



NX

Powered Series

NX750P-2

Overview

The NX750P-2 represents the culmination of all Yorkville's research and development in molded technology to this point. The injection molded, internally multi-fin-braced enclosure supports a high-performance 15" high-powered woofer and rotatable 80° x 50° custom ABS waveguide horn, all protected by a perforated metal grill. A rugged carrying handle, speaker stand socket and reinforced threaded flypoints are also built in.

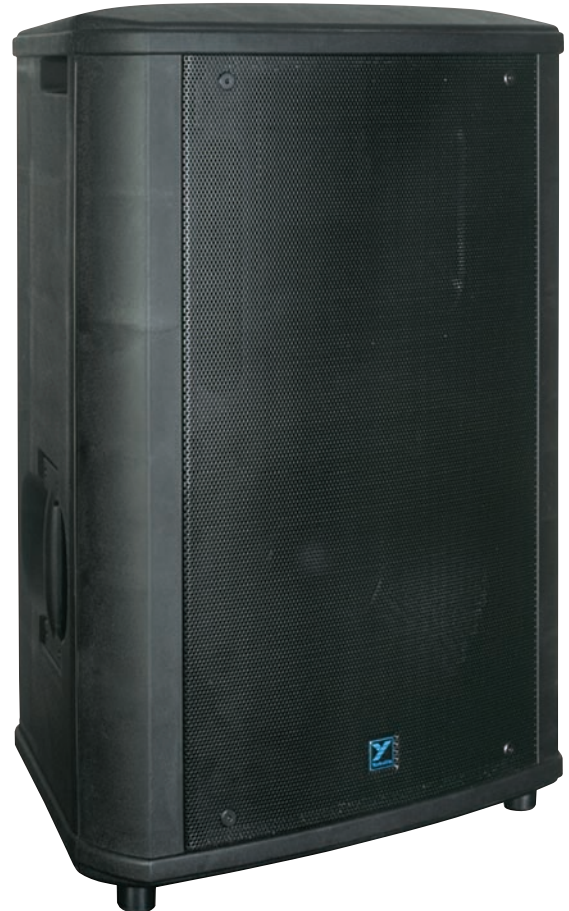
Innovative biamplified power module uses a two-tier class H linear technology to produce loud clean transients to match the high output of the woofer. Its two-tier design technology is lower in weight and more efficient than conventional amplifiers while providing higher headroom and lower operating temperature - a perfect solution for powering the top end.

A newly designed switch-mode amplifier drives the woofer in the NX750P-2. The amplifier uses Class D switching technology, in part to reduce overall weight - it also runs cooler. Class D technology is similar to the power supply found in the trend-setting Elite EF500P's amplifier. Of particular significance is this technology's inherently low heat production which ensures reliability in a wide range of environments. Then the NX750P-2's combination of neodymium woofer magnetics and lightweight composite enclosure materials further ensure that all this remarkable performance comes in a lightweight, durable package.

Added to this is a great degree of versatility. For example the NX750P-2 can easily be used in any orientation - vertical or horizontal (eg stand-mounted or as a floor monitor) - close to walls in installations (flypoints are built-in) or in arrays with multiple NX750P-2s. There is also a versatile direct input system and built-in mixer. The mixer allows the NX750P-2 to be used directly with a microphone and/or a line source.

A "loop" output allows multiple NX750P-2s to be interconnected with mic or patch cables and controlled by one cabinet's mixer stage or direct line input. Here's another versatile trick - you can combine NX750P-2's using the mixer inputs on each cabinet and coupling the loop outputs to provide a complete, easy-to-use PA with its own microphone inputs and line inputs for background music or other audio. It's ideal for duos in small clubs, also presentations or teaching applications. Many NX750P-2's can be linked together but a maximum of three "mixers" can be active at any one time making three mic sources and six line sources available in any three-or-more-cabinet arrays. The trim control allows looped cabinets to be individually adjusted in level. Finally, the microphone input has bass and treble equalization and a 100Hz selectable high-pass filter appropriate for vocal-only applications or to let you add NX or Elite powered subwoofers, without a crossover.

Acoustic performance is ultimately the most important factor in any loudspeaker. The NX750P-2 offers 134dB (Peak) of maximum sound pressure potential and a wide, smooth audio range to ensure fidelity throughout the audience area.



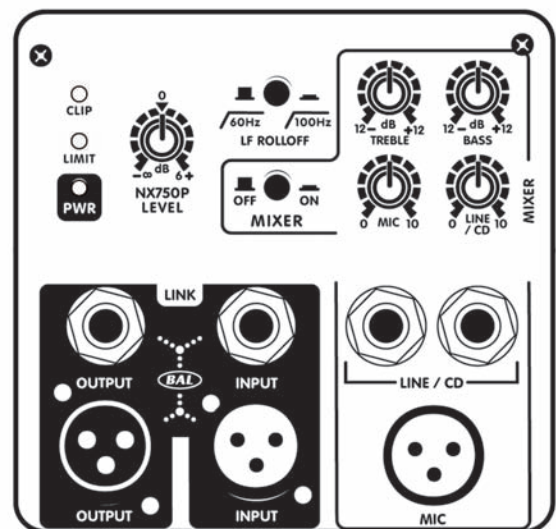
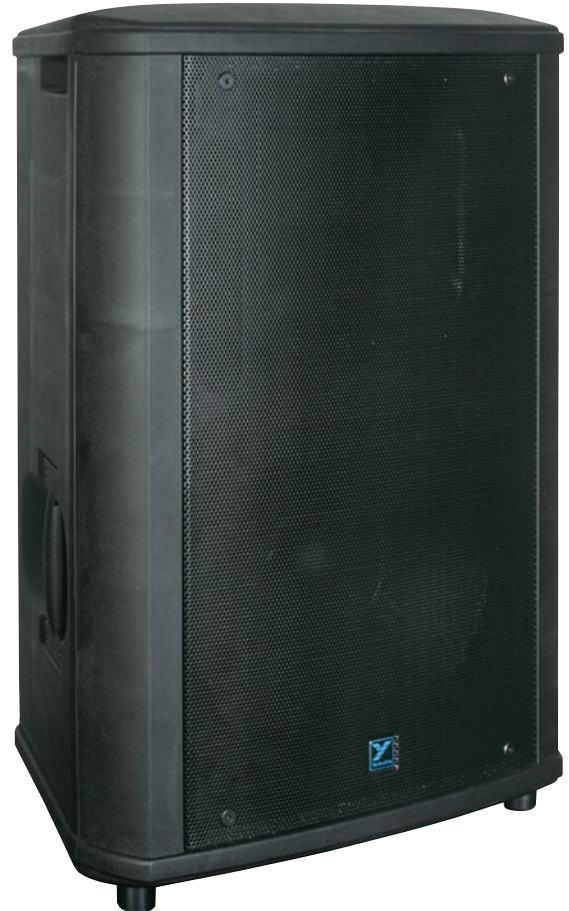


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Features

- Integrated 1600 Watt Amplifier (Peak - 750 Watts Program)
- Max SPL 133dB Peak (127dB Continuous)
- Ultra-light injection molded Polypropylene construction
- Dual purpose full range and wedge monitor format enclosure
- Ultra-clear reproduction throughout bandwidth
- Lightweight, high efficiency, high tech Bi-amped power module
- Proven TX style processing and component protection
- +6dB/-infinity input trim control
(for individual cabinet level adjustment)
- XLR and TRS inputs / outputs for easy connection and looping
- Multi-input source mixer for direct inputs
- Direct microphone input with level control
- Two-way overall EQ controls
- High quality 1.5" High Frequency driver
- Rotatable 80° x 50° horn
- Next generation woofer / driver / horn technology
- Integrated flying hardware (1/4-20 threaded holes)
- Tough, full length metal grille
- Recessed Mixer panel
- Made in Canada



NX750P Rear Panel

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Specifications

System Type	2-Way
Active or Passive	Active
Program Power (Watts)	750 Watts (1600 Watts Peak)
Biampable	Self Powered
Max SPL (dB)	133dB Peak (127dB Continuous)
Frequency Response (Hz +/- 3dB)	50 - 26k
Crossover Frequency (Hz)	1400
Driver Configuration	15-inch / 1.5-inch
HF Driver(s)	1.5-inch Polyester voicecoil (1-inch Throat)
HF Dispersion (°H x °V)	80 x 50 rotatable
LF Driver(s)	15-inch w/ 3-inch voicecoil
HF Amplifier Type	Two Tier Class H
LF Amplifier Type	Class D
Power Cable	Yes
Power Switch	Yes
Inputs	7
Inputs - 1/4" Jacks	2 (line input) 2 (link in/out)
Inputs - XLR	1 (mic) 2 (line in/out)
Input Sensitivity (Vrms Sine)	+4dBv / 1.23V
Mixer Controls	Mixer on/off switch Mic Gain, Line/CD Gain Treble/Bass Tweak
Level Controls	+6dB/-infinity Main Volume
EQ Controls	100Hz HP Filter (LF Rolloff)
Limiter	Yes
LED Indicators	Power/Clip/Limit
Other Controls / Features	Side recesses for ease of lifting
Feet	Yes
Flying Hardware	1/4-20 x 5 - 2 (Top), 2 (Bottom), 1 (Pullback)
Optional Flying Hardware	NX Flyware
Bar Handles	1 (Side)
Pole Mount Adapter (1 3/8"-3.5cm)	Yes
Enclosure Materials	Injection molded Polypropylene
Grille	Perforated Metal
Dimensions (DWH xbackW, inches)	15 x 22 x 32 x 9.5
Dimensions (DWH xbackW, cm)	38 x 56 x 84 x 24
Weight (lbs/kg)	62 / 28

Specifications subject to change without notice

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