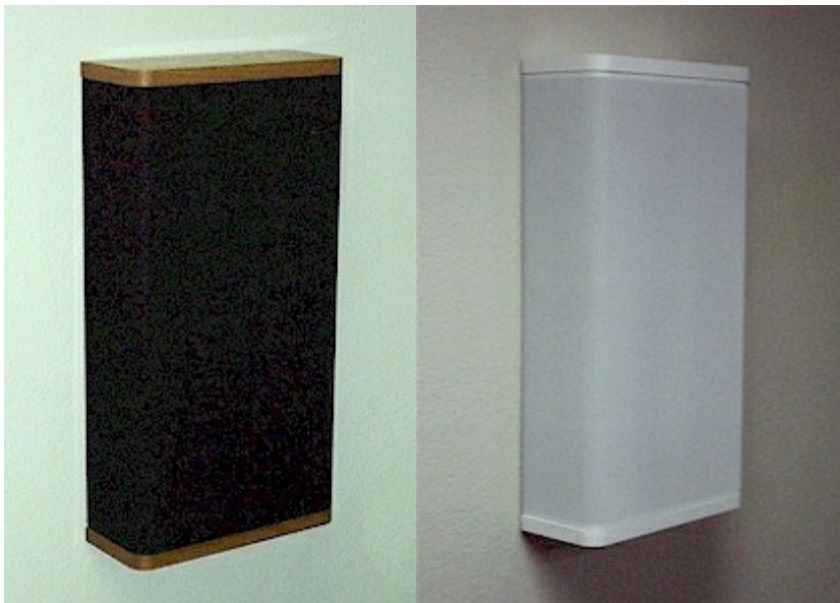


VANDERSTEEN

THE MODEL VSM-1

THE OPTIMUM SURROUND SPEAKER

The Vandersteen VSM-1 is an advanced surface-mount loudspeaker optimized for the unique requirements of the rear channel positions in a multi-channel audio/video system. It was developed and refined by twenty years of intensive research into loudspeaker design and multiple speaker integration. Its innovative engineering, superior components and quality construction provide true high-fidelity performance.



ALIGNED COAXIAL DESIGN

With stereo, imaging became part of home music reproduction. Today, modern multi-channel systems can add the third dimension and create an expansive, realistic soundfield. The way to do this in a large, purpose built studio is with four identical full-range speakers and a center speaker. Most homes however, do not have the room to place the rear speakers where their drivers can fully converge and properly align at the listening positions. Without this

critical alignment, the rear speakers will not match the time, phase or amplitude of the front speakers. (i.e. timbre and voicing)

The VSM-1 is the optimum rear channel speaker for these situations. Its coaxial woofer and tweeter share the same acoustical center so they are always perfectly aligned and converge within inches. When wall mounted in a typical living room, VSM-1s provide a superb timbre and voice match to Vandersteen center and floor standing speakers. They maintain this essential match regardless of their placement or proximity to the listeners. Their immunity to multi-driver interference insures consistent performance through the listening environment.

APPLICATIONS

In addition to perfectly complementing Vandersteen front speakers in a matrixed multi-channel system, the VSM-1 joins the VCC-1 center speaker in exceeding all the requirements of the discrete multi-channel formats (AC-3, DTS, etc.) Its innovative

crossover circuitry insures that it can safely handle the high-power, low-frequency information the discrete formats send to the rear speakers. Its front-firing, single driver configuration provides a high dynamic range without the multi-driver interference and distortions of bi-polar designs.

With its combination of convenience and performance, the VSM-1 can also be used as a high quality remote speaker in multi room installations. Mated with the appropriate subwoofer, it is a superb full-range main speaker for domestic situations where larger speakers are not practical. In any situation, the VSM-1's moderate size and versatile placement options allow it to be successfully integrated into the decor of your home.

COMPONENTS

The VSM-1 combines classic strength and durability with innovative design and materials. Its coaxial driver uses a rigid, acoustically inert cast-metal basket to improve cone movement accuracy and reduce sympathetic resonances. The 6 1/2 inch woofer's filled polycone insures high internal stiffness while the 1-inch alloy dome tweeter is ferrofluid cooled to increase power handling and critically damped for smooth response.

The transient-perfect, first-order crossover's computer-grade components, including high-quality film capacitors in the signal path, are hand soldered on a double-sided, plated-through circuit board for superior consistency and reliability. The input block is directly soldered onto the circuit board and the driver elements are connected with custom high-purity wire for maximum signal transfer.

The enclosure is constructed entirely of MDF, a pressure-formed material that effectively resists vibration and controls cabinet resonances. The unique mounting system uses the speaker's own mass to hold it tight against the wall for proper coupling and stability.

DRIVER

Aligned coaxial design with a 6 1/2" die-cast basket polycone woofer and a 1" critically-damped, alloy dome tweeter.

SPECIFICATIONS

Even with advanced test equipment and complex computer analysis, loudspeaker design remains an incomplete science. No measurements currently available can fully convey the sound of a speaker or provide a meaningful comparison between differing designs. The truth is in the listening.

- **CROSSOVER:**
3500Hz. 6dB per octave.
- **PHASE:**
The woofer and tweeter are both in positive phase.
- **IMPEDANCE:**
8 ohms nominal. 5 ohms minimum.

- **EFFICIENCY:**
86dB at 1 meter with a 2.83 volt input.
- **RESPONSE:**
60Hz to 21kHz 3dB
- **AMPLIFICATION:**
30 to 100 watts per channel into 8 ohms.
- **CONTROL:**
Treble contour control.
- **INPUT:**
Heavy-duty terminal block.
- **MOUNTING:**
On-wall at any height or lateral position. Wall brackets and hardware are included with the speakers.
- **AVAILABLE FINISHES:**
All standard Vandersteen finishes and grille colors plus new white with perforated metal grille. The white end caps and metal grille can be painted to match the speakers' surrounding.
See your dealer for custom finishes to match your existing furniture or room decor.
- **DIMENSIONS:**
12 1/8" wide, 23 5/8" high, 5" deep.
- **WEIGHT:**
31# net/each, 68# gross/pair.
- **WARRANTY:**
One year, extendable to five years by registering the free optional warranty within 30 days of purchase.

Specifications and design are subject to change without notice due to our ongoing research and development program.

Please contact Vandersteen Audio for complete product information and performance graphs.