FROG-IS

Professional Audio Solutions | Italy Design

3-Way Ceiling Loudspeaker

FI-MDX8

Fiber Cone Woofer + PEI Tweeter + Dual Passive Radiators

Product Overview

The FI-MDX8 is a high-performance 3-way ceiling loudspeaker engineered for premium background music and paging applications in commercial and residential spaces. Featuring an elegant, ultra-slim design with a built-in enclosure, this speaker delivers exceptional sound quality while maintaining a discreet, flush-mount profile that blends seamlessly into any ceiling.

At its core, a high-quality fiber cone woofer is paired with a PEI film tweeter and dual passive radiators to produce rich, full-range audio with deep bass response and crisp highs. With a rated power of 80W, a frequency response of 45 Hz to 20 kHz, and a sensitivity of 90±3 dB, the FI-MDX8 delivers powerful, detailed sound that fills any room with clarity and warmth.

The ultra-thin built-in chamber design ensures easy installation in standard ceiling cavities, while the precision-engineered crossover network guarantees coherent phase response and seamless driver integration. Ideal for hotels, restaurants, retail stores, offices, and high-end residential installations, the FI-MDX8 combines Italian design aesthetics with professional acoustic performance.

Key Features

- **3-Way Acoustic Design:** Fiber cone woofer, PEI film tweeter, and dual passive radiators work together for full-range, detailed sound reproduction.
- **80W High Power Handling:** Robust 80W rated power capacity delivers high-SPL performance for demanding commercial environments.
- **Wide Frequency Response:** 45 Hz – 20 kHz coverage ensures deep, impactful bass and sparkling, extended highs for music and speech.
- **High Sensitivity:** 90±3 dB sensitivity enables efficient, high-output performance with minimal amplifier power.

- **Dual Passive Radiators:** Two 5090 passive radiators extend low-frequency response and enhance bass depth without increasing enclosure size.
- **Ultra-Thin Built-In Chamber:** Compact integrated enclosure design fits standard ceiling depths for quick, hassle-free installation.
- **PEI Film Tweeter:** High-quality PEI diaphragm tweeter delivers smooth, detailed high frequencies with excellent dispersion.
- **Fiber Cone Woofer:** Premium fiber cone woofer provides warm, natural midrange and tight, well-defined bass.
- **Flush-Mount Aesthetics:** Slim 90mm depth with 232mm outer diameter for a clean, discreet ceiling appearance.
- **Italy Design:** Italian-inspired design and engineering, combining elegant aesthetics with professional acoustic performance.

Applications

- Hotels, resorts, and hospitality venues
- Restaurants, cafes, and bars
- Retail stores and shopping centers
- Offices, boardrooms, and conference spaces
- Lobbies, atriums, and public areas
- Educational facilities and classrooms
- Healthcare facilities and waiting areas
- High-end residential multi-room audio
- Background music and paging systems
- Distributed commercial audio installations

Technical Specifications

Parameter	Specification
Model	FI-MDX8
System Type	3-Way Ceiling Loudspeaker
Rated Power	80 W
Nominal Impedance	8 Ω
Frequency Response	45 Hz – 20 kHz
Sensitivity	90 ± 3 dB
Low-Frequency Driver	High-Quality Fiber Cone Woofer
High-Frequency Driver	PEI Film Tweeter
Passive Radiators	Dual 5090 Passive Radiators
Enclosure	Built-In Ultra-Thin Chamber
Cutout Diameter	200 – 205 mm
Outer Dimensions (D × H)	232 × 90 mm
Net Weight	1.2 kg

Packaging Information

Package Type	Dimensions (L × W × H)	Weight
Color Box (1 pc)	26 × 26 × 12.5 cm	1.56 kg
Carton (10 pcs)	65 × 31 × 56.5 cm	16.72 kg

Installation Notes

The FI-MDX8 is designed for easy flush-mount ceiling installation. Follow these guidelines for optimal results:

1. Cut a circular hole of 200–205 mm in diameter in the ceiling tile or drywall.

2. Ensure the ceiling cavity has sufficient depth (minimum 95 mm) to accommodate the ultra-thin enclosure.

3. Connect the speaker leads to the amplifier, observing correct polarity (+ to +, – to –).

4. Slide the speaker into the cutout and secure using the built-in mounting clamps.

5. For best performance, space speakers evenly according to the coverage area and use an appropriate amplifier matched to 8Ω impedance.

6. Avoid installing near heat sources, ventilation ducts, or areas with excessive moisture.

Why Choose FI-MDX8

The FI-MDX8 represents the perfect blend of Italian design, professional acoustics, and practical installation flexibility. Its 3-way configuration with dual passive radiators delivers bass response that belies its compact size, while the 80W power handling and 90±3 dB sensitivity ensure it can drive any commercial space with confidence. Whether installed in a boutique hotel, a fine dining restaurant, or a luxury residence, the FI-MDX8 provides discreet, high-fidelity sound that elevates any environment.

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Frog-is Co., LTD
YinZhou District, NingBo, China 315100
sales@frog-is.com

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