

# Altano 18.1

## 3x12" Acoustic suspension subwoofer



The Altano system is a long excursion acoustic suspension subwoofer consisting of 3 12-inch long-excursion woofers housed in three ovoid volumes structure connected and fused to form an extremely light and rigid monolithic structure. The total power of the system is over 2700 Watts, having high sensitivity (97 dB 1W/1m), with a total radiant surface equivalent to a 21-inch diaphragm. The composite material by which it is composed allows for high stiffness and avoids the triggering of resonances of the speaker walls. Compared to a traditional subwoofer made of wood, the Altano system does not present harmful structural vibrations, as well as having very high resistance to atmospheric agents. The shape itself without parallel walls avoids the formation of internal standing waves with considerable advantages for having a clean and precise sound. The Altano system is suitable for creating full-range systems with high acoustic impact. Ideal for forming a system with Zephyrus, Ostro, and Kona products, where quality and power are achieved through a compact Subwoofer. The 12-inch woofers, 3 units, are connected in a parallel setup.

### Features

- Strong impact from the visual point of view
- Special ultralight anti-resonance shell structure
- Powerful sound emission
- Extreme sensitivity
- Excellent sound quality at all power levels
- Perfect adaptability to any musical genre
- Heavy duty composite construction, resistant to scratches and bumps
- Completely weather resistant (on request)
- Engineered for easy maintenance and repair
- Technologically advanced design
- Light weight for easy transport
- Customizable color and surface
- Simple installation and interface

### Applications

Small intimate space  
Small outdoor events  
Small-scale live events in need of a high sound quality  
Mid to Small-scale events  
Sophisticated intimate live events

### Max Size of audience within the range of dispersion for 2 Altano subwoofer:

Indoor 240  
Outdoor 120

Recommendations vary depending on the genre and the desired pressure.



## Architectural Specifications

The Altano system is a long excursion acoustic suspension subwoofer consisting of 3 12-inch long-excursion woofers housed in a shape characterized by three ovoid volumes connected and fused to form an extremely light and rigid monolithic structure. Built from high-quality composite materials, highly resistant to damage from scratches and bumps. Absolute resistance to rain and sun. All metal parts are built from stainless steel. Altano sensitivity is 97 dB 1W/1m; the woofers are 12"(320mm), they have a ferrite ring, 8 Ohm nominal impedance. Each 12" has 450W nominal power handling, 900W power on the continuous program. Recommended amplifier (for two Altano) is 2 channel amplifier, around 2700W on each channel @ 2-ohm stable. Size of the audience for 2 Altano would be Indoor 240 pp, outdoor 120 pp. This varies depending on musical preferences.

### 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>	Acoustic suspension subwoofer in tri-ovoidal structure
<b>FREQUENCY RESPONSE</b>	38 Hz - 1,5 KHz (-3 dB)
<b>TOTAL SENSITIVITY</b>	97 dB 1W/1m
<b>LOW FREQUENCY</b>	3x12" woofer @ 8 Ohm 450W nominal power handling each , sensivity 92 dB 1W/1m
<b>NOMINAL IMPEDANCE</b>	2 Ohm
<b>POWER HANDLING</b>	2700W @ 2 Ohm with amplifier (2 ohm stable)
<b>MANAGE</b>	2 Ch amplifier to a couple of Altano (stereo)+DSP to match to satellite. High-pass filter @30Hz, 24 dB/oct.But ;Low- pass filter @100- 120Hz, 24 dB/oct. LR
<b>RECOMMENDED AMPLIFIER</b>	Full Fatt Audio FFA 6000 with external DSP to match to subwoofer
<b>DISPERSION</b>	Omnidirectional
<b>CONSTRUCTION MATERIALS</b>	Fiber-reinforced composite, stainless steel
<b>FINISH</b>	all ral color and texture on order
<b>PROTECTIVE GRILLES</b>	Altano is usually sold with these grids to protect the 12" woofers, as standard
<b>CONNECTORS</b>	1x Neutrik NL4 or custom preference
<b>DIMENSIONS (without support)</b>	(W) 1000mm (H) 750mm (D) 420mm (W) 39,5 inch (H) 29,5 inch (D) 16,5 inch
<b>WEIGHT</b>	28 Kg (61 lb)



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

via del Madonnone, 25 Florence. Italy Mail: [info@pequodacoustics.com](mailto:info@pequodacoustics.com) Web: [www.pequodacoustics.com](http://www.pequodacoustics.com)