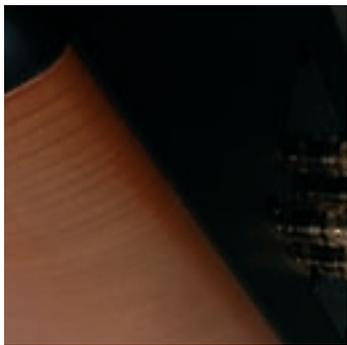
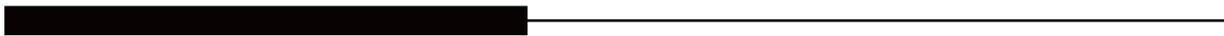




LINEA CLASSICA





THREE NEW MODELS FROM OPERA (PRIMA, SECONDA & QUINTA)

The new Opera Linea Classica uses luxurious materials and high quality drive units to offer excellent sound quality and finish. All three new Opera models share the same drive units. The new 6" woofer is developed by Seas specifically for Opera. It consists of an aluminium cone with a rubber surround that gives an extremely flat frequency response free from sub-harmonics, diaphragm break-up and rim resonance. The coil is wound on an aluminium former for improved power dissipation and an ABS phase plug cancels out any problems incurred by the dust cap. The tweeter is also a Seas design and is a 1" fabric dome design with a large decompression chamber and contains magnetic fluid in the air gap. There is a fourth order high pass filter circuit which guarantees a frequency crossover of around 2.3kHz with low distortion and optimum dynamics.

The cabinet is constructed from MDF and the curved sides are veneered using real wood and a high quality lacquer finish in the best Italian tradition. The top and rear of the cabinet, as well as the slimline front baffle, are all finished in leather.

All the designs are two-way, due to the crossover implementing either a near-parallel (Seconda) or near-series (Quinta) system. Whilst each model is similarly voiced for optimum system matching, the power handling, dynamic range and maximum SPL increase with the number of drive units employed.

Extra special attention has been paid to the impedance curve. Minimum impedance for the Prima and Seconda is higher than 3.9ohm (with a very low phase angle), whilst the maximum impedance does not exceed 10ohm. This results in a true nominal 4ohm design. The impedance of the Quinta is extremely smooth, ranging from 7 (@100Hz) to 5.9ohm (@20kHz), with almost no phase angle whatsoever. This results in a true 8ohm loudspeaker, dispensing with the need for high current amplifiers and expensive cable and creating an easy match for both valve and solid state amplifiers. All Linea Classica models boast high quality bi-wirable, gold-plated connectors.





Prima

The Prima is an attractive two-way, bass reflex, medium-sized standmount model. It has an open and detailed sound with very good scale and bass weight for its dimensions and is front-ported, so close proximity placement to rear walls is possible for optimum room compatibility.

System

Opera Prima ("First" in Italian) is the smallest model in the Linea Classica series: it is a 2-way bass-reflex loudspeaker of about 13 internal litres, designed to be placed either on a shelf or stand, and characterised by good extension of the frequency response towards lower frequencies. The loudspeaker is equipped with four bi-wire ready gold-plated connectors of large diameter.

The Cabinet

The Opera Seconda cabinet is designed with rounded edges, using quality MDF, and finished with finely polished real wood veneers. The front, top and rear panels are covered with manufactured leather, which beyond aesthetic qualities, also work as damping for the loudspeakers. The front panel, following Opera's tradition, is thick enough to properly control the drivers.

In this model, seeing as the loudspeaker was designed to be placed on a stand or shelf, the reflex port is located on the front panel.

The cabinet interior is filled with quality acrylic wadding in order to control the extended frequency response, while lowering internal reflections.

The Components

All Linea Classica models use the same drive units; the one inch tweeter (the same used in the Callas SP) is a silk dome unit, with ferrofluid in the air gap and a wide rear decompression chamber. The qualities of this SEAS tweeter are well known and appreciated. The woofer, also made by SEAS, was developed specially for this line of loudspeakers. It is a 6.5 inch unit with 18cm chassis, 38mm voice coil, aluminium diaphragm and rubber outer suspension. It has a dynamic mass appreciably higher than the norm, and an impedance of 4 ohm. Two copper rings are fitted above and below the T-shaped pole piece, which both reduce distortion and stabilize the magnetic flux. Finally, the bullet-shaped phase plug in ABS helps to dissipate heat and overcomes compression effects associated with normal dust-caps. It also improves emission at the high-frequency end of the unit's range. The cast chassis, of aerodynamic design, is fully open even beneath the inner suspension.

The Crossover

In designing this new "Classic Series", particular attention has been paid to the electrical impedance. In particular, we wanted to guarantee a load condition compatible with any type of amplifier.

In order to do so, the impedance minimums have been kept within the limits allowed by the DIN regulation that provides that, for a nominal 4 ohm loudspeaker, the impedance does not fall below 3.2 ohm.

The electrical impedance modulus of Opera Prima is always over 3.8 ohm, and the progression is regular with contained phase rotations.

Room Positioning

The Opera Prima has been designed to be placed either on a solid shelf or a quality stand (the latter available from Opera). In any case, we advise against placing the loudspeakers in a corner, and one needs to keep a minimum distance of at least 30 cm (12") from the side walls. If the loudspeakers are put on stands, the best position within your surroundings will be found with a little experimenting.

Available in the following finishes:



Mahogany



Cherry



Piano Black





Seconda

The Seconda is a very interesting two-way design that uses two separate sealed chambers in an 'infinite baffle' configuration with no bass reflex port. This closed box design results in fast and taut bass response combined with detail and weight. Again, due to the design of the speaker room placement is not a problem.

System

Opera Seconda ("Second" in Italian) is the intermediate model of the Linea Classica series. It is a 2.5-way floorstander in a sealed cabinet - characterised, thanks to two woofers assembled in pneumatic suspension in separate chambers, by excellent response and authority in the low frequencies. The loudspeaker is equipped with four bi-wire ready gold-plated connectors of large diameter.

The Cabinet

The Opera Seconda cabinet is designed with rounded edges, using quality MDF, and finished with finely polished real wood veneers. The front, top and rear panels are covered with manufactured leather, which beyond aesthetic qualities, also work as damping for the loudspeakers. The front panel, following Opera's tradition, is thick enough to properly control the drivers.

The internal volume is divided into two separate chambers, that beyond strengthening the structure, remove the resonant frequencies associated with the height of the piece.

The cabinet interior is filled with quality acrylic wadding in order to control the extended frequency response, while lowering internal reflections.

Because there is no reflex port, the loudspeaker can be located near to the rear wall, and is therefore optimally used both as front and/or rear loudspeakers in home theatre systems.

The Components

All models of the Linea Classica series use the same drive units; the one inch tweeter (the same used in the Callas SP) is a silk dome unit, with ferrofluid in the air gap and a wide rear decompression chamber. The qualities of this SEAS tweeter are well known and appreciated. The woofer, also made by SEAS, was developed specially for this line of loudspeakers. It is a 6.5 inch unit with 18cm chassis, 38mm voice coil, aluminium diaphragm and rubber outer suspension. It has a dynamic mass appreciably higher than the norm, and an impedance of 4 ohm. Two copper rings are fitted above and below the T-shaped pole piece, which both reduce distortion and stabilize the magnetic flux. Finally, the bullet-shaped phase plug in ABS helps to dissipate heat and overcome compression effects associated with normal dust-caps. It also improves emission at the high-frequency end of the unit's range. The cast chassis, of aerodynamic design, is fully open even beneath the inner suspension.

The Crossover

In designing this new "Classic Series", particular attention has been paid to the electric impedance. In particular, we wanted to guarantee a load condition compatible with any type of amplifier.

In order to do so, the impedance minimums have been kept within the limits allowed by the DIN regulation that provides that, for nominal 4 ohm loudspeakers, the impedance does not fall below 3.2 ohm.

The electrical impedance modulus of Opera Seconda is always over 4.25 ohm, and the progression is regular with contained phase rotations.

Room Positioning

Opera Seconda is a floorstanding loudspeaker. We advise against placing the loudspeaker in a corner, and suggest keeping a minimum distance of at least 30 cm (12") from the side walls. The best position within your environment will be found with a little experimenting.

Available in the following finishes:



Mahogany



Cherry



Piano Black







Quinta



The new Quinta continues with the outstanding scale and depth of its predecessor and builds on it with the use of new drive units, crossover and cabinet design. It's a true full-range, dynamic loudspeaker that relays anything from jazz trios to full scale symphonic music with authority and detail, yet also delicacy.

System

The Opera Quinta differs from the previous model of the same name by having a new cabinet, new components and new crossover. The cabinet is slightly larger than before, with an internal volume of around 60 litres and is divided into two chambers; the lower chamber, of roughly 40 litres houses two bass drivers. The upper chamber, of roughly 20 litres houses the upper bass driver. The three reflex ports are mounted on the loudspeaker's rear panel. There are 4 gold plated terminal connectors and the speaker is bi-wirable if required.

Cabinet

All Linea Classica models have their cabinets in shaped MDF, with sides veneered and lacquered using real wood, while the remaining sides are finished in leather. The size of the front panel, following Opera's tradition, is large enough to hold the loudspeakers. The inside of the cabinet is divided into two separate chambers, which not only reinforces the structure but also raises the frequency of the first normal resonance mode. The inside of the cabinet is filled with quality acrylic wadding, which helps eliminate internal reflections and resonance and assists bass frequency damping. The bass reflex ports are placed on the rear panel.

Components

All models of the Linea Classica Series use the same drive units; the one inch tweeter (the same used in the Callas SP) is a silk dome unit, with ferrofluid in the air gap and having a wide rear decompression chamber. The qualities of this SEAS tweeter are well known and appreciated. The woofer, also made by SEAS, was developed specially for this line of loudspeakers. It is a 6.5 inch unit with 18cm chassis, 38mm voice coil, aluminium diaphragm and rubber outer suspension. It has a dynamic mass appreciably higher than the norm, and an impedance of 4 ohm. Two copper rings are fitted above and below the T-shaped pole piece, which both reduce distortion and stabilize the magnetic flux. Finally, the bullet-shaped phase plug in ABS helps to dissipate heat and overcomes compression effects associated with normal dust-caps. It also improves emission at the high-frequency end of the unit's range. The cast chassis, of aerodynamic design, is fully open even beneath the inner suspension.

Crossover

In designing the new Classic Series, particular attention has been paid to electrical impedance.

This is to ensure that the loudspeaker will present a load compatible with every type of amplifier.

The minimum impedance for a nominally 6 Ohm loudspeaker under DIN regulations is not less than 4.8 Ohms at the lowest point of the impedance curve. Opera Quinta adhere to this norm.

The electrical impedance curve of the Opera Quinta is in fact always above 5.9 Ohm (5.54 Ohm real impedance at 20KHz) and although not completely resistive, it is extremely regular with phase rotations close to zero over a wide range of frequencies from 200Hz upwards. This ease of drive makes the Opera Quinta a rarer breed, opposed to prevailing tendencies in loudspeaker design.

The Opera Quinta is a very easy loudspeaker to drive, and best results can be achieved with any type of amplifier, whether valve or solid-state.

The crossover of the Opera Quinta is a 'two-and-a-half-way', with three bass units connected in quasi-series

Room Positioning

Opera Quinta is a floor standing loudspeaker. It is inadvisable to place the loudspeaker in a corner, and the recommended distance from side walls is at least 30cm. As always, the best position within the room will be found while experimenting. Even though the reflex ports are rear-mounted, it is sufficient to maintain a distance of just a few inches between the rear of the loudspeaker and the rear wall.

Available in the following finishes:



Mahogany



Cherry



Piano Black



Prima

System:	Bookshelf or standmount, reflex loaded with front port
Drive units:	1 x 6.5 inch bass drivers – aluminium cone 1 x 1 inch tweeter - fabric dome
Number of ways:	2 way
Frequency response:	40-20000 Hz
Cross-over: low pass:	12 dB/octave for the low pass 24 dB/octave for the high pass Crossover frequency 2300 Hz approx
Power handling:	70 watt RMS
Recommended amplifier:	10 to 70 Watt RMS or more (without clipping)
Sensitivity:	89 dB/1watt/1 meter
Nominal Impedance:	4 ohm (Z min > 3.9 ohm)
Room positioning:	At least 20-30 cm from side room boundary
Size:	36,5 x 24 x 31,5 cm (h x w x d) 14,4 x 9,5 x 12,4 inch (h x w x d)
Weight:	10,5 Kg (23 lbs)



Seconda

System:	Floorstanding column, two separated sealed chambers
Drive units:	2 x 6.5 inch bass drivers - aluminium, cone 1 x 1 inch tweeter - fabric dome
Number of ways:	2 1/2 way
Frequency response:	32-20000 Hz
Cross-over: low pass:	Nearly-parallel for woofers 12 dB/octave low pass 24 dB/octave for the high pass Crossover frequency 2300 Hz approx
Power handling:	140 watt RMS
Recommended amplifier:	10 to 140 Watt RMS or more (without clipping)
Sensitivity:	89 dB/1watt/1 meter
Nominal Impedance:	4 ohm (Z min > 4.2 ohm)
Room positioning:	At least 20-30 cm from side room boundary
Size:	102,5 x 24 x 31,5 cm (h x w x d) 40,3 x 9,5 x 12,4 inch (h x w x d)
Weight:	25 Kg (55 lbs)



Quinta

System:	Floorstanding column two separated reflex loaded chambers
Drive units:	3 x 6.5 inch bass drivers - aluminium cone 1 x 1 inch tweeter - fabric dome
Number of ways:	2 1/2 way
Frequency response:	30-20000 Hz
Cross-over: low pass:	Nearly-series for woofers 6 dB low pass 24 dB/octave for the high pass Crossover frequency 2300 Hz approx
Power handling:	210 watt RMS
Recommended amplifier:	10 to 210 Watt RMS or more (without clipping)
Sensitivity:	89 dB/1watt/1 meter
Nominal Impedance:	6 ohm (8 max and 5.95 min from 100 to 20000 Hz with)
Room positioning:	At least 20-30 cm from rear room boundary At least 20-30 cm from side room boundary
Size:	117,5 x 24 x 39,5 cm (h x w x d) 46,3 x 9,5 x 15,5 inch (h x w x d)
Weight:	34 Kg (75 lbs)







+39.0422.633547

info@operaloudspeakers.com

www.operaloudspeakers.com