

Mistral 20.1

Three way passive, symmetrical configuration



Features

- High end audio quality
- Perfect for private or enclosed areas
- Perfect adaptability to any musical preference
- Transparent and clear playback
- 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

Dedicated single space, moderate footprint
Small club performances
Privé exclusive spaces
Mid to Small-scale events
Sophisticated intimate live events

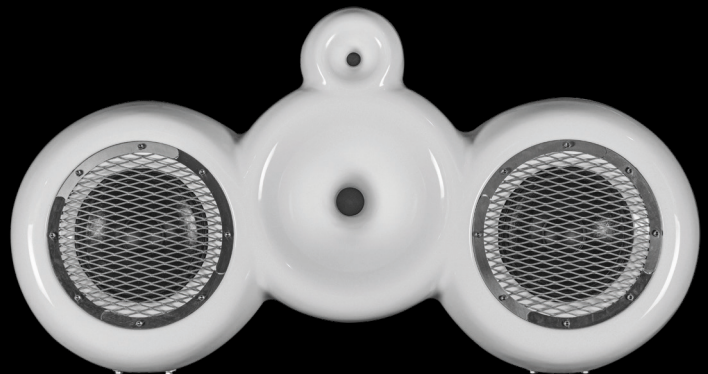
Max Size of audience within the range of dispersion

Indoor 300 (alone without subwoofer)
Outdoor 200 (alone without subwoofer)
Indoor 400 (with subwoofer)
Outdoor 300 (with subwoofer).

Recommendations vary depending on the quantity and type of subwoofer.

The new Mistral loudspeaker system, together with the Aliseo system, belongs to the new family of loudspeakers with a symmetrical configuration recently designed by Pequod. Mistral is an elegant composite material system using very high quality and specialized transducers. The system has an horizontal, symmetrical, compact design in relation to the performance. The central unit of the medium-high frequencies is made using optimized drivers acoustically loaded with frontal horns, with a circular development. On both sides of the central element we find a pair of 10" high excursion woofers, bass reflex loaded, in separate volumes. Inside the system there is a passive crossover. It's an extreme design, like every crossover we make, and it's made using high-grade components, optimized to extract the maximum from the individual transducers and create a perfectly integrated global system between the individual ways. The sonic result is once again surprising and in line with the Pequod family sound that characterizes the full range systems of our production: clear and natural mid range, refined high frequencies and solid, well damped low frequencies. The great naturalness of the voices presentation, in full mid range, is something that strikes the listener from the very first listening.

The extremes of the range, both in low and in high frequency, complete the sound characteristics of the new Mistral at the same qualitative level. Dynamics is another system feature, in addition to high power and negligible distortion. These features make Mistral perfect for use as a high power central channel in sophisticated home theater systems, such as those achievable with Pequod products. Another option is to use Mistral suspended, against a wall or in a corner, to create sound spaces in large areas with low ceiling heights: typically in sophisticated clubs, where Mistral can be as stand alone version or, alternatively, with an Ovoid18 type subwoofer, to get extremely high sound pressure level. In every situation it will be the maker of very high quality sound spaces.



Architectural Specifications

Built from high-quality composite materials. Heavy-duty, highly resistant to scratches and bumps. Highly resistant to rain and sun. All metal parts are built in stainless steel. The low frequency direct emission components are characterized by a light structure with a highly resistant ovoid shell containing a couple of 10" woofer 8 Ohm, nominal power handling 400 W each, sensitivity 95 dB 1 W/1 m. Medium frequencies: full frontal round horn, equipped with a 2" compression driver; nominal power handling at 150 W (300 W peak); sensitivity (coupled to the horn) 110 dB 1W/1m . High frequencies: horn equipped with a 1" compression driver; nominal power handling 80 W (160 W peak); sensitivity (coupled to the horn) 109 dB 1W/1m. The loudspeaker system Mistral is managed passively by a specific inner crossover filter, 3 way. The system frequency response, managed by the dedicated passive filter ,is linear and uniform, so it does not need equalization correction. Continuous power handling of the system with this passive filter is 1200 W 4 Ohm. Various mounting solutions are available for a variety of indoor or outdoor applications (see User guide). Size of the public served in the range of dispersion: Indoor 300 (alone without subwoofer), outdoor 200 (alone without subwoofer), Indoor 400 (with subwoofer), outdoor 300 (with subwoofer). Recommendations vary depending on the 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	3 way passive ,symmetrical configuration
FREQUENCY RESPONSE	48 Hz – 20 KHz (-3dB)
TOTAL SENSITIVITY	98 dB 1W/1m with passive crossover
SPL MAX	128 dB with 1200 W (peak)
LOW FREQUENCY	2x10" woofer @ 8 Ohm 400W nominal power handling each , sensivity 95 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 3 way passive crossover (inner)
POWER HANDLING	1200W @ 4 Ohm with amplifier (2 ohm stable)
MANAGE	2 Ch amplifier to a couple of Mistral loudspeakers (passive crossover provided, for each Mistral). If very high output is needed we recommend to use a DSP: High-pass filter @45Hz, 12 dB/oct. or higher slope. Otherwise as Satellite with subwoofer: Amplifier+DSP to match to subwoofer. High-pass filter @90Hz, 12 dB/oct. or higher slope. Inner thermal protection device provided, to avoid overdrive.
RECOMMENDED AMPLIFIER	Full Fatt Audio FFA 6000 with external DSP to match to subwoofer
DISPERSION	70° horizontal, 60° vertical
CONSTRUCTION MATERIALS	Fiber-reinforced composite, stainless steel
FINISH	all ral color and texture on order
PROTECTIVE GRILLES	Mistral is usually sold with these grids to protect the 10" woofers, as standard
CONNECTORS	1x Neutrik NL4 or custom preference
DIMENSIONS (without support)	(W) 1200mm (H) 665mm (D) 500mm (W) 47 inch (H) 26 inch (D) 20 inch
WEIGHT	26 Kg (57 lb)



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