

ONE

MARKAUDIO SOTA

Viotti One is Markaudio-Sota's flagship standmount loudspeaker. An advanced unconventional 2-way design, it combines Italian styling flare with British engineering-led design and Hong Kong / Chinese entrepreneurship.



VIOTTI ONE

Key features include:

- Curved laminated dual-core panels and cutting-edge polymers for maximum strength and acoustic stability
- Custom-designed symmetric-technology wide-range drive units
- Four luxurious lacquered finishes
- Dedicated matching stand

Styling

Viotti One was styled by Andrea Ponti, an Italian designer who works extensively in Europe and Japan. Andrea's concept for Viotti One blends the fluid curves of 1950s modernism with cutting-edge wraps for an elegant, minimalist look. Viotti One is available in four luxurious lacquer finishes: light oak, dark oak, white piano-lacquer and black piano-lacquer. These are true lacquer finishes, with seven hand flatted and polished layers for a deep shine.



Cabinet Engineering

The Viotti One cabinet uses advanced dual-core laminate construction to optimise the stiffness and mass of the structure, eliminating unwanted panel resonances.

The drive units are acoustically isolated from each other to prevent cross-interference. The smaller high frequency driver is given its own aerodynamically-shaped sub-chamber, while the larger bass-mid unit uses the main vented cabinet volume. Viotti One's crossover network is also isolated in its own dedicated chamber for maximum performance.



The Drive Units

Viotti One uses two custom high-performance drive units: the Sota 11 and Sota 5. Designed by Mark Fenlon, the British engineer who created the internationally acclaimed Alpair product-range, they are true wide-range drivers. Both can reproduce bass notes, and have high frequency extension beyond the upper limit of human hearing. Uniquely, our drivers share the same cone profile. We have called this our 'Symmetrical Sound Field' approach, where the drivers have the same radiating behaviour ('dispersion'). This eliminates the unnatural changes in behaviour often found when very different types of driver are used. The large radiating areas also help generate extremely realistic 'body' and 'depth' that conventional loudspeakers often struggle to reproduce.

Specification

- Range 40Hz – 25KHz anechoic
- 88.5dB 1w @ 1m
- 1 x Sota 5 wide-range cone tweeter,
- 1 x Sota 11 wide-range cone bass-mid

4 x Colour patches available

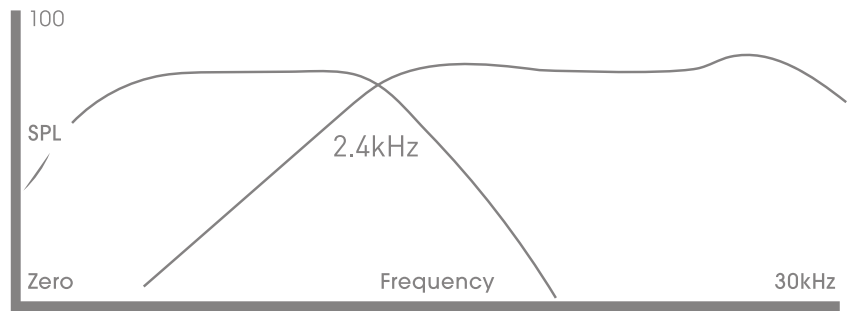


< light wood >

< dark wood >

< black >

< white >



The Crossover Network

The Viotti One crossover network is a low-order design using just five components to reduce electrical interference and losses. It exploits the exceptional range and symmetrical dispersion of our custom drivers by using gentle, second-order filters. These blend the drivers together more naturally, and have superior power-response characteristics to the steeper filters often used.

The crossover components are mounted on a custom printed-circuit board with heavy-gauge tracks for minimum losses. Key features are polypropylene-film capacitors with pure-silver wires and two different types of inductor, optimised for their different functions. All components are to exceptionally close tolerances and the crossover is isolated in its own sub-chamber for optimum performance.

Frequency Response and Room Positioning

Viotti One is designed to provide high quality sound across a wide arc, making it a very practical 'real world' loudspeaker. Since modern living often needs speakers to fire directly forward into the room, we have designed a lift into the high frequencies when the speaker is aimed directly at the listener. This flattens out as the listening position moves away, or 'off-axis' resulting in extended, neutral and airy treble response over a broad range of sitting positions. The balance can be easily adjusted to taste with very small changes in the angle of the speakers.

Viotti One also features a technique often used in broadcast monitors, where a small reduction of energy is made in the critical midrange. This gentle sculpting is particularly effective with our unique drivers, with their large radiating areas and symmetrical behaviour, and helps create a natural, lifelike balance while reducing harshness on poorly mixed and compressed recordings.

