



# NX55P

12-inch Powered Loudspeaker Cabinet

## Features:

- **Integrated 550 Watt Amplifier**
- **Bi-amplified Power Module**
- **12-inch Neodymium Woofer**
- **1-inch Neodymium Compression Driver**
- **1.4-inch Aluminum Diaphragm Horn Driver (1-inch Exit)**
- **Designed as Front-of-house or Monitor Loudspeaker**
- **80° x 50° Custom Waveguide Horn**
- **Rugged Lightweight Molded Composite Cabinet Construction**
- **XLR, 1/4-inch Microphone & Line Inputs**
- **All-Metal Grille, Integrated Flypoints, Handles & Stand Mount**
- **125 dB Maximum SPL**



## Overview:

The NX55P active speaker enclosure uses a combination of amplifier technologies to create the best combination of lightweight enclosure and high quality sound. The combination of neodymium woofer magnetics, lightweight Polypropylene construction and high tech amplifier technology create a loudspeaker that has remarkable performance in a lightweight package.

The 550-watt bi-amplified NX55P uses a two-tier class H linear technology for high frequencies, allowing the horn to produce loud clean transients to keep up with the high output of the woofer. The two-tier amplifier technology is a lower weight, more efficient amplifier with higher headroom and lower operating temperature, and a perfect solution for powering the top end. The woofer or low frequency amplifier uses Class D switching technology to reduce overall weight of the amplifier section, and deliver maximum power to the 12-inch neodymium woofer.

The NX55P can easily be used in any orientation, and close to walls, floors and in close arrays with multiple cabinets. Particular care was taken designing the components to reduce extraneous heat production.

The NX55P has a versatile direct input system and built-in mixer. The mixer allows the loudspeaker to be used directly with a microphone and / or line source. The loop output allows additional active cabinets to be driven from one cabinet's mixer stage, or a series of cabinets to be driven from one source. The NX55P has user defeatable 100Hz high pass filters that allow either cabinet to be used more efficiently with any Yorkville active subwoofer.

Integrated bar handles, 1/4-20 flypoints and integrated stand mount adaptor, as well as 1/4-inch TRS and XLR inputs ensure the NX55P can be easily integrated into any live or DJ PA set up.

## Optional NX Flying Hardware

The NXF flyware is a unique and versatile U-bracket system that attaches to the integrated flypoints on NX cabinets for a safe and secure installation. Once mounted, the cabinets can be flown at almost any angle with a standard shackle and cable system. In addition, the cabinet can be angled up to 30 degrees left or right across the horizontal plane within the NXF U-bracket. Flying an array of NX cabinets with ideal spacing between boxes is possible by joining multiple NXF U-Brackets and their mounted cabinets together with a simple arraying adaptor.

NXF35U - Steel U-Bracket flying assembly

NXF35W - Wall Mounting Bracket (to attach NXF35U assembly to wall or pillar)

NXF35A - Array Link Assembly (to properly array NXF350U flying assemblies - sold in pairs)



## NX55P Specifications:

Model	NX55P
SYSTEM TYPE	Active 2-Way Bi-Amplified
PROGRAM POWER (watts)	450 LF + 100 HF
IMPEDANCE (ohms)	-
FREQ. RESPONSE (Hz +/- 3dB)	45 - 18000
SENSITIVITY (dB@1W/1m)	-
MAXIMUM SPL (dB)	125
X-OVER FREQUENCY (Hz)	2000
LF DRIVER(S)	12" Neodymium
HF HORN	Molded Composite
HF DRIVER	1" Aluminum
HF HORN THROAT DIAMETER	1.4"
HF DISPERSION (H° x V°)	80 x 50
HF PROTECTION	Thermal / Peak Limiter
LF PROTECTION	Thermal / Overcurrent
CONSTRUCTION	Molded Composite
GRILLE	Perforated Metal
INPUTS	XLR-F (mic) 1/4" TRS balanced (x2) Mic/Line Gain / 2-Band EQ
MIXER / CONTROLS	+/- 6 dB Input Trim Control Subwoofer Tuning / Selection Switch
LOOP IN / OUTPUTS	XLR-M / XLR-F 1/4" TRS balanced (x2)
HANDLES	1 x Side Bar
FLYWARE TYPE / QUANTITY	1/4-20 x 5
FLYWARE LOCATIONS	2 Top / 1 Bottom
OPTIONAL ACCESSORIES	NXF Brackets
STAND MOUNT ADAPTOR	Yes
DIMENSIONS (DxWxHxBW inches)	12.25 x 13.5 x 26.25 x 8.5
DIMENSIONS (DxWxHxBW cm)	31 x 34.25 x 66.5 x 21.5
WEIGHT (lbs / kg)	47 / 21.4