

Scirone 21.1

2-way horn-loaded passive system



Features

- Full-horn passive two-way system with extended low-frequency direct emission components
- Perfect for private or enclosed areas
- Full sonic range, used with or without subwoofer
- High power sound
- Huge expandability of performance in perceived power with subwoofer integration
- Extreme sensitivity
- Unbeatable listening dynamics
- Perfect efficiency at all levels of listening
- Perfect adaptability to any musical preference
- Faithful and transparent reproduction at all frequency levels
- Heavy duty, highly resistant to scratches and bumps
- Weather resistance
- Built with high-strength and stiffness composite materials
- Easy to repair and maintain
- Cutting-edge technical design
- Unbeatable lightness for easy transport
- Simple installation either freestanding or suspended
- Customizable color and surface finish
- Simple acoustic calibration

Applications

Small-scale clubs
Small to mid-size events
Outdoor events Sophisticated live events

Max Size of audience within the range of dispersion

Indoor 600
Outdoor 500

Recommendations vary depending on the quantity and type of subwoofer.

Scirone is a passive 3-way horn-loaded system with an extended low-frequency direct emission component. Professional HI-PRO two-way audio system with horn-loaded speaker technology, designed to seamlessly integrate with dedicated transducers, built from high resistance composite materials for elevated sensitivity, dynamics, and definition. Wide-angle coverage of a highly controlled sound field, and the ability to reach high sound pressure levels without perceptible distortion. A pair of large full-frontal horns manage the high-mid frequency range : they are connected in a single framework, with a rear cover, and removable from the lower Ovoid 15 mid-woofer. The horns are managed by a dedicated specific, inner, passive crossover filter, no compromise design, to get the best performance. The high-range horn is characterized by a special high-end derivation design. The long and complex development with variable sections (from round to elliptical) allows a wide dispersion with powerful loading. The new Scirone mid-range horn has a unique design that creates an extraordinary level of efficiency and sensitivity. This allows for excellent dynamics that distinguish the entire system from the very first listen. The extended low-frequency direct emission component is characterized by a light ovoid shell structure, highly resistant, containing a 15 "woofer with a 35-400 Hz range and high sensitivity. This component can alone cover the mid and low frequencies or can be assisted by additional subwoofers to cover the lower frequencies with additional power. The low frequency woofer features a water-resistant cone. Components such as the speakers, woofers, and compression drivers all represent world-class quality, without commercial or technological compromises. Thanks to its elevated sensitivity, the system requires limited amplification power. The new Scirone system needs a DSP to manage, together, the horn loaded head and the Ovoid 15 mid-woofer. A Full Fat audio FFA 8004 (+ external DSP) is the recommended 4 channel amplifier for this solution.



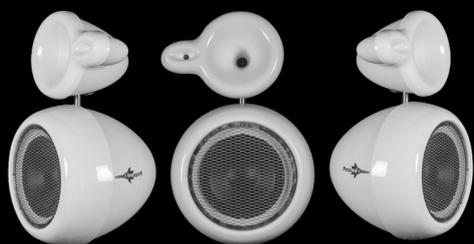
Architectural Specifications

The loudspeaker system Scirone is a passive two-way system with extended low-frequency direct emission components. Built from high-quality composite materials, it is very resistant to scratches and bumps. Highly resistant to rain and sun. All metal parts are built in stainless steel. The extended low-frequency direct emission component is characterized by a light structure with a highly resistant ovoid shell, containing a 15" woofer with 35-400 Hz range, sensitivity of 97 dB 1W/1m, continuous power handling 2000W, 60 mm peak to peak mechanical excursion, nominal impedance 8 Ohm. Medium frequencies: full frontal round horn, equipped with 2" (51 mm) MF compression driver @ 8 Ohm 150 W nominal, 300 W peak ; sensitivity (coupled to the horn) of 110 dB 1W/1m; 70° horizontal dispersion. High frequencies: horn with specialized shape, equipped with a 1" (25 mm) HF compression driver with high tech polymer diaphragm @ 8 Ohm 80W nominal, 160 W peak ; sensitivity (coupled to the horn) of 109 dB 1W/1m. The system frequency response , managed by the dedicated passive filter and DSP to match the Ovoid15, in a neutral environment is linear and flat, so it does not need equalization correction. Continuous power handling with this passive filter is 400W 4 Ohm. The extended low- frequency direct emission component is amplified through an additional dedicated amplifier, with recommended continuous power handling of 2000W/4ohm. A Full-Fat audio FFA 8000 is the recommend amplifier partner. The suspension of the system can easily be achieved through chains, cables in steel, or synthetic technical ber. The system can be equipped on request with rings and suspension eyebolts. The suspension loads are very small for the suspension points. You can refer to the weights indicated in the table (we recommend a multiplicative safety factor in operation equal to 5). Subwoofers are sold separately. Size of the public served in the range of dispersion, Indoor 600pp, Outdoor 500pp (or more). Recommendations vary depending on the quantity and type of subwoofer.

Warning:

This is a professional audio system with very high efficiency and sensitivity to acoustic emissions that could potentially cause hearing damage. Installation and use intended for experienced and qualified personnel. The setting of safety DSP devices with a limiter function is recommended.

TYPE	Two way passive full-horn loaded with extended low frequencies direct emission component
FREQUENCY RESPONSE	35 Hz – 20 KHz (-3dB)
TOTAL SENSITIVITY	109 dB 1W/1m with passive crossover for mid-high component; 97 dB 1W/1m for low component
LOW FREQUENCY	15" woofer @ 8 Ohm 1000W nominal power handling , sensivity 97 dB 1W/1m
MEDIUM FREQUENCY	2" (51 mm) MF compression driver @ 8 Ohm 150 W nominal, 300 W peak
HIGH FREQUENCY	1" (25 mm) HF compression driver with high tech polymer diaphragm @ 8 Ohm 80W nominal, 160 W peak
NOMINAL IMPEDANCE	4 Ohm with two way passive crossover for mid-high component; 8 Ohm for low component
POWER HANDLING	400 W (Continuous) @ 4 Ohm for mid high frequencies; 2000 W (Continuous) @ 4 Ohm for low frequencies
MANAGE	4 Ch amplifier to a couple of Scirone loudspeakers (inner passive crossover provided, for each Scirone horn loaded mid+hf)+DSP . Horn loaded mid+hf :High-pass filter @ 400Hz, 24 dB/oct. LR;Relative Gain -12dB,Delay 0 ms 15": High-pass filter @40Hz, 24 dB/oct. But, Low pass filter @400Hz, 24 dB/oct. LR If subwoofer is needed: Horn loaded mid+hf : as above 15": High-pass filter @100Hz, 24 dB/oct. LR, Low pass filter @400Hz, 24 dB/oct. LR
RECOMMENDED AMPLIFIER	Full Fatt Audio FFA 8004 with DSP
DISPERSION	70° horizontal, 60° vertical
CONSTRUCTION MATERIALS	Fiber-reinforced composite, stainless steel
FINISH	all ral color and texture on order
PROTECTIVE GRILLES	Scirone is usually sold with these grids to protect the 15" woofer, as standard
CONNECTORS	2x Neutrik NL4 or custom preference
DIMENSIONS (without support)	(W) 700mm (H) 1000mm (D) 700mm (W) 28 inch (H) 40 inch (D) 28 inch
WEIGHT	23 Kg (51 lb)



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