

# Aliseo 19.1

Three way passive ,symmetrical configuration



## Introduction

The new Aliseo loudspeaker system is the new challenge that Pequod has undertaken, designing an elegant system in composite material using the highest quality and specialized 5 "units. The system has an horizontal, symmetrical, and extremely compact design in relation to the performance. The central unit is made using a 5 " mid woofer coaxial with an extremely refined horn loaded high frequency driver, with 70 ° conical dispersion. On the two sides of the central element we find a pair of high excursion 5 "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 is made using highgrade 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 range. The great naturalness of presentation of the voices, in full mid-range, is something that strikes the listener right from the first listening. The extremes of range, both in low and high frequency, complete the sound characteristics of the new Aliseo at the same level of quality. Dynamics is another feature of the system, surprising in relation to the small transducers used. These features make Aliseo perfect for use as a center channel in sophisticated home theater systems, such as those achievable with Pequod products. Another option is to use Aliseo suspended ,against a wall or in a corner, to create sound spaces in areas with reduced heights on the vertical plane: typically in private rooms in sophisticated clubs, where Aliseo can be as stand alone version or, alternatively, with a subwoofer, to get extremely high Sound pressure level. In every situation it will be the maker 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
- Simple acoustic calibration

## 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

## Max Size of audience within the range of dispersion

Indoor 50 (alone without subwoofer)  
Outdoor 30 (alone without subwoofer)  
Indoor 100 (with subwoofer)  
Outdoor 50 (with subwoofer).

Recommendations vary depending on the type of subwoofer.



## Architectural Specifications

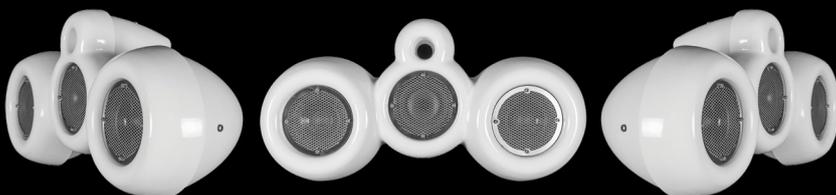
Built from high-quality composite materials. Heavy-duty, highly resistant to scratches and bumps. Highly resistant to rain and sun. All metal parts are built in stainless steel.

The low frequency direct emission components are characterized by a light structure with a highly resistant ovoid shell containing a couple of 5" woofer 8 Ohm 200 W continuous power handling each, sensitivity 90.5 dB 1W/1m. The mid-low frequency direct emission component is characterized by a light structure with a highly resistant ovoid shell containing a 5" mid woofer 8 Ohm 300 W continuous power handling, sensitivity 92dB 1 W/1 m. High frequencies: inner horn equipped with an HF compression driver with high tech polymer diaphragm, 8 Ohm 50 W continuous power handling, sensitivity 105 dB 1 W/1 m. The loudspeaker system Aliseo 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 350 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). Size of the public served in the range of dispersion: Indoor 50 (alone without subwoofer), outdoor 30 (alone without subwoofer), Indoor 100 (with subwoofer), outdoor 50 (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.

<b>TYPE</b>	3 way passive ,symmetrical configuration
<b>FREQUENCY RESPONSE</b>	50 Hz - 18 KHz (-3dB)
<b>TOTAL SENSITIVITY</b>	92 dB 1W/1m with passive crossover
<b>SPL MAX</b>	114 dB with 300 W
<b>LOW FREQUENCY</b>	2x5" woofer @8Ohm 200W continuous power handling each, sensitivity 90.5 dB 1W/1m
<b>MEDIUM FREQUENCY</b>	5" mid-woofer @ 8 Ohm 300W continuous power handling , sensitivity 92 dB 1W/1m
<b>HIGH FREQUENCY</b>	HF compression driver with high tech polymer diaphragm @ 8 Ohm 50W continuous power handling , sensitivity 105dB 1W/1m
<b>NOMINAL IMPEDANCE</b>	4 Ohm with 3 way passive crossover
<b>POWER HANDLING</b>	350W @ 4 Ohm with amplifier
<b>MANAGE</b>	2 Ch amplifier to a couple of Aliseo loudspeakers (passive crossover provided, for each Aliseo). If very high output is needed we recommend to use a DSP : High-pass filter @50Hz, 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.
<b>RECOMMENDED AMPLIFIER</b>	2 channel amplifier, around 450W on each channel @ 4 ohm stable
<b>DISPERSION</b>	60° conical
<b>CONSTRUCTION MATERIALS</b>	Fiber-reinforced composite, stainless steel
<b>FINISH</b>	all ral color and texture on order
<b>PROTECTIVE GRILLES</b>	Aliseo is usually sold with these grids to protect the 5" woofers and coaxial ,as standard
<b>CONNECTORS</b>	Aliseo has,as exit, 2 pole OF Copper high quality cable,1,5 sq.mm each pole, to be connected to Neutrik NL2, NL4 or custom
<b>DIMENSIONS (without support)</b>	(W) 790mm (H) 400mm (D) 400mm (W) 31 inch (H) 15,8 inch (D) 15,8 inch
<b>WEIGHT</b>	7 Kg (15,5 lb)



**Pequod Acoustics** Phone: +39 055 66 43 46

via del Madonnone, 25 Florence. Italy Mail: info@pequodacoustics.com Web: www.pequodacoustics.com