

MKD1200 Series

3-Way Full-Range Loudspeakers

- ▶ High output passive or bi-amplified three-way performance
- ▶ Large format coaxial compression driver with extended bandwidth
- ▶ Precision EAW signature broadband pattern control
- ▶ Flexible mounting, weather protection, color and transformer options

OVERVIEW

The MKD installation loudspeaker series is engineered to deliver the high output, broadband pattern control and exceptional fidelity that is required by real-world applications from stadiums to intimate music clubs.

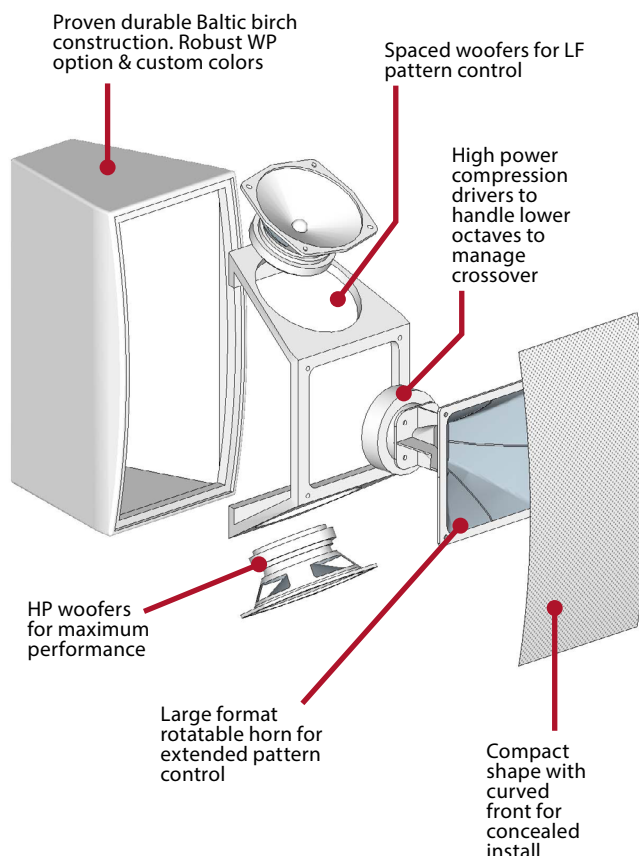
MKD builds on EAW's long standing tradition of exceptional installation focused loudspeakers developed in partnership with consultants and sound system integrators worldwide. The compact durable Baltic birch enclosure provides for easy installation with an array of M10 mounting points and optional wall-mount or ceiling-mount brackets. MKD also offers weather protection options, custom colors, and a gently curved front allow for concealed installations in the most visually sensitive environments.

MKD leverages the design tenets and core technologies deployed in our QX series by deploying a pair of spaced low frequency transducers centered around a large format rotatable horn. The acoustically advanced transducers are able to be driven an octave lower than standard drivers through the use of our beamwidth matched crossover technology.

MKD1294 MKD1264 MKD1296
▶ 90° x 45° ▶ 60° x 45° ▶ 90° x 60°



INSIDE EAW TECHNOLOGIES



TECHNICAL SPECIFICATIONS

3-WAY FULL-RANGE LOUDSPEAKER

PERFORMANCE	MKD1294	MKD1264	MKD1296
Max SPL ¹	145dB	147dB	145dB
Flat SPL ¹	139dB	141dB	139dB
Operating Range ²	47Hz - 20kHz		
Nominal Beamwidth ³	90° Horizontal x 45° Vertical	60° Horizontal x 45° Vertical	90° Horizontal x 60° Vertical
Nominal Phase	±15° from ideal high-pass filter		
Input Impedance	LF=8Ω HF=8Ω LF/HF=8Ω		
ACCELERATED LIFE TEST			
LF/MF/HF	1200W @ 8ohms		
LF	1200W @ 8ohms		
MF/HF	140W @ 8ohms		
CONFIGURATION			
LF Transducer, Loading	2 x 12in Cone, 3in Voice Coil, Vented		
MF Transducer, Loading	1 x 2in Exit, 4in Voice Coil, Compression Midrange, Horn Loaded		
HF Transducer, Loading	1 x 2in Exit, 2.5in Voice Coil, Compression driver, Horn Loaded		
Operating Modes	Passive, Bi-Amp		
PHYSICAL			
Physical/Rigging	12 x M10 Mounting Points		
Dimensions (H×W×D)	32 H x 22.7 W x 20.6in D (813 H x 520 W x 530mm D)		
Net Weight	104 lbs / 47.2 kg		
Shipping Weight	125 lbs / 57 kg		
Mounting Accessories	U-Bracket, M10 Kit		
Input Connector	Terminal block		
ORDERING	MKD1294	MKD1264	MKD1296
Part Numbers			
Black	2071180	2070520	2070516
White	2071182	2070537	2070519
WP	2071189/ 2071192	2071188/ 2071191	2071187/ 2071190
Accessories			
M10 Kit	0028272 [4 PER]		
U-Bracket Kit	2071007 (Black)/2071204 (White)		

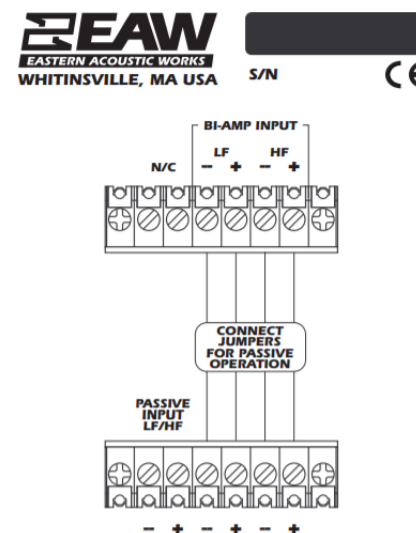
1 Calculated max SPL at 1m with 4:1 pink noise. Specified as whole space (free field) for full range loudspeakers, half space for subwoofers.

2. Operating Range: Range where the processed Frequency Response stays within -10 dB SPL of the power averaged SPL within this range; measured on the geometric axis. Narrow band dips are excepted.

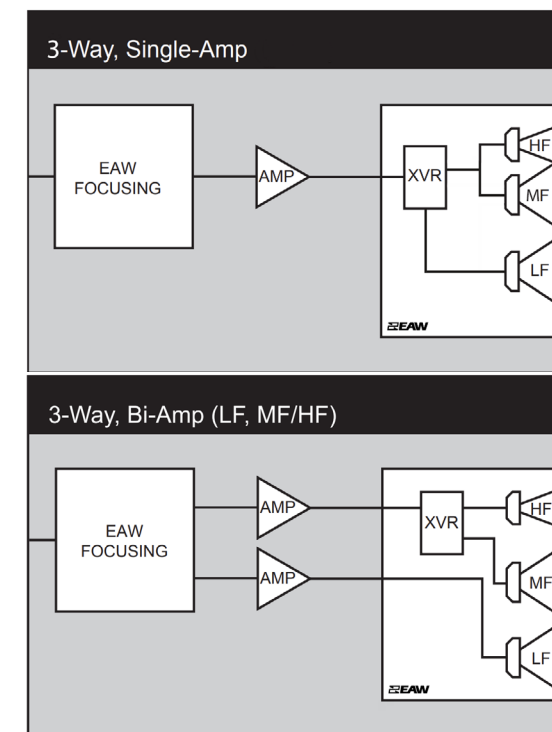
3 Nominal Beamwidth: Design angle for the -6 dB SPL points, referenced to 0 dB SPL as the highest level.

4 Accelerated Life Test: Maximum test input voltage applied with an EIA-426B defined spectrum; measured with recommended signal processing and Recommended Protection Filter.

INPUT



SIGNAL



LEGEND

HPF: High Pass Filter for crossover —or— Recommended High Pass Filter.

LPF: Low Pass Filter for crossover.

LF/MF/HF: Low Frequency / Mid Frequency / High Frequency.

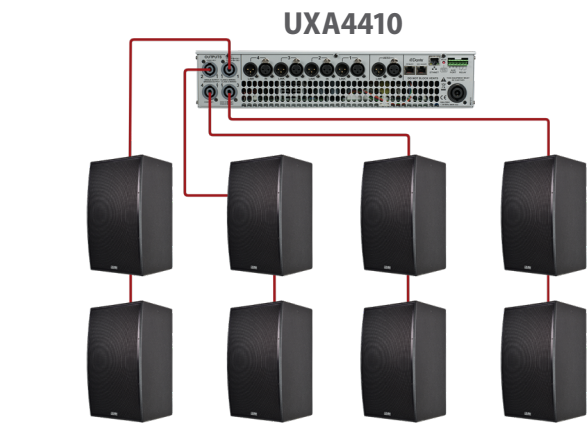
AMP: User Supplied Power Amplifier –or– Integral Amplifier for NT products.

XVR: Passive LPFs, HPFs, and EQ integral to the loudspeaker.

EAW Focusing: Digital Signal Processor capable of implementing EAW Focusing.

RECOMMENDED AMPLIFIER CONFIGURATION

PASSIVE



MODEL	PER CHANNEL	PER AMPLIFIER
UXA4810	1	8
UXA4406	1	4
UXA4410	2	8
UXA4403	-	2

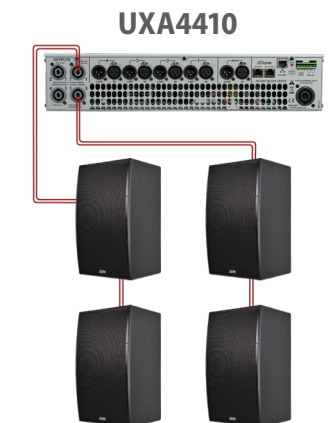
EAW strongly recommends utilizing the processing setting to take full advantage of your speakers. Pair with EAW UXA Amps for the best performance of EAW Core Technologies

RIGGING CONFIGURATION

Numerous M10 points for flexible mounting



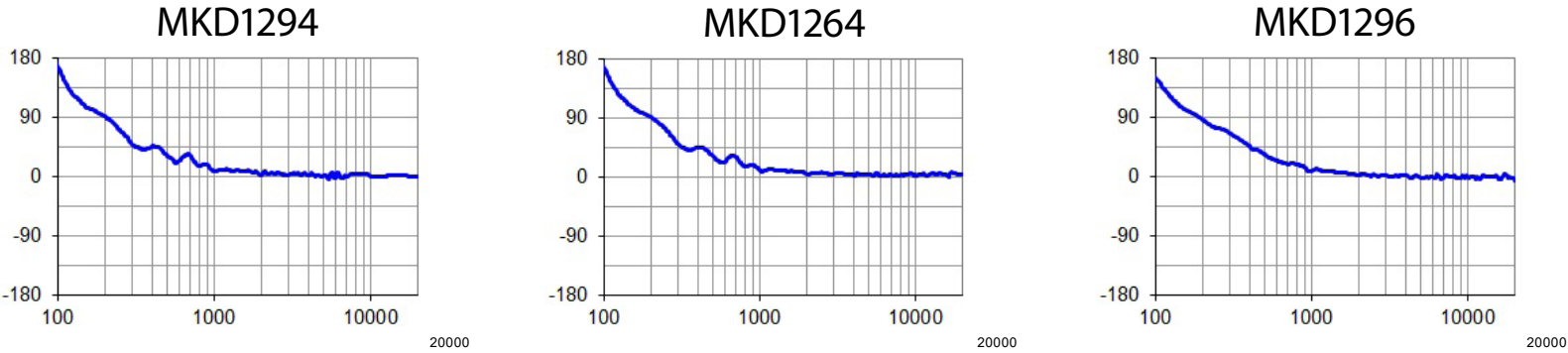
BI-AMP



Third-Party DSP Support
▶ BSS ▶ Powersoft
▶ QSYS

PERFORMANCE GRAPHS

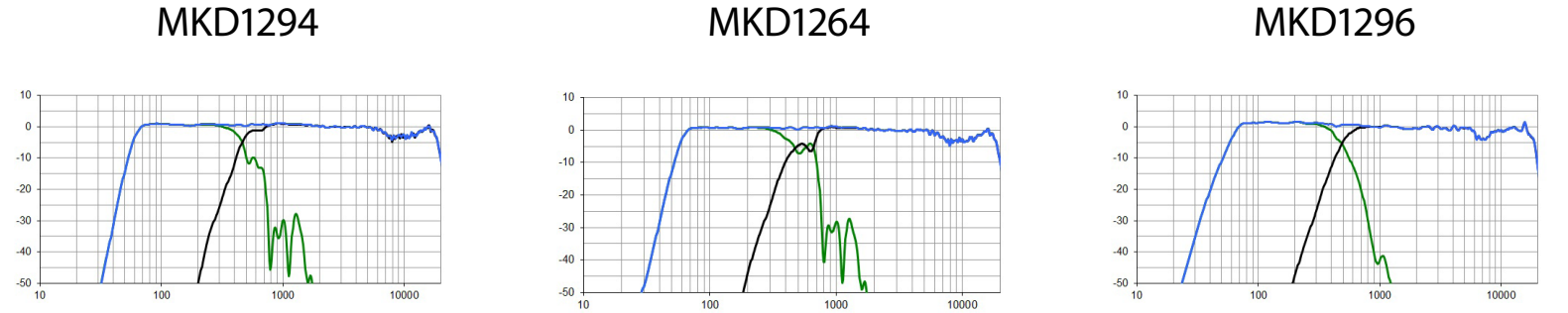
PHASE LINEARITY



BEAMWIDTH¹ ■=Vertical ■=Horizontal



FREQUENCY² ■=LF Processed ■=HF Processed ■=Overall Response Processed



1 Average angle for each 1/3 octave frequency band where, starting from the rear of the loudspeaker, the output first reaches -6 dB SPL referenced to 0 dB SPL as the highest level. This method means the output may drop below -6 dB SPL within the beamwidth angle.
2 Variation in acoustic output level with frequency for a constant input signal. Processed: normalized to 0 dB SPL. Unprocessed inputs: 2 V (4 ohm nominal impedance), 2.83 V (8ohm nominal impedance), or 4 V (16 ohm nominal impedance) referenced to a distance of 1 m.

MOUNTING HARDWARE

EAW	
DESCRIPTION	PART NUMBER
M10 Kit	0028272 [PA-A2 EYEBOLT KIT (4 PER)]
U-Bracket Kit	2071004

THIRD-PARTY COMPATIBLE

BRAND	MODEL
Adaptive Technologies	MM-120
Polar Focus	QX Mounting System