

Meses 24.1

Three way passive, symmetrical configuration



Introduction

Continuing the design of systems characterized by horizontal symmetrical development, Pequod Acoustics has created the new Meses system, which, in terms of overall performance, is placed at the next step up from the Aliseo system. The structure is made using 3 ovoid volumes in composite material, interconnected with each other. The surfaces are obviously highly resistant. Also for Meses, as for Aliseo, the central unit is made up of a very high-performance coaxial speaker. It is an 8" coax with a 2.5" voice coil, with an inner tweeter on axis, with a 1.75" voice coil, loaded by a horn characterised by 70° conical dispersion. The two lateral speakers, which reproduce the low frequency, are two 8" high-performance woofers, with a 2.5" voice coil, loaded in reflex. As with Aliseo, we have paid great attention to the timbre of the system, decidedly refined to the point of making Meses an important and versatile product, suitable to become the central channel of sophisticated HT systems, or DJ monitors, as well as to sound areas where it is necessary to have audio systems characterized by reduced total height, typically in private rooms of sophisticated clubs, where Meses can be in stand alone version or, alternatively, with a subwoofer, to obtain extremely high sound pressure levels. Inside the system we find a 3-way passive crossover, typical of the uncompromising design of Pequod Acoustics. Obviously, according to our philosophy, we have managed to have refined timbre, very low perceived distortion, while having very significant expressed power values. In every situation it will be the creator of very high quality sound spaces.



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

Applications

- Dedicated single space, small footprint
- Limited interest space, like table dedicated audio
- Privé exclusive spaces
- Small club performance
- Small- scale events
- Sophisticated intimate live events
- DJ monitors
- HT systems



Max Size of audience within the range of dispersion

Indoor 90 (alone without subwoofer)
Outdoor 50 (alone without subwoofer)
Indoor 180 (with subwoofer)
Outdoor 100 (with subwoofer).

(Recommendations vary depending on the type of subwoofer)

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 8" woofer 8 Ohm 600 W continuous power handling each, sensitivity 94 dB 1W/1m. The mid-low frequency direct emission component is characterized by a light structure with a highly resistant ovoid shell containing a 8" mid woofer 8 Ohm 600 W continuous power handling, sensitivity 95dB 1W/1m. High frequencies: inner horn equipped with an HF compression driver with high tech polymer diaphragm, 16 Ohm 100W continuous power handling, sensitivity 105 dB 1W/1m. The loudspeaker system Meses is managed passively by a specific inner crossover filter, 3 way. The frequency response of the system 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 800 W 4 Ohm. Inner thermal protection device provided to avoid overdrive. Various mounting solutions are available for a variety of indoor or outdoor applications (see User guide).

Warning

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

TYPE	3 way passive ,symmetrical configuration
FREQUENCY RESPONSE	50Hz - 18KHz (-3dB)
TOTAL SENSITIVITY	95dB 1W/1m with passive crossover
SPL MAX	123dB with 800W
LOW FREQUENCIES	2x8" woofer @ 8 Ohm 600W continuous power handling each , sensitivity 94dB 1W/1m
MEDIUM FREQUENCIES	8" mid-woofer @ 8 Ohm 600W continuous power handling, sensitivity 95dB 1W/1m
HIGH FREQUENCIES	HF compression driver with high tech polymer diaphragm @ 16 Ohm 100W continuous power handling , sensitivity 105dB 1W/1m
NOMINAL IMPEDANCE	4 Ohm with 3 way passive crossover
POWER HANDLING	800W @ 4 Ohm with amplifier, 2 Ohm stable
MANAGE	2 Ch amplifier to a couple of Meses loudspeakers (passive crossover provided, for each Meses). If very high output is needed we recommend to use a DSP: High-pass filter @50Hz, 12dB/oct. or higher slope. Otherwise as Satellite with subwoofer : Amplifier+DSP to match to subwoofer. High-pass filter @90Hz, 12dB/oct. or higher slope. Inner thermal protection device provided, to avoid overdrive
RECOMMENDED AMPLIFIER	2 channel amplifier, around 800W on each channel @ 4 Ohm stable
DISPERSION	70 deg conical
CONSTRUCTION MATERIALS	Fiber-reinforced composite, stainless steel
FINISH	all ral color and texture on order
PROTECTIVE GRILLES	Meses is usually sold with these grids to protect the 8" woofers and coaxial ,as standard
CONNECTORS	1x Neutrik NL4 or custom preference
DIMENSIONS	(W) 985mm (H) 484mm (D) 450mm
(witht support)	(W) 39 inch (H) 19 inch (D) 17.7 inch
WEIGHT	16 Kg (35 lb)

