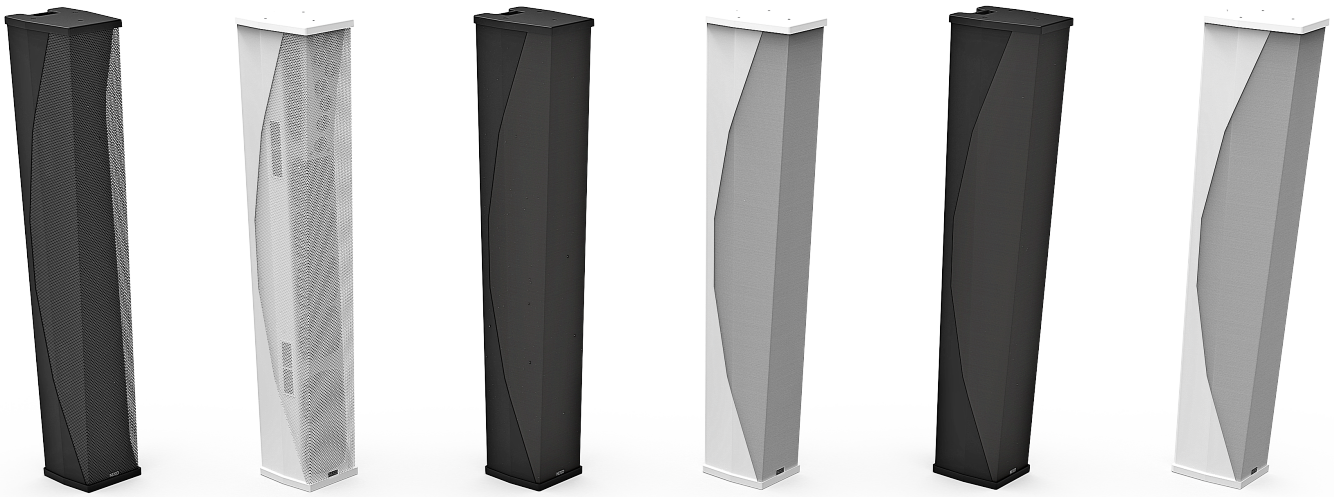
iD84 Column Speaker Data Sheet



Column Speaker, 2 way passive, with 8x 4" LF and 8x 1" HF.

The ID84 speaker is a powerful high-technology column speaker.

ID84 main features

- Powerful Column speaker that can be stacked or flown, with or without its companion sub the IDS312.
- Can be coupled upside down for increase throw and/or coverage.
- Low frequency directivity extension module (ID84L) for unmatched directivity up to cardioid pattern.
- Electronically steerable with a switch at the back of the unit + dedicated processing setup.
- Comprehensive range of versatile, multifunction accessories for deploying the ID84 in a wide variety of applications.
- Available in Touring, Installation and Tis versions, with custom RAL colour options.

NEXO

nexo-sa.com

The ID84 shares the same aesthetic design and sonic signature as the other modules in the ID Serie, while offering an elegant format and the well known NEXO size-to-power ratio.

High-density package

The ID84 is 990mm x 150mm x 215mm (39.0" x 5.9" x 8.5") and weighs 15 kg (33 lbs). Using the latest-generation Neodymium drivers, including the powerful 4" LF driver used in the ID24.

Advanced NEXO technology included

From speakers to waveguide, ID84 is packed with important NEXO technical innovations.

The HF uses a patent-pending arrangement to maximize the coverage of the HF.

The enclosure itself is made of aluminium, while the side covers and the protective front grille are in Magnelis®.

Precise matching directivity

The ID84 vertical directivity can be selected between two dispersions through a switch at the back, offering either +0/-10° "Narrow" or +0/-25° "Wide" dispersion, for 100° horizontal.

Together with dedicated presets for each vertical directivity choice, the ID84 can accommodate various audience situations while keeping a consistent sound throughout the audience area.

Long-throw applications

The design of the ID84 allows two modules to be coupled upside down for increased throw, each module with its own directivity option.

A low frequency extension, called ID84L, can increase the line length for increased directivity up to full cardioid pattern. See ID84L datasheet.

Touring, Installation and Tis versions

The Touring version uses a front Magnelis® grille. Its connection plate uses two NL4 connectors at the back and one connector hidden into the bottom cover for cableless connection to the dedicated IDS312 sub.

The Installation version keeps the same acoustic design but comes with a grille covered by an acoustic cloth. The connectivity is made through cable gland and captive two core cables, this version being IP54 rated.

The TIS version is actually a Touring version plus the acoustic cloth in front. All versions are available in black, white or custom RAL colour on request.

Perfect phase aligment

The ID84 shares the same phase response as other NEXO speakers, making it extremely easy to mix with all NEXO systems, e.g for side fill or front fill, or when used with any NEXO subs, without risk of comb filtering or requiring complex electronic adjustment.



The patent pending HF arrangement coupled with the electronic steering offers +0/-10° or +0/-25° vertical directivity.

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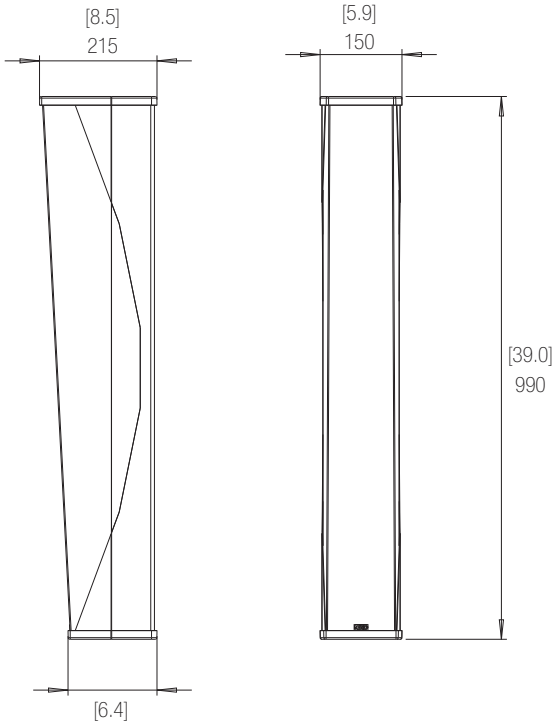
NEXO

NEXO is one of the world's leading sound reinforcement loudspeaker manufacturers. Founded in 1979, the company is dedicated to crafting practical solutions with solid engineering. Each new design begins with a proprietary sophisticated computer simulation process that allows every parameter to be extensively modeled and simulated, leading to breakthrough cost and performance gains. NEXO's comprehensive product line includes loudspeakers, analogue and digital control electronics and amplification; all designed to deliver consistent sound quality and long term reliability for a broad range of applications.

	ID84-T (Touring)	ID84-I (Install)	ID84-TIS (Tis)
ID84 WITH NEXO PROCESSING			
Frequency Response @-6 dB	90 Hz to 20 kHz		
Sensitivity 1W@1m	105 dB SPL Nominal		
Peak SPL@1m	135 dB		
Vertical Dispersion	+0°/-10° (Narrow Mode) or +0°/-25° (Wide mode)		
Horizontal Dispersion	100°		
Crossover Frequency	90 Hz, 120 Hz		
Nominal Impedance	4 Ω		
Recommended Power	650 to 1080 Watts / 4 Ohms		
PRODUCT FEATURES			
Number of ways	2 way passive		
LF Component	8 x 4" 8 Ohms long excursion Neodymium driver		
HF Component	8 x 1" 8 Ohms HF driver on a patent-pending arrangement		
Narrow/Wide mode selection	Ruggedized, recessed, waterproof 2 position switch		
Connectors	2x NL4 connectors (2+/2-) + 1x integrated connector in the base	Cable gland with 2x core cable	2x NL4 connectors (2+/2-) + 1x integrated connector in the base
Rigging points	2 x pairs of M6 - 70 mm pitch rigging points + 2x extra M6		
Material	Aluminum body and Magnelis® covers & grill		
Finish	Black powder coating (RAL9005), White powder coating (RAL9016) or Custom RAL		
Front Finish	Magnelis® Front grill	UV & Fire resistant acoustic fabric	UV & Fire resistant acoustic fabric
Height x Width x Depth	990mm x 150mm x 215 mm (39.0" x 5.9" x 8.5")		
Weight: Net	15 kg (33 lbs)		
Operating temperature range	0°C - 40 °C (32° F - 104° F)		
Storage temperature range	-20 °C - 60 °C (-4 ° F - 140° F)		
IP Rating	IP2x	IP54	IP2x
SYSTEM OPERATION			
Recommended powering solution	NXAMP4x1mk2 Powered TDcontroller: Up to 2 x ID84 per channel		
Optional powering solution	DTDcontroller + DTDAMP4x0.7 : 1 x ID84 per channel		
	DTDcontroller + DTDAMP4x1.3 : 1 x ID84 per channel		
	NXAMP4x2mk2 Powered TDcontroller: Up to 2 x ID84 per channel		
	NXAMP4x4mk2 Powered TDcontroller: Up to 2 x ID84 per channel		



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NEXO

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LIMITED WARRANTY
NEXO loudspeakers and electronics are covered against defects in workmanship or materials for a period of five (5) years from the original date of purchase. At the option of NEXO the defective item will be repaired/replaced with no charge for materials/labour. The item is to be adequately packaged and dispatched, pre-paid, to a NEXO authorised distributor/service centre. Unauthorised repair shall void the warranty. The NEXO warranty does not cover cosmetics or fnish and does not apply to any items which in NEXO's opinion have failed due to used abuse, accidents, modifications or any type of misuse. All images and text herein are the property of NEXO SA, and deemed accurate, although specifications are subject to change without notice.