

# Ovoid Sub 5.1

18" Bass reflex subwoofer



## Introduction

The Ovoidal 5.1 sub is a long excursion bass-reflex subwoofer in an ovoidal axisymmetric closed structure, characterized by extreme sensitivity, dynamics, and emission power, made with an incredibly rigid and light structure in durable composite materials. Unlike all other alternatives currently available, this low-frequency speaker was made without technical and dimensional compromises, with structural technologies not present in the professional audio market. Thus it achieves maximum acoustic performance with an elegant design and a unique personality. All other bass reflex subwoofers on the professional audio market are built inside wooden box structures. This technology is flawed due to structural resonances and internal acoustic problems related to stationary waves. Furthermore, the wooden structure is very heavy and is characterized by problems related to protection and durability, with little resistance to atmospheric agents. Ovoidal 5.1 represents an exclusive technological innovation, built from high-quality composite materials in a special ovoidal shell shape. The scratch-resistant glossy surfaces and the resistance to atmospheric agents, combined with great power with extremely high efficiency and very high in sensitivity, allow Ovoidal 5.1 to truly distinguish itself when compared to any product from the main competing brands, with direct radiation electroacoustic bass-reflex technology. Ovoidal 5.1 guarantees perfect loading of low frequencies in sensitivity, depth, control, and SPL expressed by the usage of very few watts. Ovoidal 5.1 uses a single high-quality transducer of 18" (460mm). The structure is rigid and very light (considering the overall weight and the dB/Kg ratio). The aesthetic impact is extraordinary and unique in the professional sound market.



## Features

- Strong impact from the visual point of view
- Ultralight anti-resonance shell structure
- Very 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
- Engineered for easy maintenance and repair
- Technologically advanced design
- Very low weight for easy transport
- Simple installation and interface
- Customization of color and surface
- Unique exclusive design

## Applications

Mid-size club spaces

Outdoor events

Small-scale live events requiring high sound quality

Max Size of audience within the range of dispersion

For 4x Ovoidal 5.1 subs:

Indoor 500

Outdoor 300

(recommendations vary depending on the genre and the desired pressure)



## Architectural Specifications

Ovoidal 5.1 is a long excursion bass-reflex subwoofer in an ovoidal axisymmetric closed 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. Ovoidal 5.1 sensitivity is 97dB 1W/1m ; the woofer is 18" (460mm). neodymium inside slug, 8 Ohm or 4 Ohm (depending on the versions) ; 1700W nominal power handling, 3400W power on the continuous program. This is the recommended amplifier power to exploit, fully, the transducer without any clipping in the amplifier. The Full-Fat audio FFA 10000 is the recommended amplifier for this solution. The size of the audience for 4 Ovoidal 5.1 would be Indoor 500 pp, outdoor 300 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. Safety DSP devices with a limiter function are recommended.

<b>TYPE</b>	Bass reflex subwoofer in ovoidal structure
<b>FREQUENCY RESPONSE</b>	35 Hz - 1,5 KHz
<b>TOTAL SENSITIVITY</b>	97 dB 1W/m
<b>NOMINAL IMPEDANCE</b>	8 Ohm or 4 Ohm (depending on the version) 2x Ovoid18 in parallel configuration : 4 ohm (2 Ovoid18, 8 ohm version each) 2 ohm (2 Ovoid18, 4 ohm version each)
<b>POWER HANDLING</b>	1700 W nominal, 3400 W continuous program
<b>MANAGE</b>	2 Ch amplifier to a couple of Ovoid18 (stereo)+DSP to match to satellite. High-pass filter @25Hz, 24 dB/oct. But ;Low-pass filter @100-120Hz, 24 dB/oct. LR
<b>RECOMMENDED AMPLIFIER</b>	Full Fatt Audio FFA 10000 (Ovoid 4 ohm version)
<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>	Ovoid sub is usually sold with this grid made of stainless steel
<b>CONNECTORS</b>	1x Neutrik NL4 or custom preference
<b>DIMENSIONS (with support)</b>	(W) 700 mm (H) 700 mm (D) 700 mm (W) 28 inch (H) 28 inch (D) 28 inch
<b>WEIGHT</b>	23 Kg (50 lb) w/o support



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HAND MADE IN ITALY