

SPEK<TRIX

- FULL RANGE 3-WAY CABINET
- TRUE LINE SOURCE ARRAY
- ADAMSON WAVE SHAPING SOUND CHAMBER
- AIR™ SYSTEM REVOLVING DISK RIGGING
- COMPACT & LIGHTWEIGHT



The compact SpekTrix offers all the benefits of a True line Source via patented wave shaping sound chamber technology (US Patent # 6,581,719). The SpekTrix wave shaping sound chamber produces a slightly curved wave front in the HF that is comparable to the wavefront found in the Y-Axis. The 5 degree Vertical coverage, 3 Way SpekTrix Enclosure exhibits extremely high output for its compact size.

Designed for optimal ease-of-use, smaller sound companies will also appreciate the cabinet's affordability, light weight and compact size. The AIR™ (Adamson Integrated Rigging) system revolving disk flying hardware makes setting up an entire array so easy, it can be accomplished by one person. There's no extra rigging hardware to misplace - everything is attached and recessed inside the enclosure.

When arrayed, AIR™ flying hardware is concealed, giving the system a modest, sleek look that makes it well suited for installation in small to medium-sized venues, theaters and houses of worship.

technical specifications



SPEKTRIX

FEATURES

The Adamson SpekTrix is a three-way cabinet that exhibits extremely high output for a compact box. The enclosure incorporates two unique Adamson 8.5" Kevlar, neodymium drivers - one ND8-L mid-bass driver and one ND8-M mid-range driver, and one B&C DE 900 compression driver mounted on a patented Adamson wave shaping sound chamber.

The sound chamber has a defined coverage pattern of 5-degrees V by 120-degrees H, and is similar to the inner body of a Y-Axis drive module, giving the SpekTrix a slightly curved, iso-phase wave front comparable to that of the Y-Axis system.

The SpekTrix features AIR™ system revolving disk flying hardware that is recessed, attached and hidden inside the box when arrayed, making the cabinets perfect for industrial applications where you want a system to look discreet. A single person can easily set up an entire array.

The SpekTrix rigging frame is equipped with a single threaded moving pick point, so the center of balance and tilt angle can be precisely adjusted with little effort.

The sleek, trapezoidal SpekTrix cabinet weighs only 62 lbs, and is constructed from rugged 5/8" Baltic birch with a dual component black speckle coat finish. All SpekTrix cabinets are supplied with lightweight, rugged aluminum dolly boards (four cabinets per dolly), with flight cases available upon request.



PHYSICAL DATA

Dimensions & Weight

Height (cm)	8.6" (22cm)
Width (cm)	27.9" (71cm)
Depth (cm)	18.91" (48cm)
Weight (Kg)	62lb (29.03kg)

Shape	5 degree trapezoid
Box Finish	Textured Water Borne Acrylic
Hardware Finish	Polyester Sandtex™ Powder
Optional Accessories	Aluminum Rigging Frame
Rigging	AIR™ Revolving Disk Rigging with 6 precise rigging angles on a logarithmic scale
Protective grille	16 Gauge cold steel
Cabinet Construction	Rugged 11 ply Baltic Birch

TECHNICAL DATA

Frequency Response (+/-3dB)

Full Range Preset	80 Hz to 18 kHz
With Sub	35 Hz To 18 kHz

Frequency Range

with Xover Preset	110 Hz – 18 kHz
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Maximum SPL (Continuous / Peak)

with Xover Preset	130.1dB / 136.1dB
with Full Range Preset	129.8dB / 135.8dB

Directivity

Horizontal	120 degrees
Vertical (per element)	5 degrees

Sensitivity (2.83V @ 1m)

LF	94.5dB / 80 Hz – 250 Hz
MF	99dB / 250 Hz – 900 Hz
HF	112dB / 900 Hz – 18 kHz

LF Section (Impedance ohms)	ND8-L 8.5" Kevlar neodymium Mid-Bass driver (8ohms)
MF Section (Impedance ohms)	ND8-M 8.5" Kevlar neodymium Mid-Range driver (8ohms)
HF Section (Impedance ohms)	B&C DE 900 1.5" compression driver (8 ohms)

Power Handling (AES Program / Peak)	LF	250 / 500 / 1000
	MF	250 / 500 / 1000
	HF	110 / 220 / 440

Connection	Neutrik Speakon™ NL8
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Adamson Systems Engineering
1401 Scugog Line 6, Port Perry, ON L9L 1B2
T: [905] 982 0520 F: [905] 982 0609
www.adamsonproaudio.com
sales@adamsonproaudio.com

Specifications are subject to change without notice.

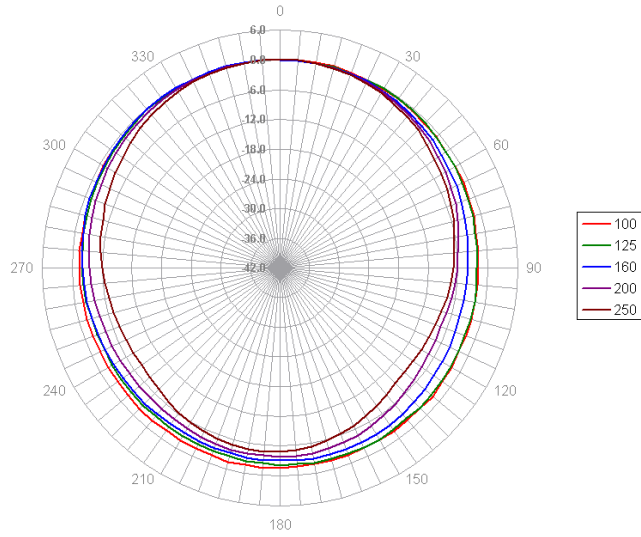
SPEKTRIX
SERIES

directivity diagrams

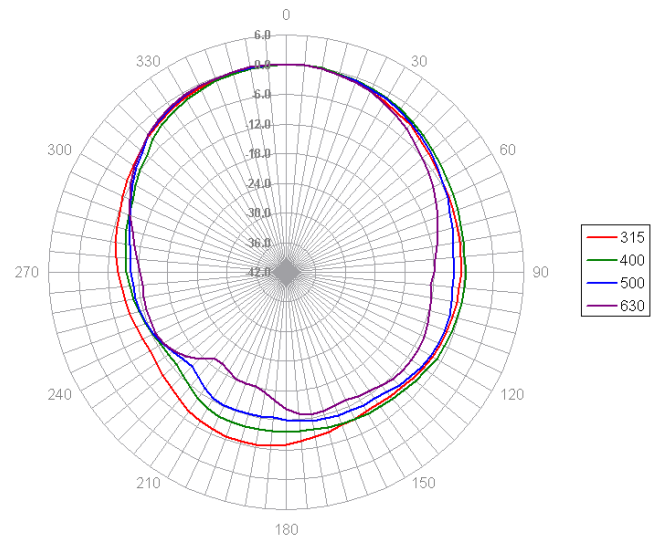
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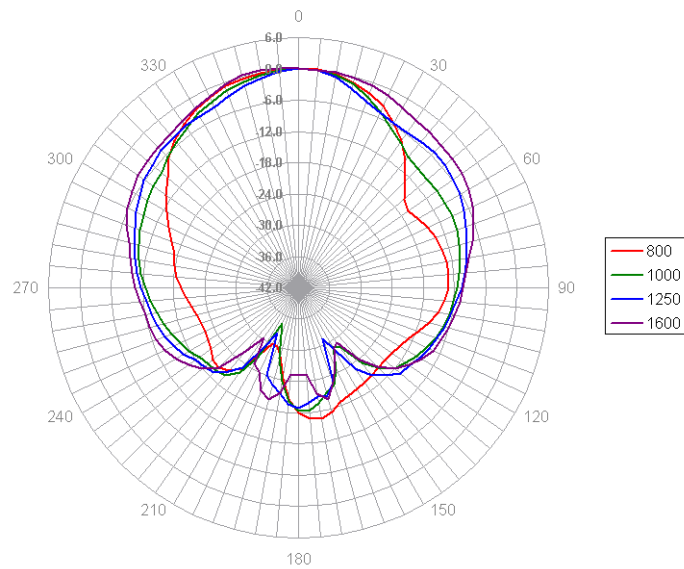
Polar plots 100 - 250 Hz ; 6 dB/div



Polar plots 315 - 630 Hz ; 6 dB/div



Polar plots 800 Hz - 1K6 ; 6 dB/div

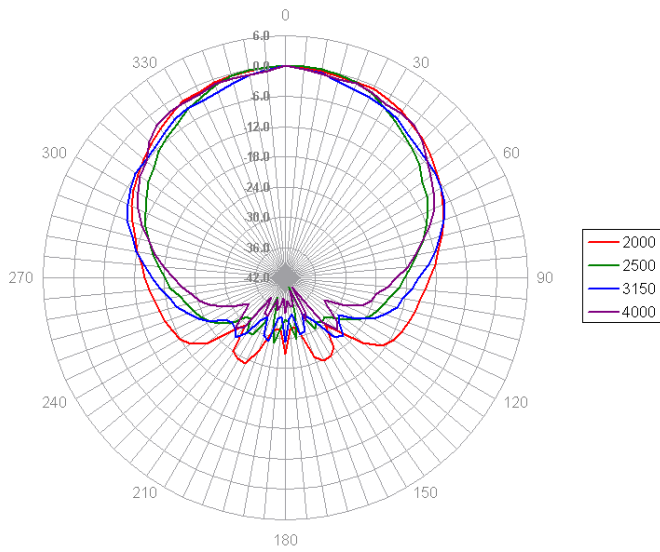


directivity diagrams

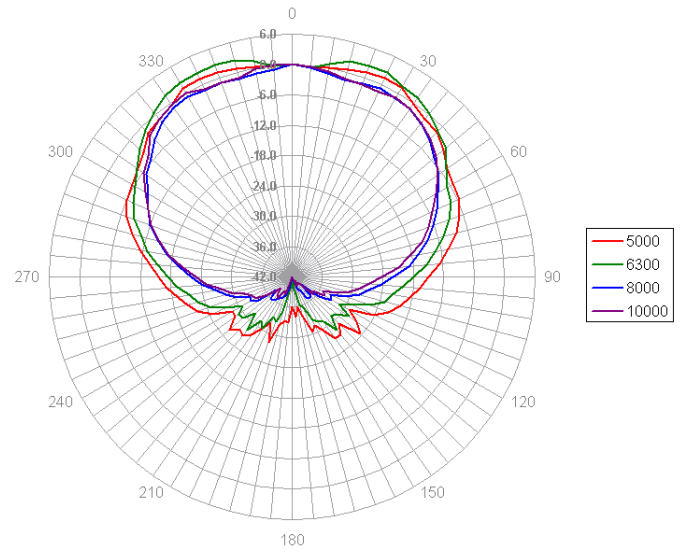
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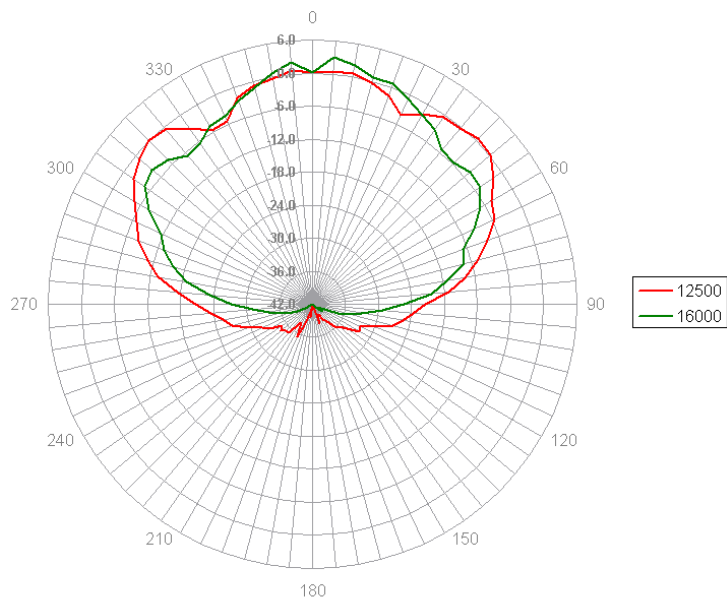
Polar plots 2K - 4K ; 6 dB/div



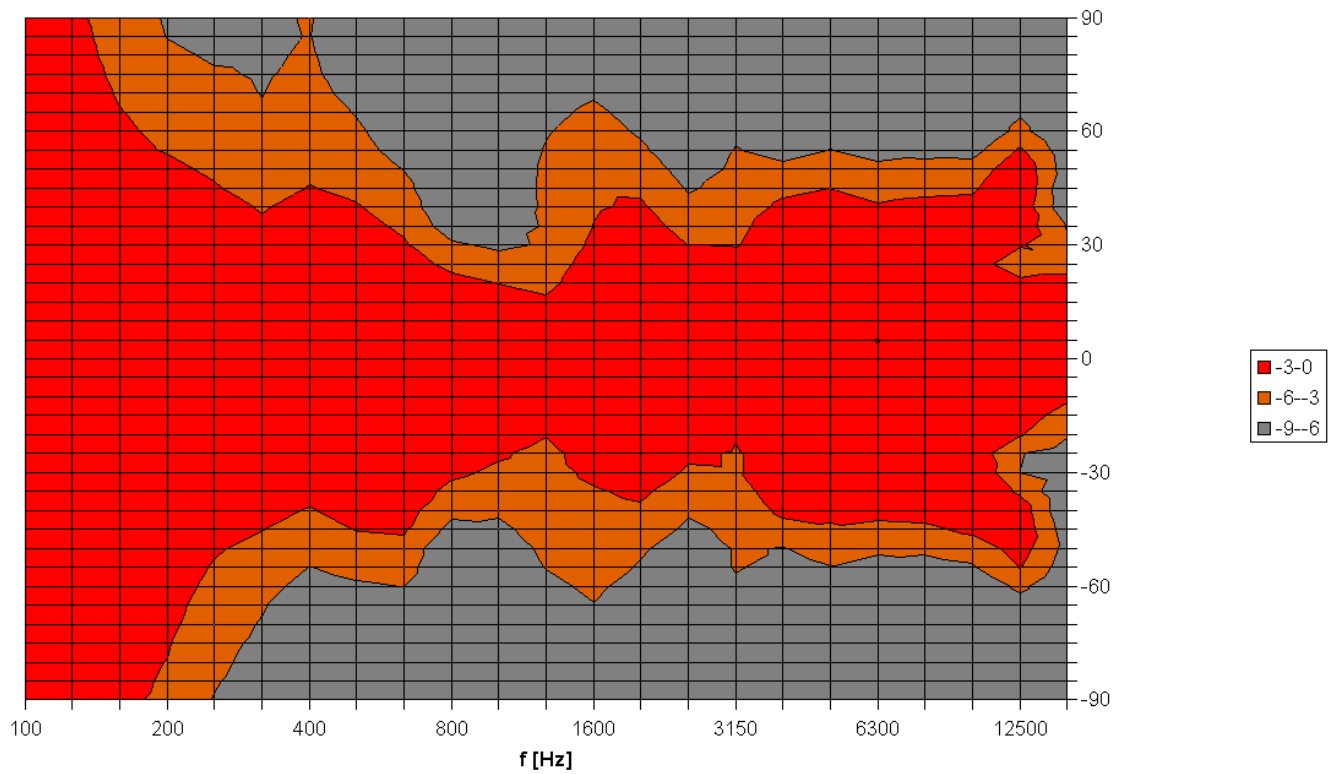
Polar plots 5K - 10K ; 6 dB/div



Polar plots 12K5 - 20K ; 6 dB/div



-3dB & -6dB Isobar



Low frequency directivity increases as more enclosures are added (as the length of the array increases).