



We make loudspeakers
correctly.

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CONGRATULATIONS!

You are now the owner of the best speakers ever made by Ohm Acoustics. I thank you for having made this selection and wish you many years of good listening.

Enclosed are the simple instructions for assembly and installations. It should take you less than an hour to set up and connect your speakers. It will take some experimenting with room placement and control settings to optimize their performance in your home. Do this at your leisure with a variety of music. No one setting is best for all rooms or we would have left the controls off the speaker.

Enjoy!

John Strohbeen
President

ASSEMBLY INSTRUCTIONS

Your Ohm Walsh 4 speakers come in three cartons. Two cartons each contain identical wooden cabinet bottoms. One carton has 2 grills, the right and left drivers, eight fastening knobs, eight washers and four threaded shipping rods.

Unpack the three cartons, removing all the cardboard packing material. The identical cabinet bottoms can be used for either right or left driver.

CONNECTING THE DRIVER TO THE BOTTOM

Each driver will fit onto the bottom in only one orientation, with the front of the driver (marked) toward the front of the bottom (with the Ohm logo). After fitting the driver onto the bottom, lift the driver off and move it to the front about four inches (10 cm). This should allow you to grasp the connector in the bottom in one hand and the connector from the driver in the other. Press the connectors together. If they do not fit, rotate one connector 180° — they are made to fit only one way so no mistake can be made. After the connectors are pushed tightly together, check the connection by gently trying to pull the wires apart. If properly connected, they should not separate because there is a locking hook on each side that can only be released by squeezing the connectors.

Now put the driver back onto the mounting bolts and fasten down the knobs and washers. Tighten the knobs firmly. If they are loose, the speaker performance will be impaired by leaking air.

The grills also fit only one way so the front will match the front of the speaker.

CONNECTING YOUR OHM WALSH 4 SPEAKERS

The inputs and controls are on the back of the speakers. These inputs can accept bare wire as large as 12 gauge or banana plugs. **IMPORTANT:** When connecting the speakers to the amplifier be sure the phase is consistent. The red terminal is the hot (+) input and the black terminal is the negative (-) input. A ridge or color coding above one side of each wire will help you. If one speaker is connected correctly and the other reversed, you will get poor bass response and a wandering imprecise stereo image. This is always worth double checking.

ROOM PLACEMENT

The placement of the speakers in your room affects the bass response and the stereo imaging ability. The bass control switch can generally compensate for the effects in the low frequencies. Speakers get more low frequency output near walls and corners, so the bass control can be set in the reduced position. When away from all walls, the increased position may be better.

The stereo image created by the Ohm Walsh 4 is probably the best available from any speaker in the world, particularly if more than one person is listening at the same time. Be sure to have the speakers with top marked "right front" on the right side and the top marked "left front" on the left side. The stereo image will appear spread completely from the right speaker to the left, so place the speakers as far apart as you desire the stereo scene to be wide. Occasionally, on exceptionally well made records, the stereo image will extend beyond the speaker spacing. The opti-

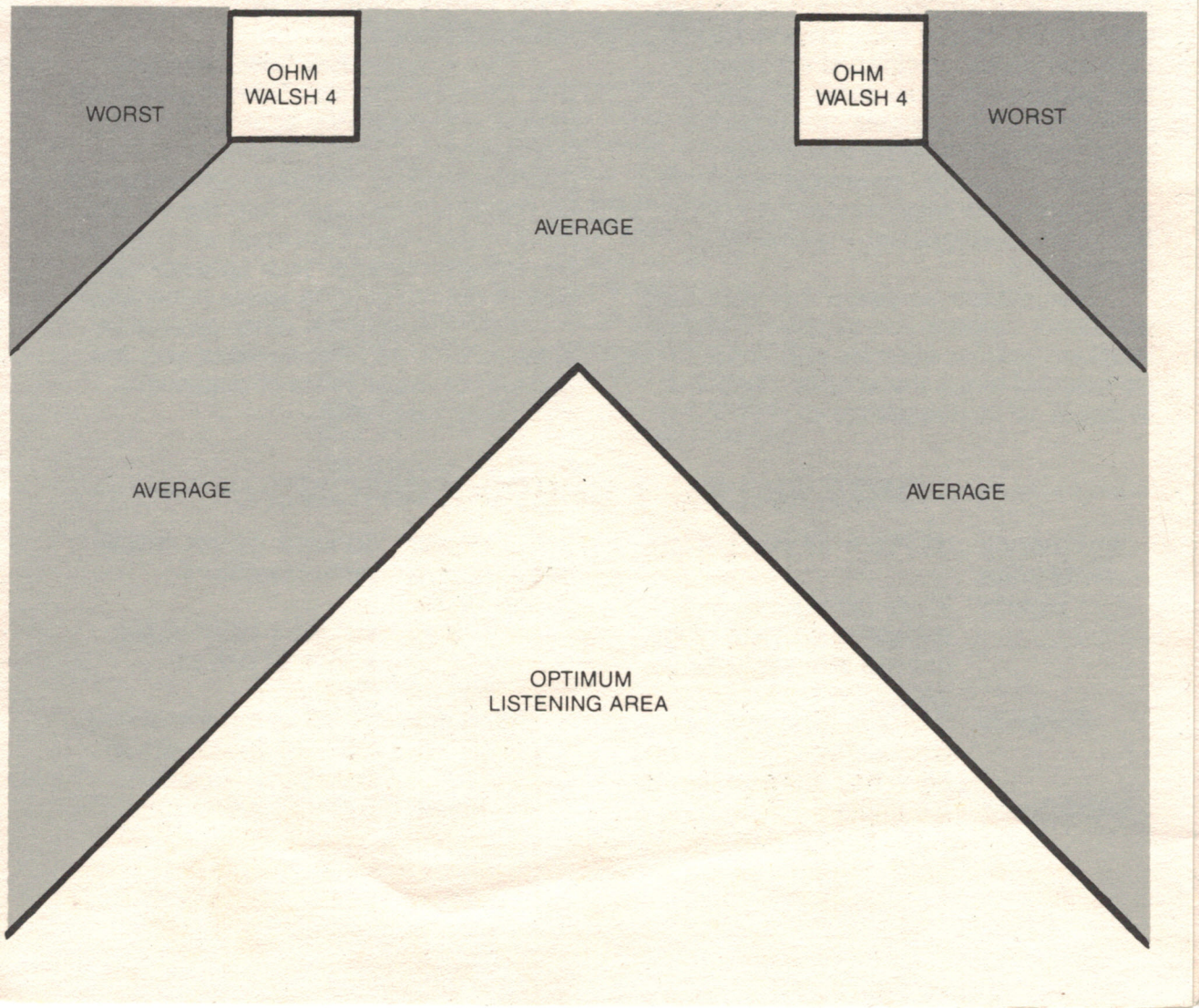
imum listening position is at least as far back as the speakers are separated and anywhere between them. See Figure "Top View."

The Ohm Walsh 4 has been designed to minimize problems caused by reflections from behind and beside the speakers. If there are very hard surfaces within 2 or 3 feet of the speaker it might

have some effect upon the stereo image. Experiment to get the best results. The speaker can be placed flush against the wall for most listening and easily moved forward on the casters for critical listening and evaluating new records or components.

Properly set up, your Ohm Walsh 4 will give you many years of great sound.

Listening Positions, Top View



CAUTION

Following these simple rules will insure you many years of enjoyment from your Ohm Walsh 4 loudspeakers.

The power handling capacity of your loudspeaker has been conservatively rated. Ferro Fluid and Ferro Lube™ cooling as well as thermal overload devices are built into the drivers to absorb momentary overloads.

Although your Ohm Walsh 4 is rated to be used with amplifiers of up to 500 watts per channel, it is possible to damage your loudspeakers with smaller units. Disco, heavy rock, crescendos in classical music, accidental dropping of the tonearm on your record or rapid changing of FM stations can drive an amplifier to produce an inordinate amount of distorted power (as much as 10 times the rated amount) which is fed to the loudspeaker — possibly damaging it.

Also please be aware that your bass and treble controls are simply frequency localized volume controls and should not be boosted when the volume control is in the 1/2 to 2/3 danger zone.

WARNING

Do not remove circular metal grill. The Ohm Walsh 4 incorporates several critically placed tufflex transmission blocks. This acoustically transparent metal grill has been permanently bonded to its housing in order to protect precise alignment and performance of these blocks. Removal or damage of the grill will seriously impair performance and void warranty.

ATTENTION

Your Ohm Walsh 4 is well-protected

This speaker has been equipped with an extra Thermo-Guard™ protection device. If the speaker approaches thermal overload (usually the result of clipping a low-power amplifier) its output will be drastically reduced. Turn the amplifier power down, and the circuit will reset in two minutes or less. Your speaker will play at normal volume levels once again.

With this and the other protection systems built into this speaker, you are assured of many years of enjoyment.

Good Listening!

OHM WALSH 4 SPECIFICATIONS

Frequency Response	32 Hz - 17 Hz ± 4 dB	Power requirement on Music	50 watts minimum/500 watts maximum
Inputs	Press connectors accepting banana plugs or bare wire up to 12 gauge.	Size	40" tall x 12½" at top, x 15½ at bottom
Controls	3 — low, high and perspective each has three positions	Weight	63 lbs
Impedance	4/4 ohms	Efficiency	87 dB at 1 meter with a 2.83 volt input with all controls at maximum
		Finish	Genuine wood veneer.