OPERA
LOUDSPEAKERS

OPERA Grand Mezza V2

Introduction

The Grand Mezza partially revisits the distinctive features of the Superpavarotti, a design developed in the late 1990s. That earlier model was notable for its remarkably extended low-frequency response despite using small-diameter drivers, as well as for its impressive soundstage reproduction. While the Grand Mezza follows the same design philosophy, it now benefits from significantly more advanced drivers—still only 5 inches in diameter.

The Cabinet

Like the other models in the new Serie Classica V2, this cabinet was designed to minimize internal reflections and coloration caused by side-wall vibrations, especially given its tall, vertical structure. Precise testing using accelerometers and lasers enabled the use of acoustically neutral reinforcements placed at two critical points.

The wall of the first internal chamber—located behind the two woofers—is sharply angled to optimize the distribution of internal reflections in the most sensitive frequency range. The loading system used is the same as in the previous model: a dual-chamber, series-connected resonator (DCAAV). Unlike traditional bass-reflex systems, this approach allows for extended low-frequency response, a gentler roll-off at the extreme low end, and reduced driver excursion.

A special high-density polyurethane, combined with the cabinet's shape, helps to minimize internal coloration to the greatest possible extent.

The Speakers

The two 5-inch midwoofers, developed in collaboration with Denmark's Scan-Speak, retain some of the qualities of the previous generation but benefit from a larger cone diameter and significant improvements thanks to advancements in driver technology and the cabinet’s exceptional linearity. The result is a well-balanced tonal character across the low and mid-bass ranges, outstanding clarity, and the expressive vocal presence that has become a hallmark of OPERA speakers.

The tweeter used is the same model featured in the other speakers of this series. It is based on a standard unit that has been specially reinforced in the moving assembly to prevent tonal shifts in the upper frequencies, even at high listening volumes.

The Crossover Filter

The crossover filter is built using top range components and features a specially designed network for the two midwoofers, which operate almost entirely in parallel in the low-frequency range. The inductors are extremely low-loss, minimizing attenuation and preserving detail in the signal to the midwoofers.

With internal coloration significantly reduced, the crossover design was able to remain relatively simple while still achieving steep acoustic slopes—particularly in the transition between the upper midwoofer and the tweeter. Carefully tuned acoustic phase alignment, both on- and off-axis, contributes to precise soundstage layering and an incredibly immersive listening experience.

The PCB has been completely designed by us, with a layout and component positioning that faithfully preserves the performance characteristics observed in the prototypes. Finally, the internal wiring between the crossover and the drivers uses thick-gauge, high-purity copper cable to ensure optimal signal integrity.

Technical specification

	Grand Mezza V2
Type	Two and a half way Double resonator Floorstanding Speaker
Drivers	**Tw** 26 mm Soft Dome Tweeter Double Ferrite Magnet, Alu Front plate **Mid/Woofer** 150mm Black anodized Alu Cone Ferrite Magnet **Woofer** 150mm Black anodized Alu Cone Ferrite Magnet
Sensitivity (2.83V/1m)	92 dB
Frequency response (-3 dB)	48Hz - 28000Hz
Nominal impedance	6 Ohms
Minimun impedance	3.8 Ohms
Maximun power:	100W without clipping
Recommanded amplifier power	25-130W
Crossover frequenciency	250-2000 Hz
Dimension	Cabinet only: 201x1050x375mm (lxhxd) Loudspeaker with base: 262x1107x427mm (lxhxd)
Net Weight	35 Kg