

Buran 33.1

Three way passive,
double ovoid configuration



The Buran system represents a new product created by Pequod acoustics, continuing the design of systems characterized by horizontal development, using a double interconnected ovoid structure. Buran system, in terms of overall performance, is placed at the next step up from the Ostro system. The structure is made using 2 ovoid volumes made of composite material, interconnected with each other.

The surfaces are obviously highly resistant. One unit is made up of a very high-performance 10" coaxial speaker. It is a 10" coax with a 2.5" voice coil for the mid low and an inner tweeter on axis, with a 1.75" voice coil, loaded by a horn characterized by 70° conical dispersion. The other speaker, which reproduces the low frequency, is 12" high-performance woofer, with a 4" voice coil, loaded in reflex. As with Aetone, we have paid great attention to the timbre of the system, decidedly refined to the point of making Buran an important and versatile product, suitable to become DJ monitors (left and right channels mirrored), as well as for sounding areas where it is necessary to have audio systems characterized by reduced total height, typically in private rooms of sophisticated clubs, where Buran 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, medium 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 100 (alone without subwoofer)
- Outdoor 60 (alone without subwoofer)
- Indoor 200 (with subwoofer)
- Outdoor 110 (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 component is characterized by a light structure with a highly resistant ovoid shell containing a 12" woofer 8 Ohm 1200W continuous power handling, sensitivity 96dB 1W/1m. The mid-low frequency direct emission component is characterized by a light structure with a highly resistant ovoid shell containing a 10" mid woofer 8 Ohm 600W continuous power handling, sensitivity 96.5dB 1W/1 m. High frequencies: inner horn equipped with an HF compression driver with high tech polymer diaphragm, 16 Ohm 100W continuous power handling, sensitivity 105dB 1W/1m. The loudspeaker system Buran 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 700W 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 coaxial + reflex 12" woofer
FREQUENCY RESPONSE	48 Hz - 18 KHz (-3dB)
TOTAL SENSITIVITY	96 dB 1W/1m (passive crossover inside)
LOW FREQUENCIES	12" long excursion woofer
LOW-MEDIUM FREQUENCIES	10" mid woofer @ 8 Ohm 600W continuous power handling , sensivity 96.5 dB 1W/1m
HIGH FREQUENCY	HF compression driver with high tech polymer diaphragm @ 16 Ohm 100W continuous power handling, sensitivity 105 dB 1W/1m
NOMINAL IMPEDANCE	4 Ohm with inner 3 way passive crossover
POWER HANDLING	700W @ 4 Ohm with amplifier (2 ohm stable)
MANAGE	2 Ch amplifier to a couple of Buran loudspeakers (passive crossover provided,inside each product). 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 @80Hz, 12 dB/oct. or higher slope. Relative gain : relating to environmental acoustic conditions
RECOMMENDED AMPLIFIER	Full Fatt Audio FFA 6000 with external DSP to match to subwoofer
DISPERSION	Sat: 70 deg conical
CONSTRUCTION MATERIALS	Fiber-reinforced composite, stainless steel
FINISH	all ral color and texture on order
PROTECTIVE GRILLES	Burian is usually sold with grids to protect the 10" coaxial and 12" woofer, as standard
CONNECTORS	1x Neutrik NL4FX or custom preference
DIMENSIONS (with support)	(W) 890mm (H) 472mm (D) 420mm (W) 35 inch (H) 18.5 inch (D) 16,5 inch
WEIGHT	34 Kg (75 lb)



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