

K12A

Active Full-Range Coaxial Speaker



- Active 2-way Loudspeaker
- Ultra-compact Coaxial Design
- 12" LF Speaker and 1.4" HF Compression Driver
- Networkable DSP with Control Software
- Extended Low Frequency Response

OVERVIEW

Emerging from the R&D Department and following an extensive engineering work, NEXT-proaudio's new single point source line – KUBIX - is intended to provide high performance and fidelity as well as a coverage consistency to the venues.

Designed to be included within fixed installations this single point source series were released to create an uniform wave front without hot spots combining high fidelity, transparency, highly accurate and neutral sounding with a compact format to deliver the best sound to every members of the audience.

The family currently consists on 6 models of two-way coaxial loudspeakers: K5 (5", extended LF, passive), K5+ (5", High sensitivity, passive), K8 (8", passive) K8A (8", active 2-way with DSP), K12 (12", passive) and K12A (12", active 2-way with DSP).

The coaxial full-range models are complemented by high-performance subwoofers: K10s (10", passive), K10sA (10", active with DSP), K12s (12", passive) and K12sA (12", active with DSP). Both models are capable to power external passive "Satellites" such as K5, K8 and K12 as well as other units from the NEXT-proaudio range.

With KUBIX is possible to cover practically all install applications including nightclubs, bars, restaurants, convention centres, hotels, museums and houses of worship.

These versatile speakers work equally well as monitor, on a tripod stand or wall/ceiling/corner-mounted using the available range of mounting accessories.

The active enclosures are powered by integrated, lightweight Class-D audio amplifiers, specially engineered to provide high impact, balanced, rich and transparent

sound at any volume. The integrated networkable DSP provides extended flexibility allowing the user to adjust several important audio processing parameters, input EQ, Input Level, Satellite Level, Input Delay, Satellite Delay, HP/LP filters and Bass Enhancer. A total of 8 selectable PRESET memories are available, 6 already loaded with factory PRESETS and 2 for user personal adjustments.

The KUBIX Series can be supplied in black or white colour as standard as well as in any RAL colour to special order.

TECHNICAL SPECIFICATIONS

Technical Data	
Speaker Type:	Active Coaxial Reflex Speaker
Acoustical Data	
Frequency Response (-6dB):	53Hz - 18.000Hz
Low Frequency Extension (-10dB):	44Hz
Calculated Max. SPL (Cont/Peak):	124dB/127dB (Full-Space)
Coverage Angle -6dB (HxV):	80° Conical
Drivers	
Low Frequency:	1x 12" (300mm)/3" (76mm) VC, B&C Custom Speaker
High Frequency:	1x 1.4" (36mm) exit/3" (75mm) VC, B&C Custom Compression Driver
Electrical Data	
Connectors:	Signal: 2 x XLR; Power: 2 x PowerCON
Amplifier Module	
Amplifier Technology:	2 Channel Switched Mode Class D with DSP
Section Power (RMS/Program/Peak) LF:	400W/540W/1080W
Section Power (RMS/Program/Peak) HF:	100W/135W/270W
Controller:	PC Controlled Networkable DSP 24bit/48kHz
System Presets:	6 Factory and 2 User, Selectable via Software or Rear Panel Switch
PC Control:	Via RS485 and Suplied Software "SOUNDWARE"
DSP Adjustable Parameters:	6 PEQ, Delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute
AC Operating Voltage:	90V - 245VAC
Nominal Power Consumption:	550W
Enclosure	
Dimensions (WxHxD):	448 x 354 x 361 mm
Net Weight:	17.2 kg