FROG-IS

Professional Audio Solutions

Two-Way Surface Mount Loudspeaker

FI-SMS8(B/W)

8" Woofer + 1" Titanium Tweeter | IP65 Rated

Product Overview

The FI-SMS8(B/W) is a high-performance two-way surface mount loudspeaker engineered for demanding commercial and residential audio installations. Featuring an elegant, contemporary enclosure design constructed from rugged ABS material with a powder-coated aluminum mesh grille, this speaker delivers uncompromising sound quality across any installation environment — indoors or outdoors.

At its core, a precision-engineered 8-inch polypropylene woofer paired with a 1-inch titanium diaphragm tweeter produces wide dynamic range, high-fidelity sound reproduction, and exceptional voice intelligibility. With a broad frequency response of 40 Hz to 20 kHz and a sensitivity rating of 95 dB (1 W / 1 m), the FI-SMS8(B/W) ensures consistent, even coverage with rich, detailed audio at any listening distance.

The included heavy-duty C-shaped mounting bracket offers multi-position installation flexibility, allowing precise aiming and secure mounting in any orientation. Rated IP65 for dust and water ingress protection, the FI-SMS8(B/W) is built to withstand the rigors of outdoor and high-humidity environments while maintaining long-term reliability and performance.

Key Features

- **Two-Way Coherent Design:** 8-inch polypropylene woofer and 1-inch titanium tweeter work in harmony to deliver rich, detailed sound across the full audio spectrum.
- **Wide Frequency Response:** 40 Hz – 20 kHz coverage ensures deep, punchy bass and crisp, sparkling highs for music and speech reproduction.
- **High Sensitivity:** 95 dB (1 W / 1 m) sensitivity enables efficient, high-output performance with minimal amplifier power.

- **120W Power Handling:** Robust power handling capacity for high-SPL applications and dynamic program material.
- **IP65 Weather Protection:** Fully sealed enclosure design provides reliable operation in rain, humidity, dust, and extreme temperature conditions.
- **Rugged ABS Enclosure:** High-strength ABS cabinet resists impact, UV degradation, and environmental wear for years of dependable service.
- **Powder-Coated Aluminum Grille:** Corrosion-resistant metal grille protects drivers while maintaining acoustic transparency.
- **Heavy-Duty C-Bracket:** Included multi-position C-shaped mounting bracket enables flexible, secure installation and precise directional aiming.
- **Dual Finish Options:** Available in Black or White to seamlessly integrate with any architectural décor.
- **Wide & Consistent Coverage:** Engineered dispersion pattern delivers uniform sound coverage throughout the listening area, minimizing hot spots and dead zones.

Acoustic Design

The FI-SMS8(B/W) employs a carefully optimized two-way transducer system. The 8-inch polypropylene cone woofer delivers tight, well-defined low-frequency response with minimal cone breakup, while the 1-inch titanium diaphragm tweeter provides smooth, extended high-frequency reproduction with low distortion. The crossover network is precision-tuned to ensure seamless driver integration and coherent phase response throughout the listening window.

The ABS enclosure is internally braced and damped to eliminate unwanted panel resonance and coloration, resulting in a clean, transparent midrange that is ideal for both background music and paging/announcement applications. The wide-dispersion design ensures consistent sound pressure levels across the coverage area, making it an excellent choice for distributed audio systems.

Applications

- Retail stores and shopping centers
- Restaurants, bars, and music cafes
- Health clubs, gyms, and fitness centers
- Theme parks and outdoor entertainment venues
- Educational facilities and campuses
- Hospitality: hotels, resorts, and lounges
- Leisure venues and public spaces
- Indoor/outdoor foreground and background music systems
- Public address and paging systems
- Multi-room residential audio installation

Technical Specifications

Parameter	Specification
Model	FI-SMS8(B/W)
System Type	Two-Way Surface Mount Loudspeaker
Frequency Response	40 Hz – 20 kHz
Sensitivity	95 dB (1 W / 1 m)
Power Handling	120 W
Low-Frequency Driver	8" Woofer, Polypropylene Cone
High-Frequency Driver	1" Driver, Titanium Diaphragm
Enclosure Material	High-Strength ABS
Grille	Powder-Coated Aluminum Mesh
Weather Protection	IP65 Rated
Mounting	Heavy-Duty C-Bracket (Included), Multi-Position
Finish / Color	Black / White
Dimensions (H × W × D)	44.0 × 30.0 × 29.0 cm
Net Weight	7.72 kg

Installation & Mounting

The FI-SMS8(B/W) comes complete with a heavy-duty C-shaped mounting bracket designed for quick, secure installation. The multi-position bracket allows vertical and horizontal angle adjustment, enabling precise speaker aiming to optimize coverage in any space. The rugged bracket and enclosure construction ensure long-term structural stability even in high-vibration or outdoor environments.

For outdoor installations, ensure the speaker is mounted with the grille facing slightly downward to prevent water pooling. Always use appropriate wall anchors or mounting hardware rated for the speaker weight and installation surface. Allow adequate clearance around the enclosure for ventilation and maintenance access.

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Specifications are subject to change without notice due to continuous product improvement.