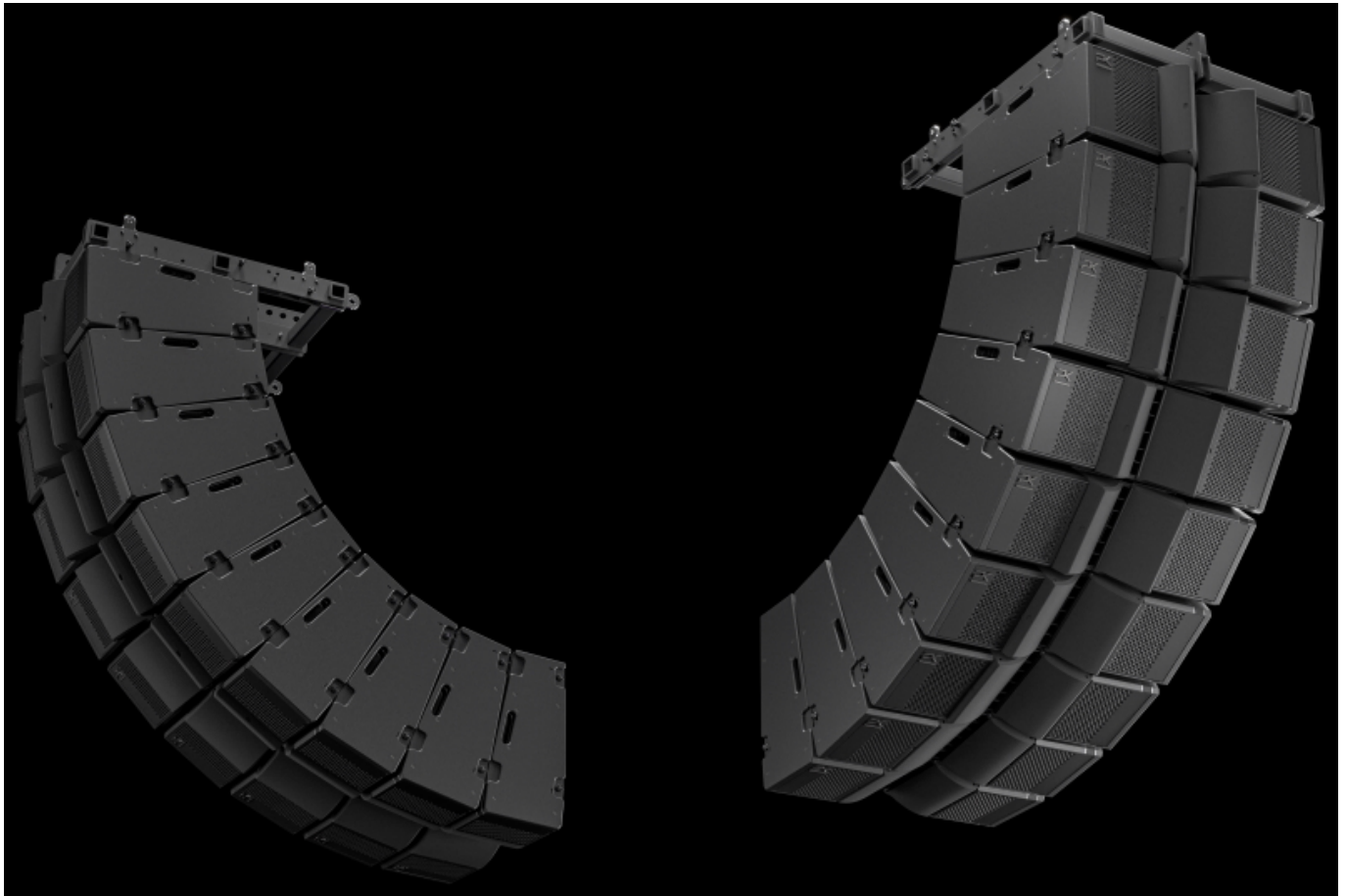


PK Sound T8 Robotic Line Source System



PK Sound is now shipping the T8 robotic line source element, the sub-compact member of the industry's first robotically controlled line source range. Featuring PK's patented multi-axis robotics, T8's stunning output – with peak SPLs reaching 143.5 dB – is precisely controlled down to 400 Hz in both the vertical and horizontal planes. The result is an unparalleled degree of flexibility and precision in system dispersion for designers or operators in virtually any application.

In tandem with the accompanying T18 intelligent subwoofer, PK Cell modular touring rack, and .dynamics control software, the T8 system delivers PK Sound's patented remote and real-time multi-axis robotic coverage control to a wider range of users and applications in the touring and rental, performance installation, theatrical, worship, nightlife, and corporate event verticals.

Integrated inclinometers and network-based Auto-Array via PK .dynamics software enable each T8 module to recognize its position and angle within the system, enhancing the speed, safety, and accuracy of any deployment. Robotic control, onboard DSP, and network data are routed through the world's first implementation of Neutrik's DR Series of IP65-rated connectors for maximum stability.

A pair of vented 8" Tetracoil transducers with custom phase plugs manage low-frequency response while a Dual Ring Radiator coaxial compression driver handles mid and high frequencies. This three-way, high-directivity design offers detailed and variable pattern control of frequencies from 20 kHz down to 400 Hz, resulting in significant SPL reductions between on-axis and off-axis coverage points. A two-channel VE15 1,400 W Class D amplifier maximizes headroom while maintaining crystal clear audio and exceptional output.

T8's waveguide is robotically manipulated to offer variable symmetric and asymmetric horizontal dispersion in 49 configurations from 60°-120° so users can shape an array's radial directivity remotely and in real time. This enables the configuration of tapered arrays, precisely tailored to the meet the unique coverage requirements of any venue or event. Users can focus energy on the audience and away from reflective surfaces or obstacles in indoor venues for maximum intelligibility, and mitigate noise impact on onsite points-of-sale or surrounding commercial and residential areas in outdoor applications.

Flown straight, the array's directivity is then configured remotely using industrial linear actuators. Vertical angles are variable with 0.1° accuracy, and an entire system can easily be configured and flown by a single operator. A combination of FIR and IIR filters is applied to ensure smooth frequency response throughout the listening area.

The high-output, low-profile T18 intelligent subwoofer offers outstanding low-frequency performance with peak SPLs of 140.4 dB and an operating range of 25-100 Hz. Sharing many internal components with PK Sound's flagship T218 subwoofer, T18 features a front-loaded, long-excursion 18" transducer in a bass reflex design for clean and punchy output. A large, unrestricted vent enables high SPL performance with minimal port distortion.

A single field-replaceable module located on the rear of the cabinet contains the 2,700 W Class D amplifier, control electronics, and power supply. DSP and Milan-ready networking simplify set-up and calibration while optimizing acoustic performance even for advanced deployments including cardioid configurations and arc delays.

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