



Description

The K-array Firenze-KS7 is a powerful self-powered subwoofer best suited for high-power extended bass response applications in arenas, theaters, stadiums, concert halls, houses of worship and outdoor events.

The 2 x 21" loudspeakers feature neodymium magnets with 6" voice coils driven by powerful Class D amplifiers. The large ports are designed to be fully symmetrical to the speakers, which means the back loading on the drivers is consistent and even with no port air turbulence. The triangle port construction also provides excellent structural integrity and strength, effectively eliminating any box resonance.

The rear panel provides balanced analog and digital AES3 inputs and Ethernet connectivity for complete remote control over the fully-featured integrated DSP.

With the Firenze-KS7, gradient/cardioid configurations and end-fire arrangements are made easy with up to 2 seconds of input delay and frequency shaping. Thanks to the input equalizer with three layers of 32 filters each (PEQ, Raised Cosine, Shelving), the Firenze-KS7 is an all-encompassing subwoofer matching any system configuration, capable of being employed as a single point source or in an arch array subwoofer system.

All Firenze-KS7 components are designed by the K-array R&D department and custom-made under the K-array quality control system to ensure that the Firenze-KS7 meets the standards of the Firenze Series loudspeakers.

Colors	Premium Finishes	Features	Frequent Applications	
Black 	-	Onboard DSP	Concerts & Live Events	Theaters & Auditoriums
		Remote setup and monitoring	Large Congregations	Event Productions
		Wide range of configuration possibilities	Stadiums & Sport Venues	Nightclubs & Lounges

Accessories					
K-POLE1	K-WHEEL	K-WHEELB	K-COVERS5		

Technical Specifications

General	
Type	Subwoofer
Frequency Response	25 Hz – 120 Hz (-10 dB) ¹
Power Handling	7000 W
Sensitivity	99.5 dB (1 W / 1 m) ²
Maximum SPL	138 dB (cont.) – 141 dB (peak) ³
Crossover	Internal DSP presets (120 Hz maximum)
Coverage	Omni

Internal Processing	
Input Sample Rate & Resolution	Up to 96 kHz @ 24 bit with internal SRC and jitter correction
Built-in DSP	Delay up to 2 s Level and temperature remote monitoring

Internal Amplifier Module	
Type	2-ch. switch mode, Class D
Peak Output Power	2 x 3500 W @ 2 Ω 1% THD+N
Operating Range	100-240V AC, 50-60 Hz with PFC
Power Consumption	600 W @ 4 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
Mains Connector	powerCON True with link inlet

Controls & Connectivity	
Controls	Remote control with dedicated PC software via ethernet connection
Connectivity	Analog: 1x XLR (bal) input signal 1x XLR (bal) signal through Digital: 1x XLR AES3 2x Ethercon for remote control

Handling	
Dimensions (WxHxD) & Weight	1170 x 590 x 850 mm – 45.74 x 23.22 x 33.46 in 104.4 kg (230.16 lbs)
IP rating	20 (53 IP with K-AMPCOVER accessory)

Notes for data:

1. With dedicated presets.
2. Measured at 4 m then scaled to 1 m.
3. Measured with musical signal with crest factor 4.

New materials and designs are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalog.

