TECHNOLOGIES

- **Concentric Summation Array (CSA)**: A method of seamlessly integrating MF and HF components within a single horn. With CSA, multiple subsystems sum coherently, without interruption to either HF or MF wavefronts.

- **Phase Aligned LF**: Tuned spacing of LF components to extend pattern control without the need for enormous horns.

- **Focusing**: Use of advanced digital signal processing to perfect the impulse response of a loudspeaker in the time domain. Eliminating horn “honk” and splashiness, this makes the loudspeaker sound like a studio monitor instead of a “PA” speaker.

- **Symmetry of Sources**: Symmetrical arrangement of acoustic sources along a common axis for utmost consistency throughout the coverage pattern.

- **DynO**: Dynamic Optimization actively tracks input spectrum and power delivery, continually maximizing output and fidelity at any drive level.

OVERVIEW

The KF810 line array system offers best-in-class output, true broadband pattern control, and integrated 3-way performance, hallmarks of the legendary KF series.

The KF810P incorporates specific design features tailored for the installation market: clean aesthetics offered in black or white, invisible wiring, and concealed 3-point rigging. A weather rated option allows for long term permanent installation in demanding environments backed by EAW’s full warranty.

Engineered for a wide variety of applications, the compact KF810 module is comprised of dual 3” voice coil high frequency compression drivers, four 5” mid-frequency transducers and two 3” voice coil high power 10” LF drivers. The output of these sources unites through an integrated horn that occupies nearly the entire forward face of the speaker enclosure, delivering up to 145dB with accurate pattern control to 250Hz to master the most challenging acoustic spaces.

KF810P
Installation Line Array

- Best in Class Acoustic Performance
- Optional 80° or 110° Dispersion
- Ultra-Clean Look
- Concealed Wiring and Rigging
TECHNICAL SPECIFICATIONS
3-WAY BI-AMP PASSIVE INSTALLATION LINE ARRAY

PERFORMANCE

Max SPL LF: 145dB
Operating Range: 50 Hz to 20 kHz
Nominal Beamwidth:
  Horz 110° or 80°
  Vert 10°
Input Impedance (ohms):
  LF 8
  MF / HF 8

PHYSICAL

Physical/Proprietary Rigging: 3-Point Proprietary Rigging
Dimensions (H × W × D): 12.6" x 32.9" x 17.4" (320mm x 835mm x 443mm)
Net Weight: 90lbs (41kg)
Shipping Weight: 100lbs (45.3kg)
Flyware: KF810P|FLYBAR - SEE RESOLUTION
Angle Increments: 0.0°, 0.9°, 2.0°, 3.2°, 4.3°, 5.4°, 6.6°, 7.7°, 10.0°

ORDERING DATA

Description: EAW KF810P 3-WAY BI-AMP PASSIVE LINE ARRAY
Part Numbers:
<table>
<thead>
<tr>
<th>Black</th>
<th>White</th>
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  KF810P-80| 2070007-90| 2070132-90|
  KF810P-110| 2070120-90| 2070131-90|
Subwoofer:
  SB818P-F| 2070134-90| 2070180-90|
Accessories:
  KF810P|FLYBAR| 2070266-90| 2070328-90|

CONFIGURATION

Subsystem: Transducer Loading
  | LF | MF / HF |
  | 2X 10in, 3.0in VC | Ported, Phase Aligned |
  | 4X 5in, 1.7in VC | Horn-loaded w/CSA™ Aperture |
  | 2X 1.4in exit, 3in VC | Horn-loaded |
Operating Mode:
  Amplifier Channels External Signal Processing
  Bi-amp LF, MF / HF DSP w/EAW Focusing

Recommended Amplifier Configuration for KF810P

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<thead>
<tr>
<th>MODEL</th>
<th>PER CHANNEL</th>
<th>PER AMPLIFIER</th>
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