



Description

The Pinnacle systems are the perfect combination of slim and sleek column loudspeakers with compact and powerful subwoofers.

The Pinnacle-KR802 II is composed of a self powered Thunder-KS4 I subwoofer, driving both the couple of Kayman-KY102 on its top and a separate passive column system made with Thunder-KS4P I subwoofer and two Kayman-KY102.

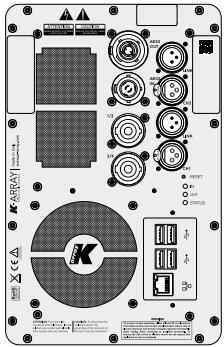
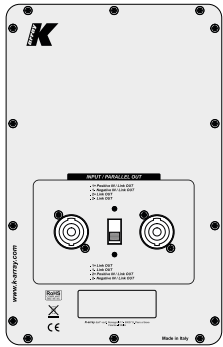
The self powered Thunder-KS4 I subwoofer with DSP is designed to be the core device in the sound reinforcement system: the dedicated K-array Connect mobile app provides a user friendly interface for the remote control, the DSP parameters and to boost the system performance.

- Channel Grouping: group controls over multiple channels;
- Input EQ: 3 bands fully parametric equalizer;
- Output EQ: 8 bands fully parametric selectable filters: Peaking, High-Shelf, Low-Shelf, High-Pass, Low-Pass, HP-Butterworth, LP-Butterworth;
- Dynamic limiters;
- Signal routing: freely assignable input-to-output signal path with level adjustment;
- Channel delay up to 230ms.
- Accessories available for suspended and fixed installations.
- Available in black, white, custom RAL color and premium finishes.



Suspended configuration with optional K-FLY3 flybar.

Thunder-KS

Technical	KS4 I	KS4P I
Type	Active subwoofer	Passive subwoofer
Transducers	2x18" neodymium magnet woofer	
Frequency Response ¹	30 Hz – 150/300 Hz (-6 dB) crossover dependant	
Crossover	DSP-controlled, Low Pass @ 150 Hz up to 300 Hz, preset dependant	
Max SPL ²	141 dB peak	
Impedance		4 Ω
Rated Power		2800 W peak
Coverage	Omni	
Connectors	Line Input: 2x XLR-F analog balanced / AES3 input Line Output: 2x XLR-M Link analog balanced / AES3 output Speaker Output: 2x SpeakON NL4 (Ch1 1+/1- // Ch2 2+/2-) Mains: powerCON TRUE1 TOP, 16 A true mains Networking and Data: 1x RJ45, 4x USB-A	Speaker input/parallel output: 2x SpeakON NL4 Input terminals selectable: IN+Link 1+/1- (parallel), Link 2+/2- Link 1+/1- , IN+Link 2+/2- (DEFAULT)
DSP	Input gain, routing matrix, delay, full parametric IIR filters (Peaking, Shelving, Hi/Lo pass, Hi/Lo Butterworth), Onboard preset, Remote monitoring	
Remote control	Wi-Fi dedicated APP K-framework3 via wired Ethernet connection	
Amplifier module	4-channel switching mode, Class D	
Output power ³	4x 2500 W @ 4 Ω	
MAINS Operating Range	100-240V AC, 50-60 Hz with PFC	
Power Consumption	600 W @ 8 Ω load, Pink noise, 1/8 rated power	
Protections	Over Temp. (Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection	
Rear Panel		

Handling & Finishes		
IP Rating	IP53	IP54
Dimensions (WxHxD)	1106 x 500 x 580 mm (43.5 x 19.7 x 22.8 in)	
Weight	60 kg (132.3 lb)	53,2 kg (117.3 lb)

¹ Extensible with dedicated preset according to the midrange crossover point.
² Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 1 m.
³ CTA-2006 (CEA-2006) Amplifier Power Standards.

Notes:
 Passive loudspeakers require dedicated presets loaded onboard K-array amplifiers.
 New materials and designs are introduced into existing products without previous notice.
 Present systems may differ in some respects from those presented in this document.

Kayman-KY102

Technical	
Type	Passive line array
Transducers	8x 4" neodymium magnet woofers
Frequency Response ¹	120 Hz – 20 kHz (-6 dB)
Max SPL ²	138 dB (peak)
Rated Power	1200 W
Coverage	V. 7° - 30° H. 90°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Impedance	8 Ω / 32 Ω selectable

Handling & Finishes	
Material	Stainless Steel
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed
IP Rating	IP64 ³
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.
³ More complete water protection with K-IP65KITA and K-IP65KITB accessories (IP65 compliant).

Accessories	
K-FLY3	Flybar for suspended installations
K-WALL2	Wall mount bracket with ball and socket joint (advanced model)
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Bundle bill of material	
Quantity	Description
4	Kayman-KY102 Stainless steel meter-long line array element with 4" drivers
1	Thunder-KS4 I Compact, multi-tasking 2x 18" self-powered subwoofer
1	Thunder-KS4P I Compact, 2x 18" passive subwoofer
2	K-FOOT3 Adapter for standing the loudspeakers on top of Thunder subwoofers
4	K-JOINT3 Joining hardware to connect Kayman loudspeakers
1	K-SPKCABLE15 4-pole speaker cable with SpeakON NL4, 15 m (49 ft)
2	K-SPKCABLE2 2-pole speaker cable with SpeakON NL4, 2 m (6.5 ft)
2	K-SPKCABLE235 4-pole joint speaker cable with SpeakON NL4, 22,5 cm (9 in)
1	Power cable with PowerCON TRUE and power plug (according to the area regulatories)

