

FAL27T-TZ



This 6.5-inch coaxial ceiling speaker is engineered for environments requiring high SPL output, wide dynamic response, and easy installation. Featuring a shallow embedding depth, front-accessible wiring terminals, and a magnetic etched grille, it is designed to fit into narrow ceiling spaces without compromising audio quality or aesthetics.

Key Features

- Coaxial Driver Design: Integrates a 6.5" woofer with a 1" dome tweeter for detailed, full-range audio dispersion.
- High Output & Dynamics: Delivers 90 dB sensitivity and up to 110 dB SPL output with 60W rated power (240W peak).
- Magnetic Etched Grille: Equipped with 8 N42 high-strength magnets for secure, seamless, and tool-less iron mesh installation.
- Shallow Space Optimization: Designed specifically for narrow ceiling spaces with an embedding depth of only 176 mm.
- Front-Accessible Wiring: Front outlet Phoenix wiring terminals simplify cable routing and speed up system installation.
- Comprehensive Triple-Safety System: Features horn-reinforced fixation, a rear barrel wire safety rope, and a dedicated iron mesh safety rope for total reliability.
- Durable Construction: Built with a sturdy iron back shell and premium zinc alloy mounting buckles.

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Specifications

Audio & Performance

Parameter	Specification
Driver Configuration	1 × 6.5" Woofer + 1 × 1" Dome Tweeter (Coaxial)
Rated Impedance	8 Ω
Rated Power	60 W (Continuous) / 240 W (PEAK)
Effective Frequency Range	85 Hz – 20 kHz
Characteristic Sensitivity (1m/1W)	90 dB
Specified Frequency Band Max SPL	110 dB

Physical, Mechanical & Installation

Parameter	Specification
Grille Material & Process	Etched metal mesh
Grille Attachment	Magnetic adsorption (≥ 8 × N42 high-strength magnets)
Back Shell Material	Iron
Mounting Buckles	Zinc alloy buckles
Terminals	Over-current, Over-temperature, Overload, Load Short-circuit protection
Safety Features	Horn reinforced fixation, rear barrel safety rope, iron mesh safety rope
Outer Diameter	316 mm
Cutout Diameter	270 – 280 mm
Embedding Depth	176 mm
Total Height	197 mm
Ceiling Thickness Range	10 – 50 mm
Net Weight	3.4 kg