the amplifier must be turned off. Making connections while the amplifier is operating could seriously damage the loudspeaker system and void the warranty. To connect the S119 to the receiver or amplifier, use two-conductor insulated wire. Your JBL dealer can recommend suitable cables, or you can purchase wire at most hardware stores. We recommend #16 AWG (1.3 mm diameter) stranded wire as a minimum size. If your speakers are more than 30 feet (10 m) from your receiver or amplifier, use larger diameter wire. Interconnects are an important component in an audio system. You may wish to audition and compare the performance of*

some of the specially designed audio cable and speaker wire available from your dealer.

In keeping with the S119's striking visual design, the input terminals are located on the bottom of the enclosure. It is recommended that the system be placed on it's side on a clean padded surfaced to gain access to the input terminals.
***CAUTION:** When handling the system always provide support to the enclosure just below the grille. Never apply force to the top of the enclosure above the grille line.*

The terminals are designed to accept bare wire or short pin connectors. To make a secure connection, strip approximately ¼ inch (6 mm) of the insulation from the end of the wire, pull down on the spring-loaded terminal lever, insert the bare wire into the exposed opening and release the lever. Make sure that all wire strands are contained within the terminal hole and that the wire is inserted up to the insulation. Wires should be directed to the edge of the enclosure through the recess provided in the base. For each channel, the red terminal on the loudspeaker should be connected to the red or (+) loudspeaker connection terminal on the amplifier or receiver, and the black terminal on the loudspeaker should be connected to the black or (–) terminal on the amplifier. Connecting the loudspeakers in this way ensures that they will work in phase; that is, work together rather than in opposition. Connecting the loudspeakers out of phase will not damage them, but will result in reduced bass response and poor imaging. Most two-conductor wire is color-coded or has a ridge on one of its insulating jackets, so that you can easily identify which wire is connected to which terminal.

When connecting more than one pair of loudspeakers to an amplifier or receiver, consult your dealer or amplifier manufacturer to ensure that the resulting load can be handled safely.

PLACEMENT

Since the acoustic characteristics of listening rooms differ widely, experimentation with placement will provide optimum realization of the wide sound dispersion pattern of the S119.

The dramatic spaciousness of the S119 can be most fully realized by locating the system 12 inches (30 cm) or more from a reflective surface such as wood paneling or an undraped wall. The system can be placed as close as 3 inches (75 mm) from a reflective surface, however, the sound quality will appear slightly less "open."

Low frequency response has been tailored to provide solid bass when the system is located away from the corner of a room. Corner placement will generally result in an unnatural accentuation of bass response.

For stereo performance, the two loudspeaker systems should be arranged symmetrically on each side of the listener. The exact distance between units is not critical. When choosing a location for the loudspeakers, remember, experimentation is the best procedure since room acoustics and taste vary widely. The S119 will provide excellent performance even when room acoustics are poor or room furnishings dictate unusual placement.

Used as rear channel speakers in a multi-channel audio or audio/video system, the S119 should be placed so that the sound field created will be broad and spacious. Generally rear channel speakers should be farther from the listening position than the primary or 'front' loudspeakers. Wide spacing between left and right rear speakers may create a more spacious effect. Experimentation, especially when an assistant is available to move the loudspeakers while listening, will yield best results. The S119 may serve as front and rear, or rear speakers combined with conventional loudspeakers as the front channel. If the S119 is used for the front channel combined with conventional loudspeakers in the rear, it is recommended that the rear loudspeakers be directed away from the listener to prevent the sound from the rear from becoming 'obvious' or obtrusive. This may be accomplished by placing rear loudspeakers on their back near the back of the room. Rear speakers placed this way may rest on the floor or on a shelf on the back wall.

GENERAL CARE

JBL loudspeaker systems are finished in selected wood veneers. Cabinet construction is of high density particle board, superior to solid wood in its acoustic properties. For maximum strength and resistance to vibration, all panels are cut from ¾ inch (19mm) stock, and joints are lockmitered.

Occasional dusting with a clean, soft cloth will maintain the original beauty of the walnut finish. Since moisture cannot penetrate the oiled surface, most household stains can be removed with a damp cloth. The surface should be treated only with wax specifically formulated for use on oiled finishes. Conventional furniture waxes, polishes, or cleaners are not recommended.

Lacquer Finish: The S119 is also available in a high gloss lacquer finish. The beautiful deep gloss finish is the result of a meticulous multi-step painting and polishing procedure. The

surface should be treated very carefully to avoid scratching the finish. Only lint free cotton cloths should be used for dusting. To remove fingerprints and smudges, an ammonia-free window cleaner may be used. Apply a small amount to a lint-free cotton cloth and gently clean the surface. Never use any abrasive cleaners or strong chemicals to clean the enclosure. In case of deep scratches or damage, please consult a qualified furniture repair shop.

SERVICE

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, contact your local JBL Distributor.

SPECIFICATIONS

Technical:

- *Impedance:* *8 ohms*
- *Sensitivity:* *86dB (2.83V, 1 watt, 1 meter)*
- *Crossover frequency:* *3,000Hz*
- *Power handling capability:* *100 watts*

Dimensions (H x W x D):

- *40⅜ in x 10 in x 10 in (1025mm x 254mm x 254mm)*

Net Weight (each):

- *45 lb (20.45 kg)*