KRK VXT6 - Design Features

ABS (Acrylonitrile Butadiene Styrene) Foam Enclosure
High density / low resonance material giving improved structural integrity and rigidity resulting in an extended low-end response. Allows the internal design to have complex shapes and non-parallel walls, increasing rigidity and reducing internal nodes. ABS also has extremely high impact resistance and excellent damping characteristics which reduces cabinet resonance.

Front Firing Radiused / Non-parallel Ports
Facilitates the smooth passage of air molecules which reduces port turbulence at high signal pressure levels. Front firing to avoid wall / corner coupling.

Radiused Enclosure Edges
Eliminating diffraction and phase distortion results in improved imaging characteristics as well as a wider sweet spot at the monitoring position.

Silk Domed Tweeter
The domed tweeter is comprised of true silk for fast transient response. Silk construction reduces ear fatigue and the tweeter waveguide geometry ensures HF directivity.

Woven Kevlar Cone
The inter-molecular hydrogen bonds of Kevlar give the cone high tensile strength for it's light weight. Kevlar also maintains its strength and resilience over a wide temperature range. The lightweight and resilient properties of Kevlar reduces distortion and delivers extended low-end performance as compared to cones made from paper or polypropylene.

Proprietary Woofer Design
The aluminum pole and vented formers remove heat and reduce the effects of power compression ensuring audio performance is consistent and does not deteriorate over time.

HF and LF Controls
Adjustment of the LF response is provided to allow compensation for room response and desktop positioning. Adjustment of the HF is provided to compensate for room acoustics or to reduce ear fatigue when listening for extended durations.

Multiple Protection Circuitry
Thermal, over voltage and over-current circuitry is employed in the design. There is also a switchable limiter which will protect the unit from transients in the signal path.

Ground Lift
Allowing the disconnection of the ground terminal to help resolve issues such as hum and buzz caused by ground loops in poorly configured power systems.

APPLICATIONS

- Nearfield Monitoring
- TV & Broadcast
- Home- & Project-Studios
- Control Rooms
- Multimedia Playback
- Game Developers
- Surround Environments
- Editing Facilities

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VXT SERIES-PROFESSIONAL ACTIVE STUDIO MONITORS

VXT 6

VXT 6 SPECIFICATIONS

Configuration	2-Way Bass Reflex

Drivers

Woofer	6" Woven Kevlar, Ferrite
Tweeter	1" Silk Dome, Ferrite

Controls

System Level Adjust	-30dB to +6dB
Ground Lift	Lift(On)/Ground(Off)
Clip Indicator	On/Off/Limit
Auto Mute	On/Off
HF Adjust	+1dB/Flat/-1dB
LF Adjust	Whole Space (-3dB/52Hz) Half Space (-3dB/60Hz) Quarter Space (-3dB/75Hz)

Frequency Response

Lower Cut-Off Frequency @ -6dB	50Hz
Upper Cut-Off Frequency @ -6dB	32kHz
Lower Cut-Off Frequency @ -3dB	60Hz
Upper Cut-Off Frequency @ -3dB	24kHz
Pair Tolerance @ 100Hz-10kHz	1.03dB

Distortion and Max SPL

Max. Level 3% THD (100-10kHz)	102.6 dB
Max SPL 10% THD (50-100Hz)	100.3 dB
Max SPL Music / Program	108 dB
Max SPL Peak	111 dB

Directivity (1k-10k)

Horizontal Directivity -6dB	131°
Horizontal Deviation	20°
Vertical Directivity -6dB	106°
Horizontal Deviation	32°

Inputs

Balanced Line Input, Analog	XLR-1/4"TRS Combo
Unblanced Line Input, Analog	XLR-1/4"TRS Combo
Input Impedance	10 kOhm balanced

Amplifier

Low Frequency Amp Power	30 Watts
High Frequency Amp Power	60 Watts

Power

Standby Autopower	135mA On / 60mA Off
Maximum Power consumption	230W
Mains Input Voltage	100V / 110V / 220V / 230 V
Main Input Frequenc	50Hz/60Hz AC

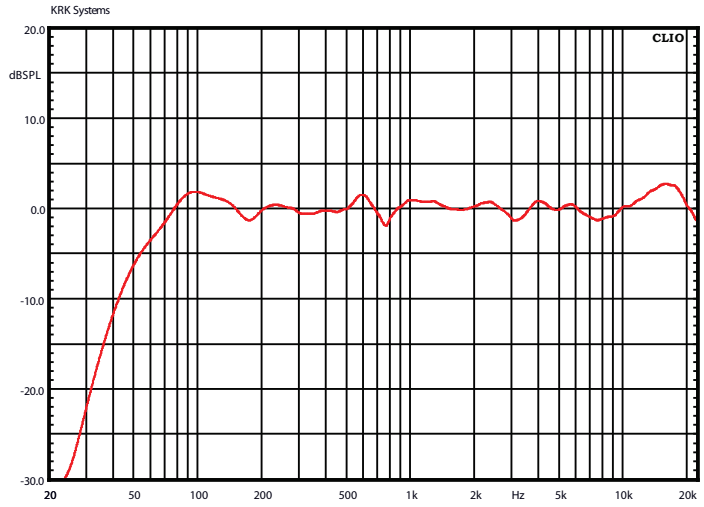
Fuses

@ 100V 50Hz AC	3.15A
@ 110-120V 50/60Hz AC	3.15A
@ 220-240 50/60Hz AC	1.6A 50/60Hz

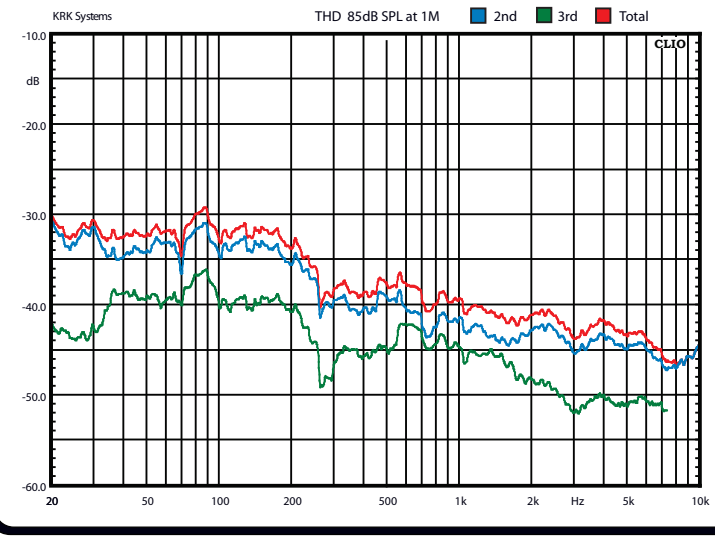
Physical Attributes

Weight	12.25kg / 25.6lbs
Dimensions (H x W x D)	368mm x 263mm x 246mm 14 1/2" x 10 1/3" x 9 5/8"

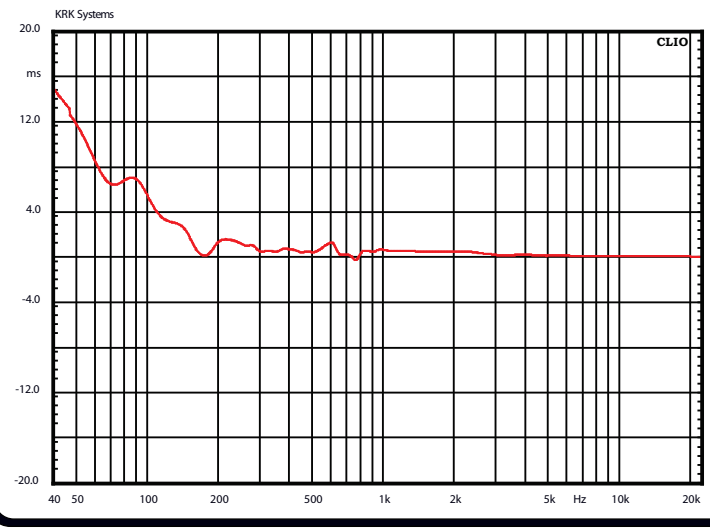
FREQUENCY RESPONSE



DISTORTION



GROUP DELAY



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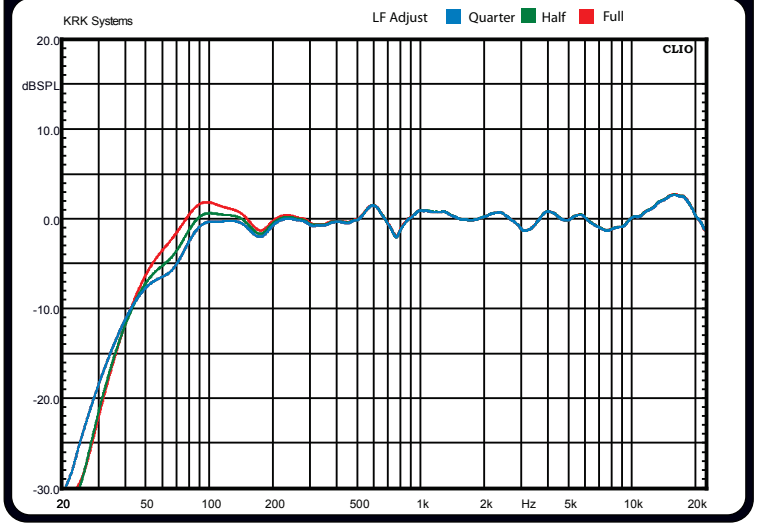
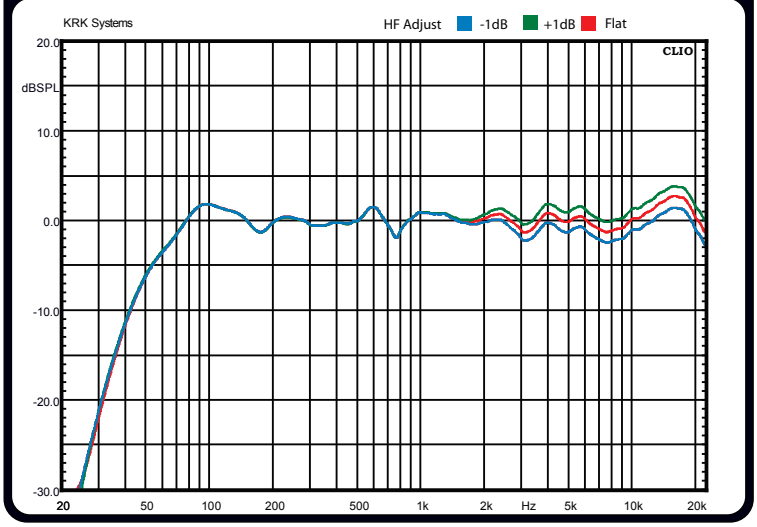
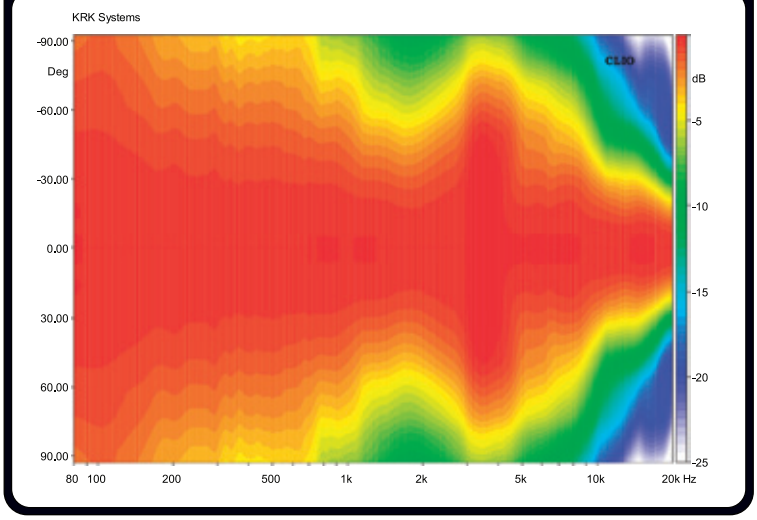
LOW FREQUENCY ADJUSTMENTS



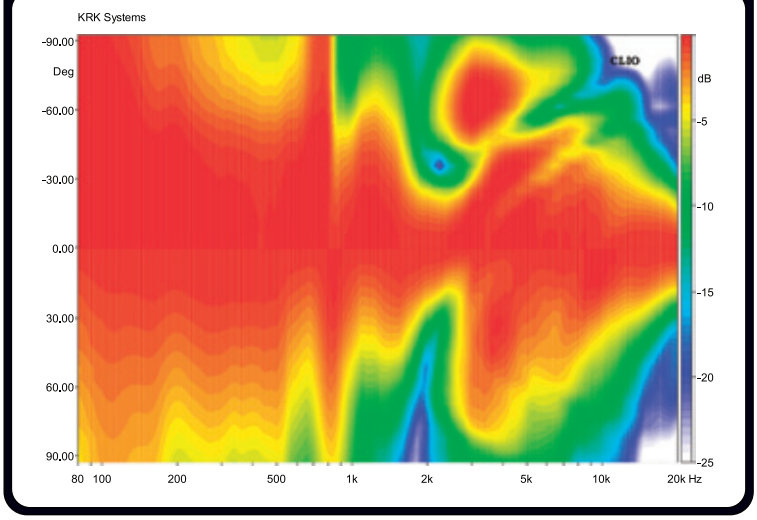
HIGH FREQUENCY ADJUSTMENTS



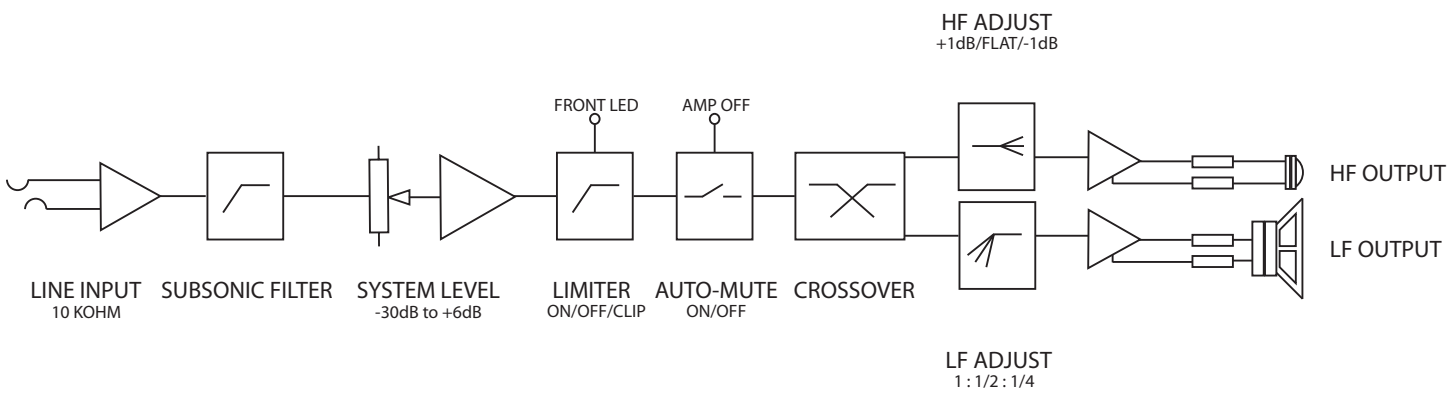
HORIZONTAL DIRECTIVITY



VERTICAL DIRECTIVITY



SYSTEM BLOCK DIAGRAM



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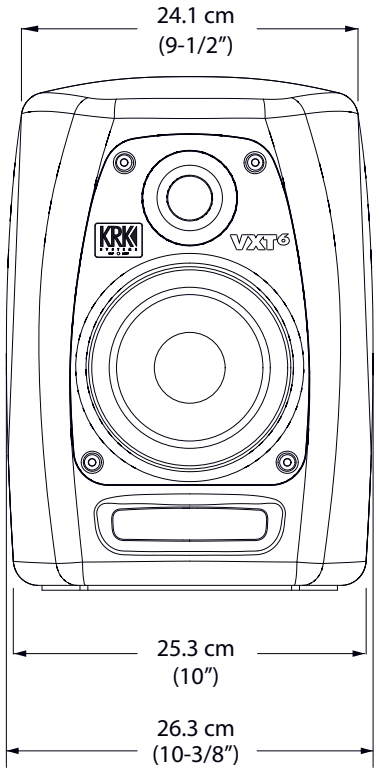
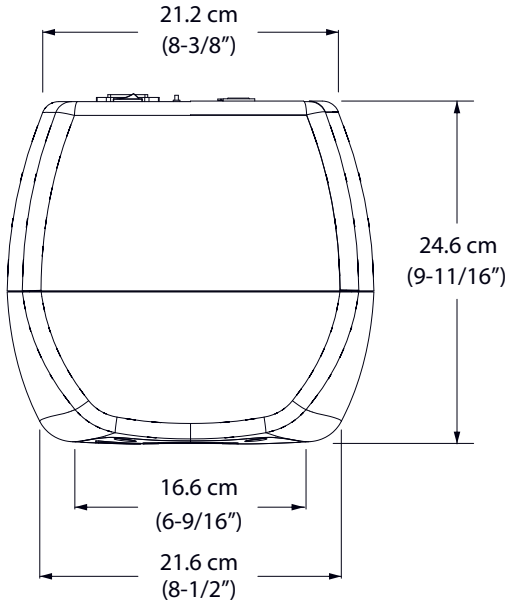
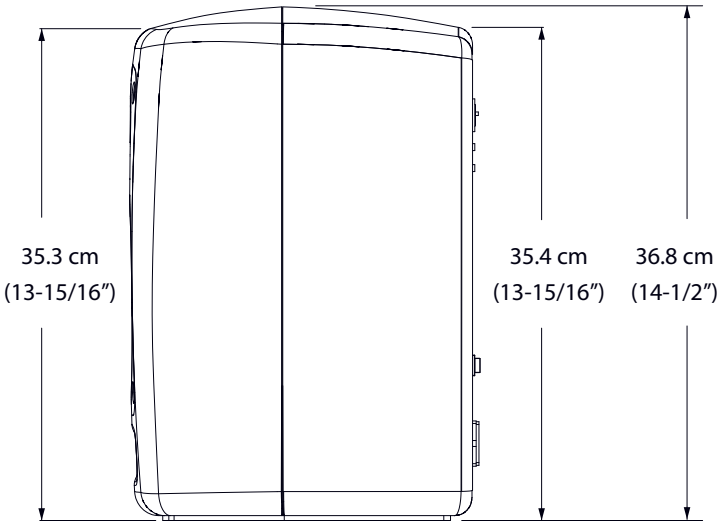
FRONT VIEW



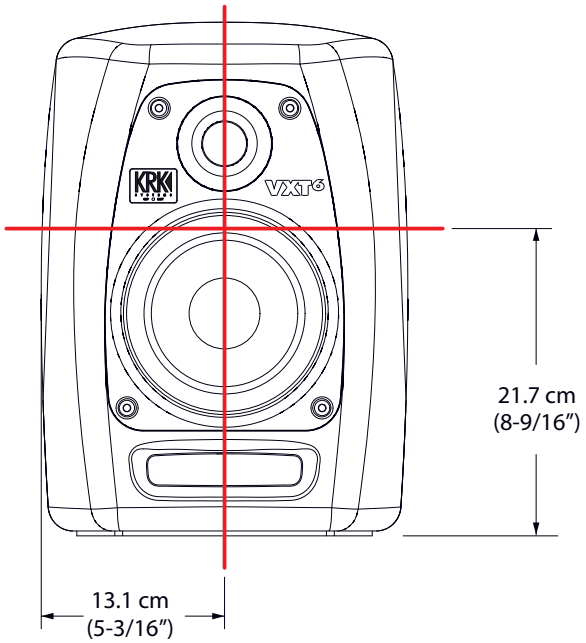
TOP VIEW



SIDE VIEW



ACOUSTIC AXIS



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VXT6 SHOWN WITH AVAILABLE GRILL

VXT6GRL
8-16654-00134-4

Grill sold separately

VXT6 BACK PANEL

MOUNTING OPTIONS

VXT 35mm Pole Adapter

KRKSTDX4A1
8-16654-00201-3

VXT 6/8 Wall Adapter

KRKSTDX68A1
8-16654-00205-1

Each sold separately

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