

KT-12A

Active 12" 3-Way Line Array Loudspeaker



Features

- ▶ Line array design with variable curvature angles
- ▶ 12" woofer and 6.5" mid-range woofer with 2" voice-coils
- ▶ 1.4" compression tweeter with titanium diaphragm and neodymium magnets
- ▶ Straightforward rigging system allows splay angles from 0° to 8°
- ▶ 100° x 10° constant directivity coverage angle
- ▶ 1840 Watt multichannel digital power amplifier
- ▶ Onboard DSP for increased safety and application of signal processing
- ▶ PC user interface included for control of volume, crossover, limiter and more
- ▶ Exceptionally wide frequency response: 60Hz - 19KHz
- ▶ Bass-reflex configuration for extended low-end response
- ▶ Sturdy, multi-layer birch plywood construction with tough black coating
- ▶ XLR input and link 'thru' connectors as standard
- ▶ PowerCON AC power input/output

Description

Phonic is set to revolutionize line array technology with the introduction of the KT series. The KT series consists of adaptable line array systems housed in attractive yet rugged trapezoidal enclosures. The series was designed to be easily adaptable to any situation with easy configuration, low weight and versatility being prime concerns during development.

The KT-12A is a 3-way system encompassing a 12" bass-reflex woofer, 6.5" mid-range and 1.4" compression tweeter. It features a high performance multichannel digital amplifier with 1840 Watts total output, a high-end 64-bit DSP and superior AD-DA converters.

The onboard DSP provides convenient signal processing with latency less than 600 milliseconds, offering such vital functions as input/output delay, volume control, parametric equalization, crossovers, limiter, automatic temperature control and system monitoring. System control and monitoring can be accomplished through USB and Ethernet using the included PC software. Multiple units can be grouped within the software and have their properties adjusted simultaneously.

Complete with a flexible rigging system allowing for splay angles anywhere between 0° and 8°, the KT series is able to provide coverage for any and every large venue. Expand your line array with multiple units and suspend for maximum coverage. PowerCON power input and link connectors allow multiple units to be powered without the need for multiple AC power cables. Please remember that setup and suspension of a line array should be done by qualified personnel only.

For a versatile, scalable system that can be flown or ground stacked – ideal for everything from theatres and concert halls to stadiums and arenas – the KT line array systems definitely fit the bill.

KT SERIES

Active Line Array Loudspeaker Systems

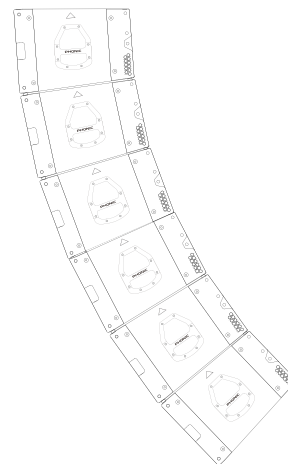


Rear Panel

Specifications

| KT-12A | |
|------------------------------|---|
| Woofers | 12" |
| Mid-range | 6.5" |
| Tweeter | 1.4" titanium diaphragm compression driver |
| Frequency Range (-3dB) | 60Hz - 19KHz |
| Horizontal Coverage | 100° |
| Vertical Coverage | 10° |
| Nominal Amplifier Power | LF: 1000 Watts MF: 600 Watts HF: 240 Watts |
| On-Axis Sensitivity 1W/1m | LF: 102 dB MF: 106 dB HF: 109 dB |
| Rated Maximum Peak SPL at 1m | LF: 135 dB MF: 135 dB HF: 136 dB |
| DSP Latency | 600mS |
| Sampling Rate | 48 kHz |
| DSP Processing | Volume Control, Crossover/EQ, Limiter, Delay, Phase, Grouping, Thermal Protection |
| Presets | 50 Factory / 50 User |
| Control Interface | USB / Ethernet (PC Software Included) |
| LED Indicators | Peak (Red), Signal (Yellow), On (Green) |
| Input & Output Connectors | 2 x XLR |
| Nominal Input Level | +6dBu |
| Maximum Input Level | +23dBu |
| Nominal Output Level | +11dBu |
| Maximum Output Level | +12dBu |
| Power Connectors | 2 x PowerCON |
| Enclosure Material | 15mm multi-layer birch plywood, 8mm hexagonal black steel mesh |
| Color | Black |
| Rigging System | Included flight pin and u-clip/shackle Optional grid assembly flight frame |
| Dimension (HxWxD) | 400 x 1000 x 550 mm (15.7" x 39.4" x 21.7") |

Configuration



Suspended
Line Array

Included Accessories



U-Clip/Shackle



Flight Pins

Optional Accessories



Grid Assembly Flight Frame
(W: 760mm / 1000mm)



Flight Case