



Installation speaker, 2 way passive, with high excursion 6" LF and 1.4" diaphragm HF.

The ePS6 speaker is a highly powerful installation-dedicated point source.

ePS6 main features

- High power (125 dB peak) point source dedicated to fixed installation markets, with or without its companion sub the eLS400.
- Lightweight (7.1 kg / 15.7 lbs) design using robust 15 mm Birch plywood enclosure.
- NEXO's Asymmetrical Dispersion Constant Directivity horn design ("PS" Horn), rotatable.
- IP55 protection level.
- Comprehensive range of versatile, accessories for deploying the ePS6 in a wide variety of fixed installation applications.

NEXO has always been well-known for its compact and very powerful versatile point source speakers, notably the worldwide reference PS Series.

This expertise is now applied to the ePS6, featuring a high excursion 6" speaker coupled with a 1.4" diaphragm compression driver, in a slick and discrete design.

Advanced NEXO technology included

The ePS6 enclosure uses a 15 mm birch plywood shell. The result is a robust lightweight enclosure with exceptionally good sound quality.

Its closed acoustic design offers a very clean and tight low end response even at high level, while ensuring IP55 protection.

The high excursion 6" LF driver uses a 1.7" voice coil while the HF compression driver has a 1.4" diaphragm, both ensuring a high peak output level.

The heart of the ePS6 is its Asymmetrical Dispersion Constant Directivity horn design, also known as the "PS" Horn.

Precise matching directivity

A satisfactory audience experience often necessitates compromise between the wide, short throw coverage required by listeners closest to the stage, and the narrow, long throw coverage required by those at the back of the venue.

The asymmetrical horns in ePS speakers are engineered so that vertical coverage is narrower above the horn axis than below. Easy for the user to rotate, this ensures optimum directivity for any fixed installation.

The connection at the back of the speaker is done through two (in/out) pairs of screws terminal blocks, while the included IP cover protects the connectors from moisture in outdoor applications.

A large set of compatible accessories

On each side of the cabinet, two M6 with 80 mm pitch plus one M10 fittings will connect the ePS6 to U bracket, bumper or eye-bolts.

The back of the speaker is fitted with 3x M6 with 70 mm pitch to connect wallmount in both horizontal and vertical positions.

Finally a dedicated accessory exists to hang the ePS6 below the optional eLS400 subwoofer, leading to a small footprint wideband system.

Perfect phase alignment

ePS6 acoustic phase response is NEXO phase signature allowing inter-operability between all NEXO speakers at all crossover points, except for the monitor setups where latency is minimized.



Grille removed, the large PS horn used with the HF driver

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.

EPS6 WITH NEXO PROCESSING

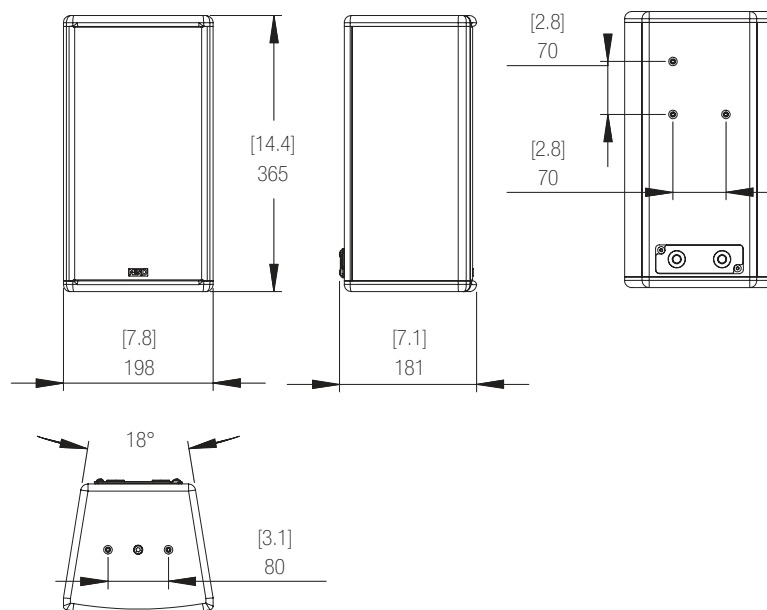
Frequency Response @-6 dB	90 Hz to 20 kHz
Sensitivity 1W@1m	98 dB SPL Nominal
Peak SPL@1m	125 dB
Vertical Dispersion	+25°/-30°
Horizontal Dispersion	50° to 100° asymmetrical
Crossover Frequency	90 Hz, 120 Hz
Nominal Impedance	8 Ω
Recommended Power	310 to 490 Watts / 8 Ohms

PRODUCT FEATURES

Number of ways	2 way passive
LF Component	6" 8 Ohms long excursion driver
HF Component	1.4" diaphragm 8 Ohms HF driver on an Asymmetrical Dispersion ("PS") horn
Connectors	2 pairs (In/Out) of 7.62 mm pitch screw terminal blocks (+/- poles)
Compatible cables section	Cables from 0.75 mm ² to 3.31 mm ² (AWG 18 to 12) copper section
Compatible cables outside diameter	Cable with maximum outside diameter of 9 mm
Rigging points	3x M6 - 70 mm pitch rigging points (back) + 2x extra M6 and 1x M10 (top/bot)
Material	15 mm thick birch plywood body and galvanized grill
Finish	Black structural paint (RAL9005 or Custom RAL upon request)
Front Finish	UV & Fire resistant acoustic fabric
Height x Width x Depth	365mm x 198mm x 181mm (14.4" x 7.8" x 7.1")
Weight: Net	7.1 kg (15.7 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	IP55

SYSTEM OPERATION

Recommended powering solution	NXAMP4x1mk2 Powered TDcontroller: Up to 4 x ePS6 per channel
Optional powering solution	DTDcontroller + DTDAMP4x0.7 : Up to 2 x ePS6 per channel
	DTDcontroller + DTDAMP4x1.3 : Up to 2 x ePS6 per channel
	NXAMP4x2mk2 Powered TDcontroller: Up to 4 x ePS6 per channel
	NXAMP4x4mk2 Powered TDcontroller: Up to 4 x ePS6 per channel



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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 finish 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.