

Zephyrus15.1

Two way passive coaxial



Introduction

Zephyrus is a compact product designed around a 5 inch coaxial high performance speaker. It has a mid woofer of 5 inches with a horn loaded and coaxial driver capable of high resolution at high frequency. The body is realized in composite material, light yet resistant, capable of withstanding shock and atmospheric agents. This is the perfect product to create sound quality loyal systems that respects vocal quality. It is also ideal to create satellite + subwoofer systems that maintain high quality with low encumbrance. It excels in its goal of sonorizing small rooms or areas in clubs. Multiple Zephyrus speakers allow for an equal diffusion of extreme high quality sound in an open area. Another use is the connection to a studio system or a PC workstation where sound quality and sound detail has to be immediately recognizable. Pairing the Zephyrus with the Borea sub (ovoid system) allows to create a full range system, compact and dynamic, and is therefore suggested. The passive crossover, realized without compromise, selecting the most high quality components, allows control of the Zephyrus with a single amplification channel.



Features

- High-end audio quality
- Perfect for private or enclosed areas
- Perfect adaptability to any musical preference
- Faithful and transparent reproduction at all frequency levels
- 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, small footprint
Limited interest space, like table dedicated audio
Privè exclusive space
Small club performances
Small-scale events
Sophisticated intimate live events
Max Size of audience within the range of dispersion
Indoor 40 (alone without subwoofer)
Outdoor 25 (alone without subwoofer)
Indoor 80 (with subwoofer)
Outdoor 40 (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 mid-low frequency direct emission component is characterized by a light structure with a highly resistant ovoid shell containing a 5" 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 Zephyrus is managed passively by a specific inner crossover filter. 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 300 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 40 (alone without subwoofer), outdoor 25 (alone without subwoofer), indoor 80 (with subwoofer), outdoor 40 (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	Two way passive coaxial
FREQUENCY RESPONSE	70 Hz - 18 KHz (-3dB)
TOTAL SENSITIVITY	92 dB 1W/1m with passive crossover
SPL MAX	114 dB with 300 W
LOW - MEDIUM FREQUENCIES	5" woofer @ 8 Ohm 300W continuous power handling , sensivity 92 dB 1W/1m
HIGH FREQUENCIES	HF compression driver with high tech polymer diaphragm @ 8 Ohm 50W continuous power handling , sensivity 105dB 1W/1m
NOMINAL IMPEDANCE	4 Ohm with 2 way passive crossover
POWER HANDLING	300W @ 4 Ohm with amplifier
MANAGE	2 Ch amplifier to a couple of Zephyrus loudspeakers (passive crossover provided, for each Zephyrus) .If very high output is needed we recommend to use a DSP : High-pass filter @70Hz, 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	2 channel amplifier, around 350W on each channel @ 4 ohm stable
DISPERSION	70 deg conical
MATERIALS	Fiber-reinforced composite, stainless steel
FINISH	all ral color and texture on order
PROTECTIVE GRILLES	Zephyrus is usually sold with this grid to protect the 5" coax ,as standard
CONNECTORS	Zephyrus has,as exit, 2 pole OFCopper high quality cable ,1,5 sq.mm each pole, to be connected to Neutrik NL2, NL4 or custom
DIMENSIONS (WITH SUPPORT)	(W) 255mm (H) 332mm (D)350mm (W) 10 inch (H) 13 inch (D) 13,7inch
WEIGHT	3,5 Kg (7,7 lb)



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