

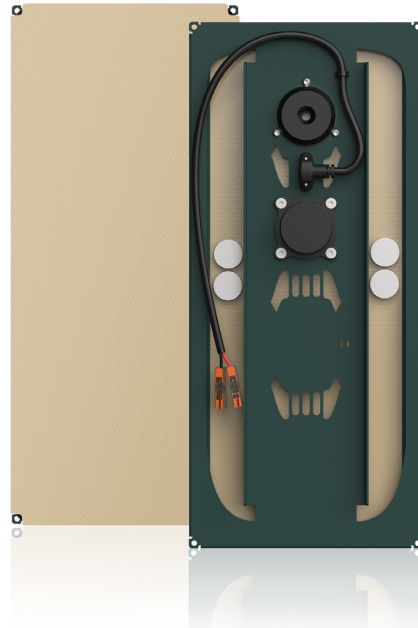


AMINA

DATASHEET Revision 1.0

SAPPHIRE 250^{S200}

HIGH PERFORMANCE SLIMLINE INVISIBLE LOUDSPEAKER



SLIMLINE PERFORMANCE

The Sapphire 250/S200 distills the core performance of the Sapphire 250 into a more compact, 200mm-wide form. Designed for applications where space is restricted, it delivers a refined balance of clarity, output and integration using the same advanced panel material and exciter technology as the flagship model. While its reduced surface area naturally impacts low-frequency extension, it retains the essential character and composure of the Sapphire range in a slimmer, more adaptable format.

COMPOSED FOR BALANCE

Engineered around the same Symphony Cell composite soundboard and precision exciter configuration, the Sapphire 250/S200 is voiced for balance and control across the audible range. The reduced panel size results in a more restrained low-frequency response compared to the full-width Sapphire 250, but this is complemented by a clean, articulate midrange and smooth high-frequency dispersion. The result is a composed, natural presentation that performs confidently within its intended application.

FLEXIBLE BY DESIGN

The Sapphire 250/S200 is designed to meet the demands of installations where available space limits the use of full-size panels. Its narrower profile allows for greater placement flexibility across constrained wall sections, columns and architectural features, enabling high-quality invisible audio to be specified in locations that would otherwise be unsuitable.

SURFACE FREEDOM

Like the rest of the Sapphire range, the 250/S200 uses the same advanced panel material and exciter technology, enabling seamless integration behind a variety of surface finishes. Whether installed beneath plaster, fabric or other decorative materials, it maintains consistent acoustic performance while remaining completely hidden, giving designers and installers maximum creative flexibility.

FEATURES AT-A-GLANCE



50W RMS/100W PEAK

Providing a maximum sound pressure of 96dB SPL from 50W at four ohms



180° DISPERSION

Hemispheric dispersion throughout the speakers frequency range



SONIC CLARITY

Room-filling sound with full-range Hi-Fi voicing and impeccable intelligibility



INSTALL FLEXIBILITY

Install in wall, ceiling or cabinetry and cover with almost any material

Sapphire250 S200 SPECIFICATION

MEASURED AT 20°C WITH A 2MM PLASTER SKIM

NOMINAL IMPEDANCE	4 Ohms
SENSITIVITY	82dB (2.83V / 1m)
EQUIVALENT SENSITIVITY (without plaster)	91dB SPL
RATED MAXIMUM SPL	96dB SPL
FREQUENCY RANGE (-10dB)	60Hz - 20kHz
FREQUENCY RESPONSE (-6dB)	72Hz - 20kHz
COVERAGE (H/V)	180°/180°
POWER HANDLING (RMS/PEAK)	50w/100w
RECOMMENDED HIGH PASS FILTER	50Hz, (24dB per Oct.)
ELECTRICAL CONNECTION	Wago Lever-Splice 16–10 AWG (1.5–6 mm ²)
PRODUCT DIMENSIONS	450mm X 200mm X 31mm (17" ³ / ₄ x 7" ⁷ / ₈ x 1" ¹ / ₄)
PRODUCT WEIGHT	1.1kg (2lb 7oz)

DRIVERS	2 x Precision Tuned DML Drivers
VOICE COIL DIAMETER	1x 19mm, 1x 32mm
VOICE COIL CONDUCTOR	Dual Layer Wound Copper
SUSPENSION DESIGN	Engineered Spiderless Coupler
DIAPHRAGM DESIGN	Bending Wave Principle
DIAPHRAGM MATERIAL	Phenolic Honeycomb
RADIATOR SURFACE AREA	450mm X 200mm (17" ³ / ₄ x 7" ⁷ / ₈)

AVAILABLE ACCESSORIES

LOW-Z PROTECTION	Guardian 2/8/16
HIGH-Z TRANSFORMER	Multitap Or Fixed Value Available
MANUFACTURER WARRANTY	10 Years
MOUNTING HARDWARE	CV200 Backbox / SW200 Backbox / Tab Mounting Kit
FIRE BARRIER	Firehood 200

APPLICATION SPOTLIGHT

The Sapphire250 S200 excels in applications requiring precise acoustic performance and installation flexibility:

HERITAGE PROPERTIES: Ideal for historic buildings with limited wall space or structural restrictions.

BOUTIQUE HOSPITALITY: Perfect for hotel suites and guest areas needing discreet, high-quality audio.

CONFERENCE FACILITIES: Clear, balanced sound ensures strong speech intelligibility.

MULTI-ROOM AUDIO: Delivers consistent, natural sound across secondary zones.

SPACE-CONSTRAINED INSTALLATIONS: Enables high-performance audio in narrow walls, columns and tight spaces.

INSTALLATION SUPPORT

All Amina low-impedance loudspeakers require effective protection from being overdriven to qualify for our 10-year warranty. We recommend using Amina's Guardian protection devices in-line between your amplifier and loudspeaker for optimal performance and longevity.

Comprehensive installation instructions, training resources, CAD files, and application notes covering various finishing materials are available at aminasound.com. Our support team is always available to provide guidance for challenging installation

WARRANTY INFORMATION

Amina loudspeakers are designed to operate reliably for many years. Correctly installed in accordance with instructions, Amina warrants the loudspeakers against defective materials and workmanship for a period of ten years. Full warranty statement available at aminasound.com/warranty.



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