Datasheet

PAS-CS20W-TRD-BT-PRO | Bluetooth Pro-sound Rimless Ultra thin dome Ceiling Speaker with Dual Tweeter and Passive Radiator









Key features

- Ultra-thin profile (85mm depth) allows installation in most ceilings.
- Dual high-frequency tweeters and a 3.5" woofer deliver balanced sound.
- Passive radiator enhances bass performance without extra space.
- Wireless Bluetooth connectivity enables seamless audio streaming.
- Flush mount design for an unobtrusive appearance.
- ABS enclosure ensures durability and a clean white finish.
- Easy install – Quick, hassle-free setup

Product Overview

The Macsys PAS-CS20W-TRD-BT-PRO is a high-performance Bluetooth ceiling speaker designed to deliver premium audio with a sleek and modern aesthetic. With a 20W power output and 8Ω impedance, it ensures clear, distortion-free sound, making it ideal for both music and speech applications. Featuring a dual tweeter system, it enhances high-frequency clarity, while the passive radiator technology provides deep, well-balanced bass without requiring additional amplification. The built-in Bluetooth connectivity allows seamless wireless streaming from smartphones, tablets, and other devices, offering a hassle-free audio experience.

Designed with an ultra-thin, rimless dome structure, this speaker blends effortlessly into ceilings, providing a discreet yet powerful sound solution for homes, offices, hotels, conference rooms, and retail spaces. Its wide frequency response ensures a full-range audio experience, delivering crisp highs, rich mids, and deep lows. Additionally, its easy installation system allows quick and secure ceiling mounting, making it perfect for both new construction and retrofit projects. Whether for home entertainment, business environments, or hospitality settings, the Macsys PAS-CS20W-TRD-BT-PRO combines professional-grade sound quality with modern convenience, making it an excellent choice for high-end residential and commercial audio installations.

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Technical Specification

Feature	Details
Speaker Type	Bluetooth Ceiling Speaker
Nominal Power	20W
Peak Power	40W
Impedance	8Ω
Sensitivity (1W/1m)	88dB
Maximum Sound Pressure Level at 1m	101dB
Frequency Range	100Hz-20KHz
Tweeter	Dual 1" Tweeters
Bass Driver	3.5" Woofer with Passive Radiator
Bass Enhancement	Passive Radiator Technology
Connectivity	Built-in Bluetooth
Design	Rimless, Ultra-Thin Dome
Mounting Method	In ceiling
Housing Material	ABS
Unit Weight	1.4KG
Color Finish	White
Ceiling Cutout Diameter	Ø 190mm
Overall Dimensions	Ø 223mm x 85mm (H)
Driver Configuration	1 x 2" Tweeters, 3.5 x 1" Woofer, 1 Passive Radiator
Certification	CE, RoHS Compliance

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