

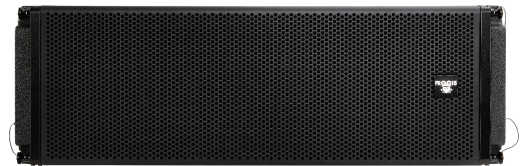


# FA-2X8A

## Dual 8-inch, Two-way Active Line Array Speaker

The Frog-is FA-2X8A stands as a professional-grade dual 8-inch two-way three-driver line array speaker, engineered to deliver exceptional acoustic performance, stable sound distribution, and reliable operation across diverse professional scenarios.

Built with advanced acoustic engineering and high-quality components, it meets the rigorous demands of audio professionals, ensuring immersive and consistent sound experiences for audiences.



### Precision Acoustic Balance & Directivity Control

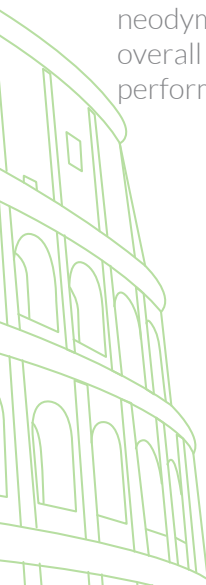
The FA-2X8A adopts a symmetrical mid-bass driver layout: two 8-inch neodymium carbon fiber woofers are arranged in a linear symmetric pattern, which eliminates mid-bass energy cancellation and solves the common issue of uneven energy distribution between mid-bass and treble. The 3-inch neodymium compression tweeter, paired with a Frog-is-designed treble waveguide horn, boosts high-frequency sensitivity to 110dB (1M/1W) and maintains strict 100°×10° coverage control—ensuring every audience position, from front-row to rear seats, receives consistent sound with minimal distortion.

### Robust Build & User-Centric Installation

Crafted from high-density birch plywood, the cabinet offers excellent structural rigidity to reduce resonance and enhance sound clarity; the scratch-resistant textured paint ensures durability for long-term use and frequent transport. The symmetrical cabinet design concentrates the center of gravity at the midpoint, improving stability during suspension. The three-point adjustable suspension system (0°-10°) supports precise angle calibration, allowing audio teams to adapt the speaker to curved audience areas, stadium tiers, or theater balconies—simplifying setup while ensuring secure mounting.

### Professional-Grade Compatibility & Reliability

Equipped with an industry-standard NL4MP four-core Speakon socket, the FA-2X8T ensures stable signal transmission and seamless compatibility with professional power amplifiers, mixers, and audio processors. The 4th-order Butterworth crossover (2.2kHz) provides sharp frequency separation between HF and LF channels, preventing driver overload and preserving audio detail. Additionally, the neodymium magnets in both woofers and tweeters offer high magnetic flux density while reducing overall weight (23.4kg), making the speaker easier to transport for mobile events without compromising performance.





## Product Applications

- Mobile Performances (Outdoor Concerts, Festivals):**  
 The compact size (568×455×250mm) and 23.4kg weight facilitate easy loading and setup; the 130dB peak SPL cuts through ambient noise, while the 100° horizontal coverage ensures sound reaches scattered outdoor audiences—delivering dynamic vocals and punchy low-end for live music.
- Stadiums & Sports Venues:**  
 When deployed in line arrays, the 10° vertical coverage and 129dB LF SPL enable long-distance sound projection (up to 50+ meters), making announcements, sports commentary, and pre-game music clear for thousands of attendees in upper tiers.
- Theatres & Auditoriums:**  
 The precise directivity control and balanced frequency response (70Hz-18kHz) preserve the subtlety of dialogue, live theater scores, and film soundtracks—ensuring audiences in narrow auditorium seats or balcony rows experience the same immersive sound as front-row viewers.
- Conference Halls & Event Spaces:**  
 The reliable signal transmission and easy installation make it ideal for corporate lectures, weddings, or product launches; the clear mid-range reproduction ensures speech intelligibility, while the adjustable suspension adapts to small meeting rooms or large ballrooms.

## Product Specification

Acoustic parameters	
Frequency Response	70Hz - 18kHz (±3dB)
Sensitivity (1W/1m)	HF:110dB LF:98dB
Rated Power	HF:160W LF:800W
Nominal Impedance	HF: 16Ω; LF: 16Ω
Woofer Configuration	2×8-inch Neodymium carbon fiber subwoofer (65mm voice coil)
High-Frequency Unit (Tweeter)	1×3-inch Neodymium tweeter (75mm voice coil)
Nominal coverage angle (H xV)	100°×10°
Maximum Sound Pressure Level (SPL)	HF:130/136dB LF:124/130dB
Hanger	Three-point suspension with adjustable range from 0 to 10°
Connectors	Professional NL4MP four-core sockets (2 units), 2+2-HF and 1+1-LF configurations
Dimensions (W×D×H)	568×455×250 (mm)
Net Weight (kg)	23.4kg

