K-ARRAY
Unique Audio Solutions

Pinnacle-KR202 II
Pinnacle-KR204 II

High-tech, lightweight
powered stereo system

Features:

- Channel Grouping: group controls over multiple channels;

- Input gain and output level adjustment;

- 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;

- Channel delay up to 230ms.

- Accessories available for suspended and fixed installations.

- Available in black, white, custom RAL color and premium finishes.

Pinnacle-KR202 II

Description

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

The **Pinnacle-KR202 II** is composed of a self powered Thunder-KS2 I subwoofer, driving both the couple of Kobra-KK102 I on its top and a separate passive column system made with Thunder-KS2P I subwoofer and two Kobra-KK102 I.

The self powered Thunder-KS2 I subwoofer with DSP is designed to be the core device of 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.
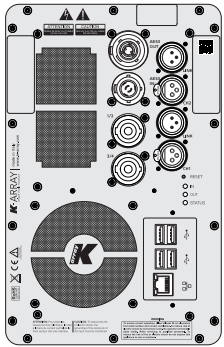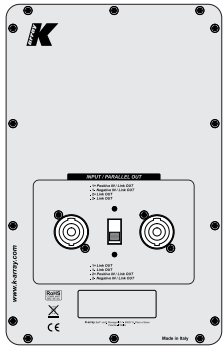
Relying on the power of the line array configuration, the **Pinnacle-KR204 II** ensures a consistent coverage with the distance in medium to large application such as theatre, auditorium, corporate events and small live events.

The Pinnacle-KR204 II combines eight Kobra-KK102 I – to be suspended with the K-FLY3 flybar – with two Thunder-KS2 I active subwoofers and two Thunder-KS2P I passive subwoofers. The system can be controlled and tuned by means of either the K-array Connect mobile app or the K-framework3 software.

Pinnacle-KR204 II

Thunder-KS

Technical	KS2 I	KS2P I
Type	Active subwoofer	Passive subwoofer
Transducers	18" neodymium magnet woofer	
Frequency Response [1]	35 Hz – 150/450 Hz (-6 dB) crossover dependant	
Crossover	DSP-controlled, Low Pass @ 150 Hz up to 450 Hz, preset dependant	
Max SPL [2]	137 dB peak	
Impedance		8 Ω
Rated Power		1400 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 1500 W @ 4 Ω	
MAINS Operating Range	100-240V AC, 50-60 Hz with PFC	
Power Consumption	600 W @ 8 Ω load, Pink noise, 1/4 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)	650 x 500 x 580 mm (25.6 x 19.7 x 22.8 in)	
Weight	37,6 kg (82.9 lb)	34 kg (75 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.

Kobra-KK102 I

Technical	
Type	Passive line array
Transducers	16x 2" neodymium magnet woofers
Frequency Response [1]	150 Hz – 18 kHz (-6 dB)
Max SPL [2]	126 dB (peak)
Rated Power	400 W
Coverage	V. 7° - 35°	H. 120°
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)	59 x 1000 x 81 mm (2.3 x 39.4 x 3.2 in)
Weight	4.8 kg (10.6 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-KKPOLE	Fake Kobra 100cm pole support
K-WALL2	Wall mount bracket with ball and socket joint (advanced model)

KR202 Quantity	KR204 Quantity	Bill of materials Description
4	8	Kobra-KK102 I Stainless steel meter-long line array element with 2" drivers
1	2	Thunder-KS2 I Lightweight, multi-tasking 18" self-powered subwoofer
1	2	Thunder-KS2P I Lightweight, 18" passive subwoofer
2	4	K-FOOT3 Adapter for standing the loudpeakers on top of Thunder subwoofers
4	8	K-JOINT3 Joining hardware to connect Kobra loudspeakers
–	2	K-FLY3 Flybar for suspended installations
1	2	K-SPKCABLE15 4-pole speaker cable with SpeakON NL4, 15 m (49 ft)
2	2	K-SPKCABLE2 2-pole speaker cable with SpeakON NL4, 2 m (6.5 ft)
2	6	K-SPKCABLE235 4-pole joint speaker cable with SpeakON NL4, 22,5 cm (9 in)
1	2	Power cable with PowerCON TRUE and power plug (according to the area regulatories)