



Description

Introducing the Kayman-KY102-EBS, the evolution of our most powerful passive column array element. The standout features of the Kayman-KY102 line array with 8x4" transducers with PAT (Pure Array Technology) is now implemented with Electronic Beam steering.

Thanks to EBS, each of the eight woofers can be independently processed through FIR filters. This allows for dynamic control and manipulation of the sound beam, directing it precisely to the desired listening area. EBS provides a level of accuracy and flexibility that is crucial in adapting the system to diverse environments and applications. This is particularly essential in environments where the risk of sound leaks or dispersion is high, such as reflective halls where traditional speaker tilting is restricted.

EBS integration with PAT, combines accuracy and even coverage with maximum control over directivity and direction, and with an astonishing Max SPL of 138 dB, positioned the KY-102-EBS as a powerful and precise tool over its species.

To have all the features of an active system but with the resistance and maintenance of a passive steerable column, Kayman-KY102-EBS has a dedicated amplifier: the Kommander-KA-18-EBS with FIR-EBS implementation on board. Not to mention the power and efficiency of our Kommander-KA family of amplifiers, that makes this combo a complete powered-system.

With a sturdy and durable stainless steel enclosure and an IP64 rating, this system is even more suitable for outdoor applications and demanding conditions.

- 8x 4" Neodymium magnet woofers
- 138 dB_{peak} max SPL
- Pure Array Technology
- Electronic Beam Steering
- Dedicated amplifier with 8ch - FIR-processing with Kommander-KA18-EBS
- 8Ω - 32Ω selectable load impedance
- 16-pin connector - easy wiring
- Modular capabilities
- Visually discreet
- IP65 suitable for indoors and outdoors installations with dedicated IP accessory
- Stainless Steel
- Available in black, white and custom RAL color

All Kayman-KY02-EBS components are designed by the K-array R&D department and are custom made under the K-array quality control system.

Kayman-KY102-EBS






Technical Specifications	
Type	Passive line array loudspeaker with EBS
Transducers	8x 4" Neodymium magnet woofers
Frequency Response ¹	120 Hz - 20 kHz (-6 dB)
Max SPL ²	138 dB peak
Coverage ³	V. digitally adjustable H. 90°
Power Handling	8x 150W
Nominal Impedance	8x 4Ω
Connectors	Multicore 16-pin connector

Handling & Finishes	
Material	Stainless steel
Color	Black, White, Custom RAL
IP Rating	IP64
Dimensions (WxHxD)	116 x 1000 x 134 mm (4.6 x 39.4 x 5.3 in)
Weight	14.9 kg (32.8 lb)

¹ With dedicated preset.

² Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m and may vary depending on steering settings

Recommended Amplifier	
Kommander-KA18	KA18 with EBS firmware

Recommended Software and Apps	
K-Framework	 click to go 
K-Connect	   click to go
Web App	