



# XLT43

**PRELIMINARY  
SPECIFICATIONS**

## TWO-WAY TRAPEZOIDAL LOUDSPEAKER

### APPLICATIONS:

- Sound Reinforcement/Portable PA
- Clubs
- Houses of Worship
- Sport Facilities & Health Clubs
- Industrial A/V
- Keyboard Systems

### FEATURES:

- 1" Titanium HF Driver
- Switchable Passive/Biamp Modes
- HF Level Switch
- PowerSense™ DDP Circuit with Front/Rear Indicators
- Trapezoidal Enclosure for Arraying
- Steel Bar-Handles and Input Panel
- Black-Carpeted Exterior

### DESCRIPTION

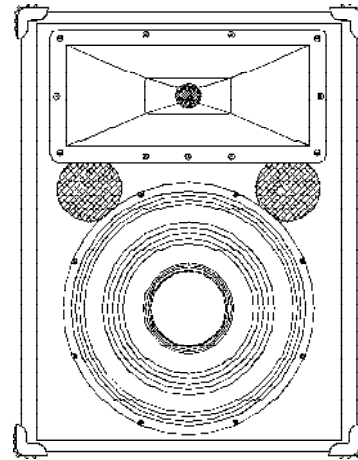
The XLT43 is a compact, trapezoidal, two-way full-range loudspeaker system. Its high efficiency and clear, articulate output combined with a full, smooth response provides the superior sound projection needed of PA systems. It uses a unique 1" titanium diaphragm HF compression driver coupled to a large format, 90 x 40 degree Pattern Control horn for extended highs and wide-range pattern control. A Ferrofluid-cooled 15" woofer provides excellent low frequency response and high power handling capability. These components are matched to a heavily braced, optimally tuned, bass-reflex enclosure.

The XLT43's robust crossover seamlessly integrates the acoustic outputs of the high and low frequency components. To help ensure continued operation and reliability, the PowerSense™ DDP (Dynamic Driver Protection) circuit monitors the power input to each driver and absorbs excessive power inputs that might otherwise damage them. A rear panel LED as well as front visible indication illuminate when the PowerSense™ circuitry is active, warning the operator of the excessive power input. To provide stable, long-term operation, the crossover is built on a steel input panel and uses 250V film capacitors, precision inductors and high-grade circuit boards.

A Passive/Biamp switch allows easy switch-over between two modes of operation. In Passive mode a single amplifier channel is used to power the loudspeaker. In Biamp mode two amplifier channels are used to separately power the HF and LF sections. No external electronic crossover is required. An HF Level switch is provided to "voice" the system for different musical styles or room acoustics.

The XLT43 has two Neutrik Speakon NL4MP jacks and two 1/4" phone-type jacks. In Passive mode, all jacks are wired in parallel to allow easy daisy-chaining of two systems. The 4-pin Neutrik connector is used in Biamp mode for both the HF and LF inputs. Stackable, injection molded corners mate with the other XLT models (except the XLT48 monitor). Extended and increased bass output can be provided by the addition of the XLT55 dual 15" subwoofer. The XLT43's footprint matches the XLT55 for easy stacking.

The steel recessed bar-handles, 16 gauge perforated steel grille, and black carpeted exterior make this system attractive, rugged and easily transportable. The XLT43 is provided with a 1-3/8" stand socket on the bottom and has 5/16"-18 threaded inserts on its top, sides, and bottom for permanent mounting.



### SPECIFICATIONS

#### Loudspeaker Type:

Two-way, Full-Range, Bass-Reflex System

#### Frequency Response: 50 Hz to 18 kHz

#### Power Handling:

Passive: 200W RMS; 500W Program

Biamp LF: 200W RMS; 500W Program

HF: 50W RMS; 125W Program

#### Sensitivity (1 Watt / 1 Meter):

98.5 dB SPL

#### Nominal Dispersion: 90° Horizontal, 40° Vertical

#### Nominal Impedance:

Passive: 8 Ohms

Biamp LF: 8 Ohms ; HF: 8 Ohms

#### Crossover Frequency: 2kHz

#### Drivers:

One 1" Titanium compression driver on a Pattern Control horn

One 15" woofer, Ferrofluid-cooled

#### Speaker Protection: PowerSense DDP Input

#### Connectors:

Two Neutrik Speakon

Two 1/4 inch phone jacks

#### Enclosure Material and Finish:

Black carpet covered oriented strand board

16 gauge perforated steel grille and steel handles

#### Dimensions:

Height: 27 inches (686 mm)

Width - face: 20.25 inches (514 mm)

Width - rear: 13.25 inches (337 mm)

Depth: 18 inches (457 mm)

#### Weight: 68 lbs. (31 kg.)

#### Shipping Weight: 76 lbs. (34.5 kg.)

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**COMMUNITY PROFESSIONAL LOUDSPEAKERS**

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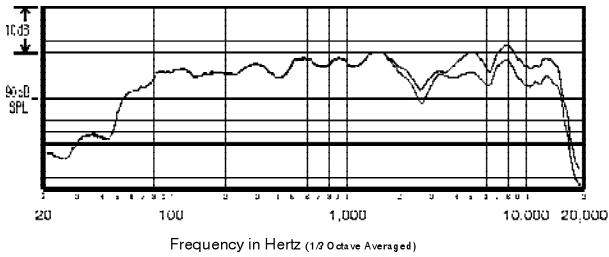


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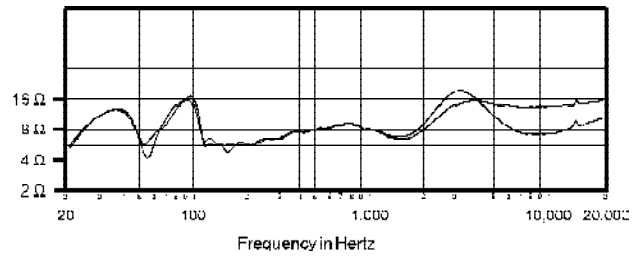
### FREQUENCY RESPONSE

PASSIVE MODE



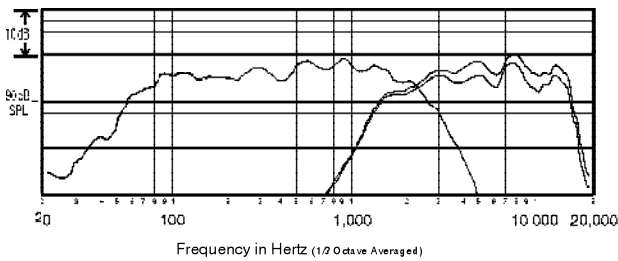
### IMPEDANCE

PASSIVE MODE



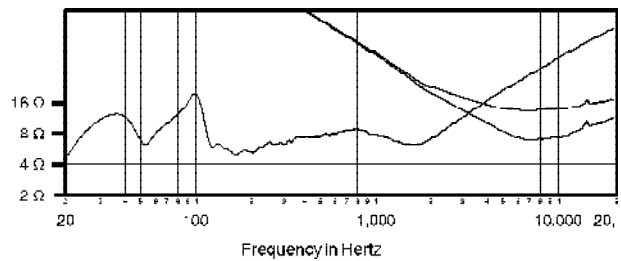
### FREQUENCY RESPONSE

BIAMPLIFIED MODE

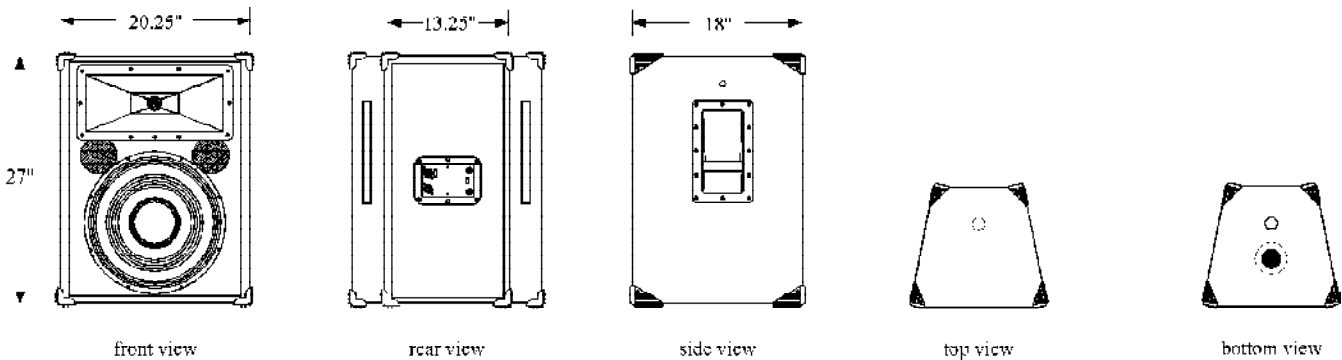


### IMPEDANCE

BIAMPLIFIED MODE



### DIMENSIONS



### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker system shall be a direct-radiating, bass-reflex design with one Ferrofluid-cooled 15 in. woofer and one 1 in. titanium diaphragm compression driver coupled to a Pattern Control horn. All components shall be connected to an integral crossover/protector. The crossover/protector shall be a two-way design with 12 dB/octave low pass at 2 kHz to the woofer and 12 dB/octave high-pass at 2 kHz to the high-frequency driver. The crossover shall utilize a steel input panel with Neutrik NL4MP and 1/4 in. jacks, glass-epoxy circuit boards, high quality 250V film capacitors, heavy air-core inductors, high positive current coefficient resistors (HPCCR's) for component protection, and front/rear overcurrent indicators. A Passive/Biamp switch shall allow operation using one or two amplifier channels without need of an electronic crossover. An HF level control shall be switchable between Flat and +4 dB. The loudspeaker enclosure shall be constructed of well-braced OSB, covered in black carpeting with eight, stackable, injection molded corners, a 16 gauge perforated steel grille and two recessed, steel bar handles. The system shall meet the following performance criteria: Amplitude response of 50 Hz to 18,000 Hz, 200WRMS power handling, 98.5 dB sensitivity at 1 meter with one watt applied. The horn coverage pattern shall be 90° H x 40° V. The loudspeaker shall be 27 in. (686 mm)H x 20 in. (514 mm) W (front) x 13.25 in. (337 mm) W (rear) x 18 in. (457 mm) D and weigh 67.5 lb. (30.6 kg). The system impedance shall be 8 ohms nominal.

### LIMITED WARRANTY

Community XLT loudspeaker systems are guaranteed to be free from defects in materials and workmanship for a period of five years from the original date of sale. Since the warranty applies to the product, the remainder of the warranty period will be automatically transferred to any subsequent owner. Only failures caused by defects in materials and workmanship are covered, not failures caused by abuse, accident, modification, improper handling/installation, or repairs made without factory authorization or by other than an authorized Community Field Service Station. Products covered by this warranty will be repaired or replaced at the option of Community, without charge for materials or labor, provided all the terms of this warranty have been met. This statement is a condensed version of the Community Product Warranty, intended for quick reference only. For complete warranty information, consult the product owners manual or call (610) 876-3400 for a copy.

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