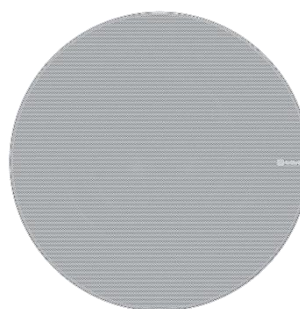


NIC-SB10

LOUDSPEAKERS

In-ceiling / In-wall Loudspeaker



PRODUCT OVERVIEW

NIC-SB10 is an in-ceiling / in-wall subwoofer loudspeaker designed for 70/100 V line and low-impedance installations, delivering 100 W RMS and featuring a 10" woofer. A tile bridge for securing the loudspeaker in suspended ceilings is included.

As part of the NIC Series, NIC-SB10 elevates ceiling speaker performance with ART (Acoustic Resonator Technology), validated by lab measurements. ART reduces low-frequency THD versus a conventional closed-box design for cleaner, more transparent sound, helping minimize resonance, coloration and unwanted low-frequency excitation in false ceilings.

Installation is streamlined for integrators thanks to front-accessible connections and power selection, allowing wiring and tapping adjustments even after the speaker is already installed. The loudspeaker is IP66 rated for reliable operation in humid or dusty environments, and it features a magnetic frameless grill with a removable logo for a clean, minimalist finish.

APPLICATIONS

- Retail
- Hospitality
- Education
- Corporate
- Leisure
- Sport & Wellness

ACCESSORIES & COMPATIBLE PRODUCTS

- NICRG10BK

TECHNICAL SPECIFICATIONS

NIC-SB10

System	
Effective frequency range ¹	56.1 Hz - 780 Hz
Coverage angle ²	180° conical
Continuous Power handling ³	100W
Program Power Handling ⁴	200W
Peak Power Handling ⁵	300 W
On-axis Sensitivity ⁶	89 dB
Maximum SPL ⁷	109 dB continuous / 115 dB peak
Power options	100V: 10 / 20 / 40/ 80W / 8Ω
	70V: 5 / 10 / 20 / 40W
Recommended amplifier power	200W RMS
Transducers	
Configuration	Subwoofer
Low frequency driver	10" Woofer
Nominal impedance	8Ω
Physical	
Connection type	4-pin Euroblock connector, mounted on the front of the baffle. Accepts cable sizes from 18 AWG (0.8 mm²) to 14 AWG (2.5 mm²)
Installation options	In-ceiling / In-wall
Enclosure material	ABS plastic
Environmental	IP66
Grill material	Iron
Grill fixing system	Magnets
Mounting system	3 rotating tabs
Operating temperature	Min: -30°C / -22°F Max: 65°C / 149°F
Operating humidity	<85% HR
Storage temperature	Min: -30°C / -22°F Max: 65°C / 149°F
Storage humidity	<85% HR
External diameter	402 mm / 15.83 in.
Internal diameter	360 mm / 14.17 in.
Recommended cut out diameter	364 mm / 14.33 in
Required depth	>320 mm / >12.60 in.
Ceiling thickness	Min: 10 mm / 0.39 in. Max: 60 mm / 2.37 in.
Included accessories	4 pin connector, 1 cutting template, 1 tile bridge.
Optional accessories	NICRG10BK (Grille Black accessory RAL 9005).
Finished colour	White (RAL 9003)
Dimensions (WxHxD)	402 x 402 x 271 mm / 15.83 x 15.83 x 10,67 in.
Weight	12 Kg / 26.46 lb
Pieces per box	1
Shipping dimensions (WxHxD)	420 x 490 x 490 mm. / 16.54 x 19.29 x 19.29 in
Shipping weight	17.7 Kg / 39.02 lb

⁽¹⁾ Measured frequency range within -10dB of the 1kHz octave band level, according to IEC 60268-5.

⁽²⁾ Beamwidth defined at -6 dB relative to the on-axis sound pressure level, averaged within the 1kHz to 8kHz range.

⁽³⁾ RMS input power applied via IEC shaped band-limited pink noise for 2 hours, per AES2 power handling standard.

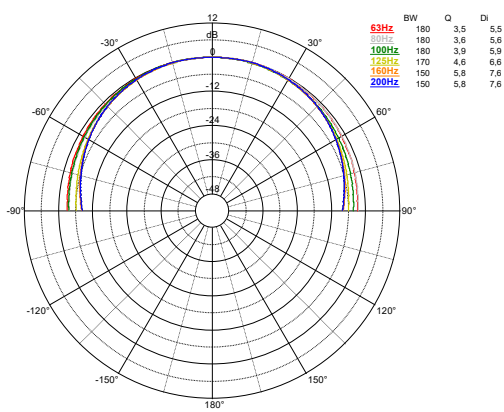
⁽⁴⁾ Conventionally 3 dB higher than the RMS measure, intended to represent real music signals.

⁽⁵⁾ Corresponds to the signal crests for the test described in (3).

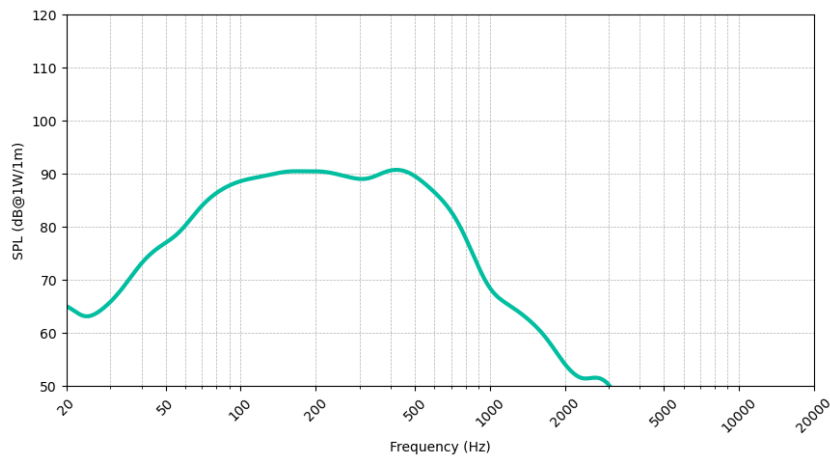
⁽⁶⁾ Sound pressure level at 1m with 1W input at nominal impedance under half-space radiation conditions.

⁽⁷⁾ Calculated.

POLAR DIAGRAMS



FREQUENCY RESPONSE ON-AXIS



MECHANICAL DIAGRAM

