

MUSIC TO YOUR EARS



Ohm Walsh Loudspeakers

How Ohm Walsh Loudspeakers Succeed

These speakers are named after the late Lincoln Walsh who had a unique theory on loudspeakers. His theory says that a loudspeaker's radiating surface does not behave like a piston, nor can it be made to. Rather it behaves like a wave transmission line.

To illustrate, we generate a single pulse at the input terminals of a conventional speaker (Figure 1). It travels through the cone at a slower speed (subsonic) than does the pulse when it is in the air along the same path. Result: the sound wave, made up of time delayed fragments, arrives at your ears out-of-sync, causing stereo ghosts.



Figure 1



Figure 2

This problem is further aggravated by the use of multiple drivers (Figure 2).

Now look at the unique inverted main transducer of the Ohm Walsh loudspeaker (Figure 3). We generate the same pulse as before. Observe that it travels through the cone at a faster speed (supersonic) than the pulse entering the air along the way. Result: a single pulse with perfect dispersion, so you can sit anywhere in your room and hear everything correctly.



Figure 3

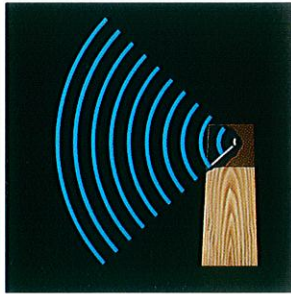


Figure 4

Our patented design mates an inverted driver to a super-tweeter supplementing the highest octave. They are in time and phase alignment resulting in a single non-interfering wavefront at all listening positions (Figure 4). This perfect alignment is what prompted The Washingtonian to say "...the Walsh 2s are among the best 'imaging' speakers at any price, which means they create the original setting in which the music was recorded—evoking the broad expanse of an orchestra or the compact spacing of a jazz combo..."

Look Inside An Ohm Walsh Speaker

- 1 Large inverted conical surface.**

Radiates in perfect synchronization from the lowest bass to the treble range. Proprietary design gives a lifelike stereo image from any listening position.
- 2 Sub Bass Activator.[™]**

Provides precise control of bass response for optimum matching of low frequency output in any room.
- 3 Perspective Control.**

Allows you to move the stereo image so that you can effectively change your seat in the audience from up front to the rear of the hall.
- 4 Tufflex transmission block.**

An integrated, acoustically absorbant assembly, critically placed for wave termination. Contributes to precise imaging by terminating unwanted radiation paths.
- 5 Ferro Fluid and Ferro Lube[™] cooling.**

Insures maximum speaker reliability by removing excess heat from voice coil assembly at high levels.
- 6 Vent.**

Optimizes efficiency of deepest bass for maximum performance.
- 7 Protection circuits.**

Provides increased reliability during momentary amplifier overloading. Thermo-guard[™] protection device momentarily shuts down speaker when driven beyond its rated capacity.
- 8 Acoustic insulation.**

Eliminates effects of standing waves within enclosure for linear response throughout the mid-range.
- 9 Unique high frequency driver.**

Created to reinforce the highest frequencies of the main unit. Reproduces overtones with lifelike clarity and transparency.
- 10 Acoustical attenuator.**

Significantly reduces rear output of main unit for ease of room placement.
- 11 One of Eight wooden braces.**

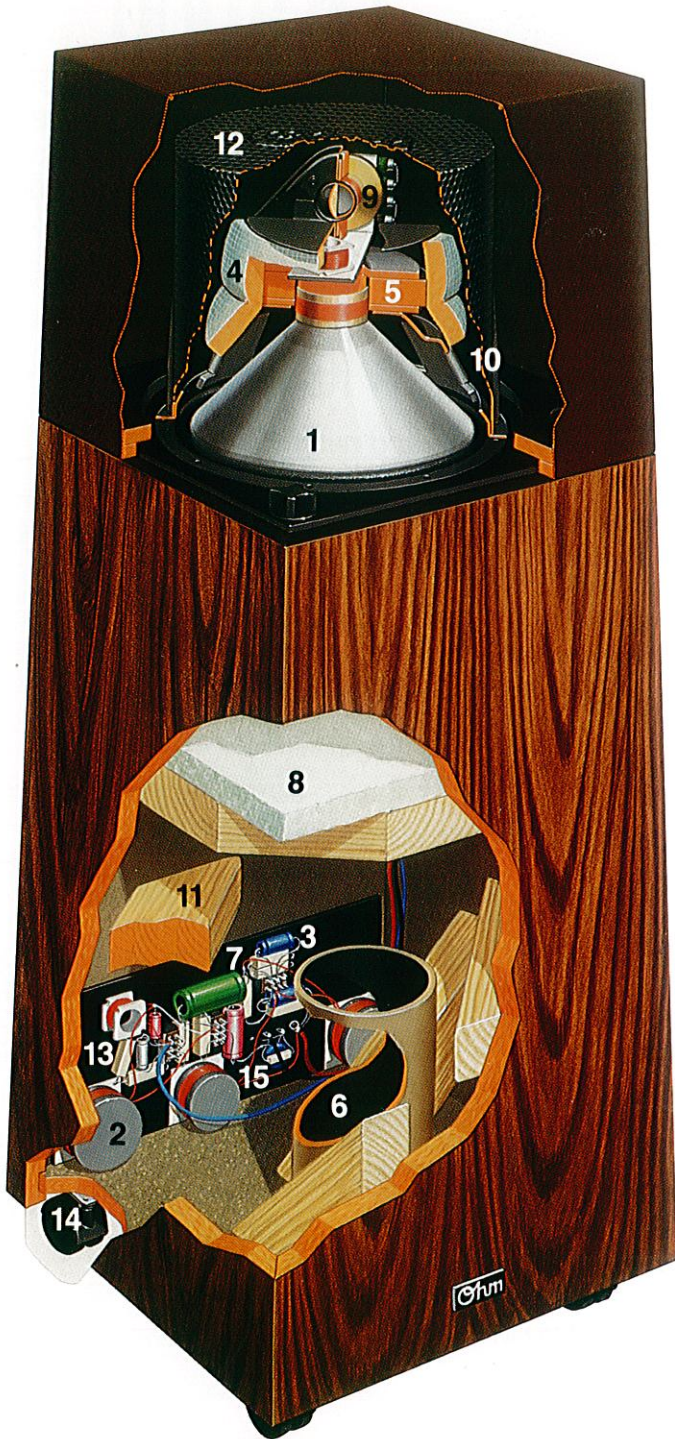
Assures resonance free, well defined bass.
- 12 Acoustically transparent circular metal grill.**

Protects and houses all critical components for lifelong durability.
- 13 High frequency balance control (3 position).**

Matches the loudspeaker to your room.
- 14 One of four casters.**

Makes it easy to place speaker without lifting.
- 15 Banana plug or pin connector input terminal.**

Dual connector allows use of any standard type connector including bare wire.



Ovation

"The Ohm Walsh 2 is clearly a speaker for the serious music lover... The measured response of the Ohm Walsh 2 was among the smoothest we have encountered, varying by plus or minus 3.5 dB from just below 35Hz to 17kHz..."

Stereo Review

"The Ohm Walsh 4 is as smooth and natural sounding as its excellent frequency response measurement suggests. It provides a full stereo stage of sound at almost any position in the room, including a distinct quality of depth... In case I have not made the point sufficiently clear, this is a superb-sounding speaker—not inexpensive by any means, but worth every cent of its price."

**W
I
F** **SENSIBLE
SOUND**

"These speakers look good, sound good and image like gangbusters, definitely worth an audition."

HIGH FIDELITY

"They can hold their own against the finest speakers we know in every respect except, perhaps, sensitivity. And in some—imaging particularly—we feel they are conspicuously appealing."



“... a “fun” speaker because of its imaging, it is also musically honest compared to much of the higher priced competition.”

audio &electronics digest

“As you might expect, the stereo image was stable with excellent location and an unusual sense of spaciousness.”

Popular Mechanics

“The net effect is a wonderful sense of total immersion in sound. Add to this the exquisite clarity of the treble and ample bass, free from false boominess, and you have a speaker that speaks the musical truth... meets the ultimate audio test: It makes you unaware of its presence. You feel there’s nothing between you and the music.”

Audio

“... these Ohm Walsh 2 speakers certainly must be rated a “best buy.””

The Ultimate Limited Edition



Ohm Walsh 5

The Ohm Walsh 5 is the best speaker Ohm has ever made. There will only be 500 pairs produced worldwide in a signed and numbered edition.

Unique patented design provides full room stereo imaging

Largest Ohm Walsh inverted driver allows live concert sound levels in the home with superb stereo imaging and natural vocal reproduction

Controlled dispersion makes for flexible room placement

Ferro Fluid cooled drivers give 1000 Watt headroom on CD's

Lead lined cabinet assures rock solid deep bass

Thermo-Guard™ protection insures against long term overloading

Limited Warranty: 5 years

Titanium supertweeter has extended high frequency response beyond 25,000Hz

Gold connectors produce perfect loss free electrical connections

5 way gold input terminals permit easy connection of exotic cables

3 position Sub Bass Activator™ control allows you to adjust bass response to room placement

3 position high frequency control adjusts high frequency response to room characteristics

3 position perspective control allows you to choose your "seat" in the concert hall from front row to balcony

Monster Cable® wiring maintains the lowest internal power losses

Cabinet mounted on casters for ease in moving the 95lb speakers

Choice of genuine oak or walnut veneers standard, optional rosewood or teak veneer and black or white lacquer finishes available to compliment your room decor

Frequency response: 25Hz to 25,000Hz

Sensitivity: 88dB for 2.83v input

Impedance: 4 Ohm

Size: 17½" x 17½" at bottom tapering to 13½" x 13½" at top, 43" tall

Weight: 95lbs

Power requirement on music: Minimum 100 watts, Maximum 600 watts

Price: Under \$4800 per pair

Speaker of the year

Audio Video
International
1984



Ohm Walsh 4

Unique patented design provides you with full room stereo imaging

Ohm Walsh inverted driver assures you of superb stereo imaging and natural vocal reproduction

Controlled dispersion makes for flexible room placement

Ferro Fluid cooled drivers give you 700 Watt headroom on CD's

Thermo-Guard™ protection assures long life

Limited Warranty: 5 years

Input connectors accept banana plugs or bare wire

Controls: 3 position Sub Bass Activator,™ 3 position high frequency, 3 position perspective

Cabinet mounted on casters

Choice of genuine oak or walnut veneers standard, optional rosewood veneer and black or white lacquer finishes available

Frequency response: 32Hz to 20,000Hz

Sensitivity: 87dB for 2.83v input

Impedance: 8 Ohm

Size: 15½"×15½" at bottom tapering to 11¾"×11¾" at top, 40" tall

Weight: 63lbs

Power requirement on music: Minimum 50 watts, Maximum 500 watts

Price: Under \$1998 per pair

Value Leader



Ohm Walsh

Unique patented design provides you with full room stereo imaging

Ohm Walsh inverted driver assures you of natural vocal reproduction and superb stereo imaging

Controlled dispersion makes for flexible room placement

Ferro Fluid cooled drivers give you 300 Watt headroom on CD's

Thermo-Guard™ protection assures long life

Limited Warranty: 5 years

Input connectors accept banana plugs or bare wire

Controls: 3 position Sub Bass Activator,™ 3 position high frequency, 3 position perspective

Cabinet mounted on casters

Choice of genuine oak or walnut veneers standard, optional rosewood veneer and black or white lacquer finishes available

Frequency response: 36Hz to 20,000Hz

Sensitivity: 85dB for 2.83v input

Impedance: 8 Ohm

Size: 13½" x 13½" at bottom, tapering to 10½" x 10½" at top, 36" tall

Weight: 48lbs

Power requirement on music: Minimum 40 watts, Maximum 200 watts

Price: Under \$1398 per pair

Speaker of the year

Audio Video
International
1982



Ohm Walsh

- Unique patented design provides you with full room stereo imaging
- Ohm Walsh inverted driver assures you of natural vocal reproduction and superb stereo imaging
- Controlled dispersion makes for flexible room placement
- Ferro Fluid cooled drivers give you 200 Watt headroom on CD's
- Thermo-Guard™ protection assures long life
- Limited Warranty: 5 years
- Input connectors accept banana plugs or bare wire
- Controls: 3 position Sub Bass Activator,™ 3 position high frequency
- Choice of genuine oak or walnut veneers standard, optional rosewood veneer and black or white lacquer finishes available
- Frequency response: 44Hz to 20,000Hz
- Sensitivity: 87dB for 2.83v input
- Impedance: 4 Ohm
- Size: 11½" x 11½" at bottom, tapering to 9¼" x 9¼" at top, 32½" tall
- Weight: 29lbs
- Power requirement on music: Minimum 30 watts, Maximum 120 watts
- Price: Under \$998 per pair

Lowest Priced



Ohm Walsh

Unique patented design provides you with full room stereo imaging
Ohm Walsh inverted driver assures you of natural vocal reproduction and superb stereo imaging
Controlled dispersion makes for flexible room placement
Ferro Fluid cooled drivers give you 120 Watt headroom on CD's
Thermo-Guard™ protection assures long life
Limited Warranty: 2 years
Input connectors accept banana plugs or bare wire
Genuine walnut veneer standard
Frequency response: 48Hz to 20,000Hz
Sensitivity: 87dB for 2.83v input
Impedance: 8 Ohm
Size: 11½" x 11½" at bottom, tapering to 9¼" x 9¼" at top, 32½" tall
Weight: 24lbs
Power requirement on music: Minimum 20 watts, Maximum 90 watts
Price: Under \$598 per pair

Prices and specifications subject to change without notice.

All the words in the world can't describe what listening to Ohm Walsh loudspeakers is like. So visit one of the authorized dealers below. It's an experience your ears won't forget.

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