

KF810P

Installation Line Array

- ▶ Best in Class Acoustic Performance
- ▶ Optional 80° or 110° Dispersion
- ▶ Ultra-Clean Look
- ▶ Concealed Wiring and Rigging



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.

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.

KF810P Module

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°

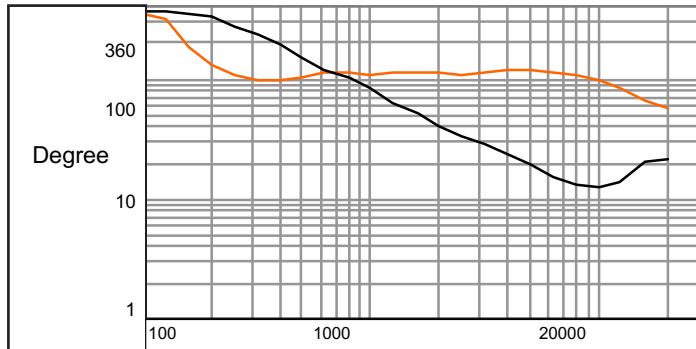
Input Impedance (ohms):

LF 8

MF / HF 8

Beamwidth

Horizontal = orange, Vertical = black



PHYSICAL

Physical/Rigging 3-Point Proprietary Rigging

Dimensions (H x W x 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:

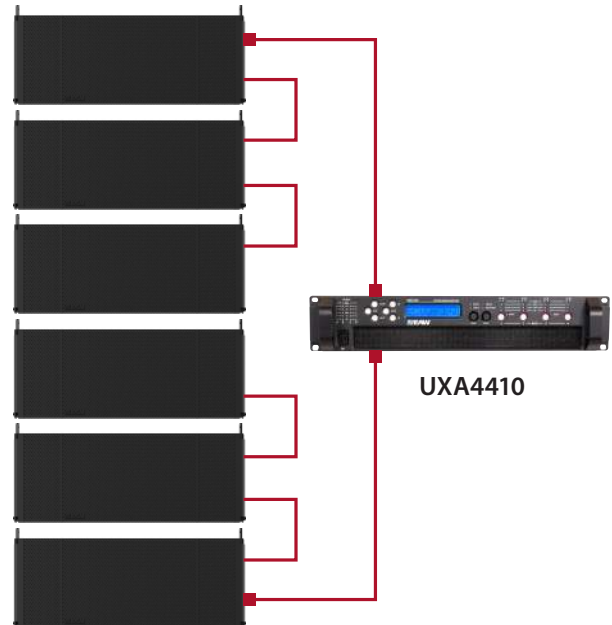
	Black	White
KF810P-80	2070007-90	2070132-90
KF810P-110	2070120-90	2070131-90
Subwoofer		
SB818P-F	2070134-90	2070180-90
Accessories		
KF810P FLYBAR	2070266-90	2070328-90

CONFIGURATION

Subsystem:	Transducer	Loading
LF	2X 10in, 3.0in VC	Ported, Phase Aligned
MF	4X 5in, 1.7in VC	Horn-loaded w/CSA™ Aperture
HF	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

MODEL	PER CHANNEL	PER AMPLIFIER
UXA4810	1	4
UXA4406	2	4
UXA4410	3	6



One Main Street
Whitinsville, MA 01588
Tel 800 992 5013 / +1 508 234 6158
www.eaw.com

