



NX750P

15-inch Powered Loudspeaker Cabinet

Features:

- **Integrated 750 Watt Amplifier**
- **Bi-amplified Power Module**
- **15-inch Neodymium Woofer**
- **1-inch Compression Driver**
- **1.5-inch Polyester 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**
- **126 dB Maximum SPL**



Overview:

The NX750P is the culmination of all of Yorkville's research and development of molded technology to this point in time. The injection molded loudspeaker enclosure is loaded with a high performance 15-inch neodymium woofer and an 80° x 50° rotatable custom Waveguide horn.

It delivers 750 watts and uses the same combination of amplifier technologies that have already been proven in Yorkville active loudspeakers. The horn amplifier uses a two-tier class H linear technology, 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. It is a perfect solution for powering the top end.

A newly designed switching amplifier drives the bottom end or woofer in the NX750P. The woofer or low frequency amplifier uses Class D switching technology to reduce overall weight of the amplifier section. This technology is similar to the power supply found in the Yorkville A4.4 power amplifier, the EF500P active enclosure and MicroMix M8 powered mixer.

Like the NX55P, careful consideration was taken in the design process to ensure the NX750P can easily be used in any orientation, close to walls, floors, and in close arrays with multiple cabinets. Particular care was taken designing the components to reduce extraneous heat production.

The NX750P 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. If desired, multiple NX750P's can be combined using the mixer inputs on each cabinet and coupling the loop outputs. This way you would have the ideal presentation system with two microphone inputs and two line inputs without any additional mixer.

The microphone input has equalization and high pass filtering appropriate for vocal applications. The trim control allows looped cabinets to be individually adjusted in level. The NX750P has user defeatable 100Hz high pass filters to allow the cabinet to be used more efficiently with any Yorkville active subwoofer.

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.

- NXF6000 - Steel U-Bracket flying assembly
- NXF600W - Wall Mounting Bracket (to attach NXF35U assembly to wall or pillar)
- NXF600A - Array Link Assembly (to properly array NXF600U flying assemblies - sold in pairs)

NX750P Specifications:

Model	NX750P
SYSTEM TYPE	Active 2-Way Bi-Amplified
PROGRAM POWER (watts)	650 LF + 100 HF
IMPEDANCE (ohms)	-
FREQ. RESPONSE (Hz +/- 3dB)	50 - 26000
SENSITIVITY (dB@1W/1m)	-
MAXIMUM SPL (dB)	126
X-OVER FREQUENCY (Hz)	1300
LF DRIVER(S)	15" Neodymium 3" voicecoil
HF HORN	Injected Molded Waveguide
HF DRIVER	1.5" Polyester
HF HORN THROAT DIAMETER	1"
HF DISPERSION (H° x V°)	80 x 50 Rotatable
HF PROTECTION	Thermal/Peak Limiter
LF PROTECTION	Thermal/Overcurrent
CONSTRUCTION	Injection Molded
GRILLE	Perforated Metal
INPUTS	XLR-F (mic) / 1/4" TRS x 2 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 x 2
HANDLES	1 x Side Bar
FLYWARE TYPE / QUANTITY	1/4-20 x 5
FLYWARE LOCATIONS	2 Top / 2 Back / 1 Bottom
OPTIONAL ACCESSORIES	NXF Brackets
STAND MOUNT ADAPTOR	Yes
DIMENSIONS (DxWxHxBW inches)	32 x 22 x 15 x 9.5
DIMENSIONS (DxWxHxBW cm)	84 x 56 x 38 x 24
WEIGHT (lbs / kg)	62 / 28