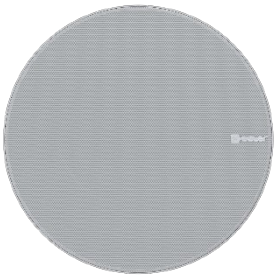
NIC-6

LOUDSPEAKERS

In-ceiling / In-wall Loudspeaker



PRODUCT OVERVIEW

NIC-6 is a 2-way in-ceiling / in-wall loudspeaker designed for both 70/100 V line and low-impedance installations, delivering 50 W RMS and featuring a 6.5" woofer + 1" steerable dome tweeter for precise, high-intelligibility coverage. It includes a built-in line transformer with practical power taps (100 V: 50 / 25 / 12.5 W and 70 V: 25 / 12.5 / 6.25 W) plus 8 Ω operation, so it adapts easily to distributed audio systems or conventional amplifiers.

As part of the NIC Series, NIC-6 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

- NICRG6BK
- NIC-TB6

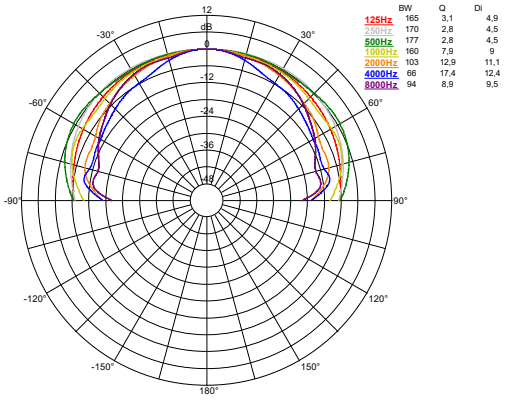
TECHNICAL SPECIFICATIONS

NIC-6

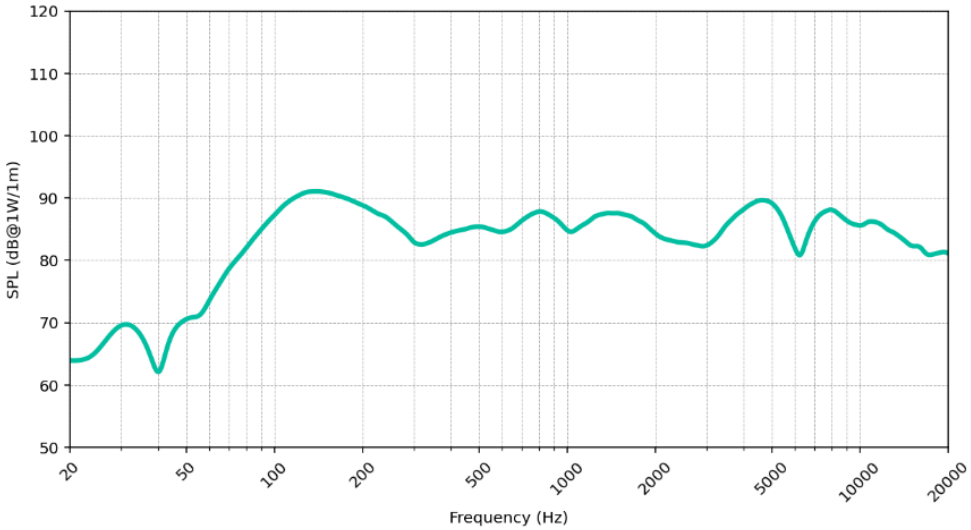
System	
Effective frequency range[1]	66Hz-20kHz
Coverage angle[2]	103° conical
Continuous Power handling[3]	50W
Program Power Handling[4]	100W
Peak Power Handling[5]	200W
On-axis Sensitivity[6]	88dB
Maximum SPL[7]	105dB continuous / 111 dB peak
Power options	100V: 12.5W / 25W / 50W 70V: 6.25W/ 12.5W / 25W
Recommended amplifier power	100W RMS
Transducers	
Configuration	2-ways full range
Low frequency driver	6,5" woofer
High frequency driver	1" Steerable Dome Tweeter
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	267 mm / 10.51 in.
Internal diameter	229 mm / 9.02 in.
Recommended cut out diameter	232 mm / 9.13 in
Required depth	>190 mm / >7.48 in.
Ceiling thickness	Min: 10 mm / 0.39 in. Max: 60 mm / 2.37 in.
Included accessories	4-pin connector, 1 cutting template
Optional accessories	• NICRG6BK (Grille Black accessory RAL 9005). • NIC-TB6 (tile bridge)
Finished colour	White (RAL 9003)
Dimensions (WxHxD)	267 x 267 x 169 mm / 10.51 x 10.51 x 6.65 in.
Weight	3.12 Kg / 6.88 lb
Pieces per box	1
Shipping dimensions (WxHxD)	315 x 315 x 250 mm / 12.40 x 12.40 x 9.84 in.
Shipping weight	4.4 Kg / 9.7 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