

product specifications



SPEK<TRIX

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

Designed for optimal ease-of-use, the ultra-compact Adamson SpekTrix is a 3-way line array system offering all the benefits of line-source technology via its patented Adamson wave shaping sound chamber.

Smaller sound companies will appreciate the cabinet's affordability, light weight and compact size. The new 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

DESCRIPTION

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.

FEATURES

- Patented Adamson wave shaping sound chamber
- Adamson ND8-L 8.5" Kevlar neodymium LF driver
- Adamson ND8-M 8.5" Kevlar neodymium MF driver
- 1.5" neodymium compression driver
- AIR™ System revolving disk rigging
- Aluminum rigging frame

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
Finish	Black Water Based Bake Enamel
Optional Accessories	Aluminum Rigging Frame
Rigging	AIR™ Revolving Disk Rigging with 6 precise rigging angles on Logarithmic scale
Protective grille	16 Gauge cold steel
Cabinet Construction	Rugged 11 ply Baltic Birch

TECHNICAL DATA

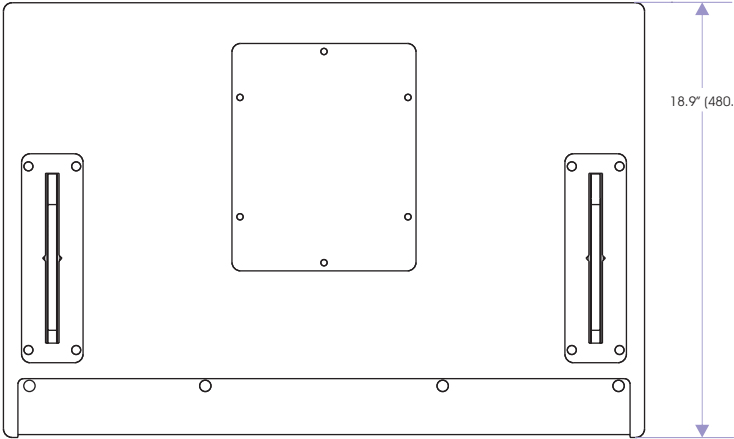
Frequency Response (+/-3dB)	
Full Range Preset	80 Hz to 18 KHz
With Sub	35 Hz To 18 kHz
Frequency Range	
with Xover Preset	110 Hz – 18 kHz
Maximum SPL (Continuous)	
with Preset Xover mode	130.1dB
with Preset Full Range	129.8dB
Maximum SPL (Peak)	
Xover Preset	130.1dB / 136.1dB
Full Range Preset	129.8dB / 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	80 / 160 / 320
Connection	Neutrik Speakon™ NL8



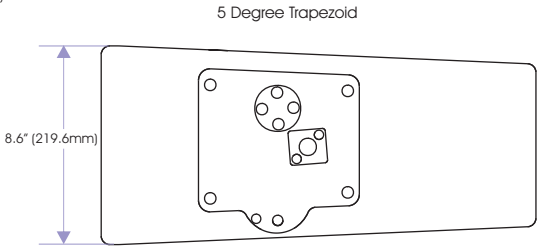
Adamson Systems Engineering Inc.
1401 Scugog Line 6, Port Perry, ON L9L 1B2
T: [905] 982 0520 F: [905] 982 0609
www.adamsonproaudio.com
sales@adamsonproaudio.com

SPEKTRIX

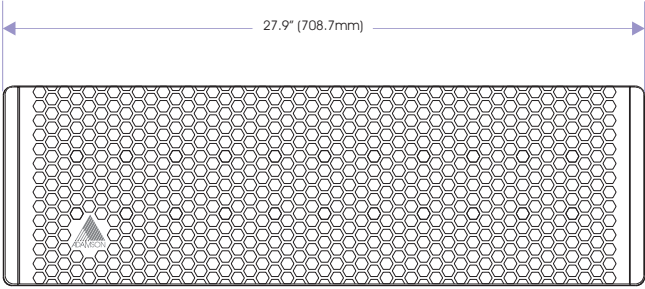
SPEKTRIX



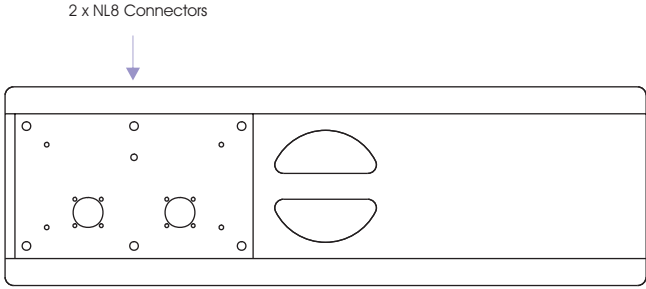
Top and bottom



Side View



Front View



Back View

rigging system



SPEKTRIX

DESCRIPTION

The new AIR™ System revolving disk flying hardware is captured within the SpekTrix cabinet and offers six precise rigging angles on a logarithmic scale (refer to the Adamson SHOOTER™ Software).

The rigging system consists of a rotating wheel, with no extra accessories needed. Everything is embedded in the cabinet and set up requires only one person.

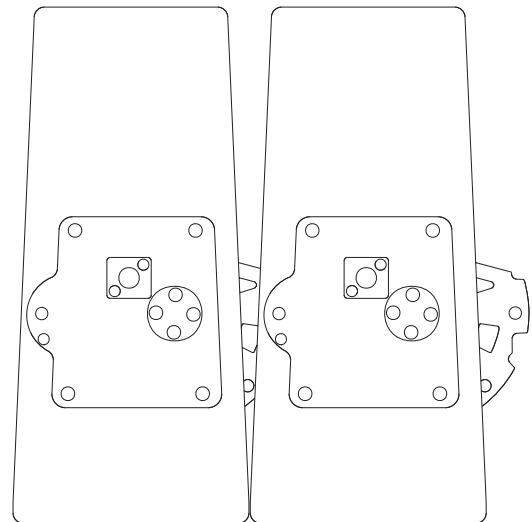
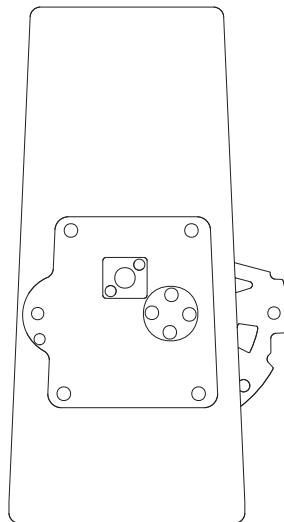
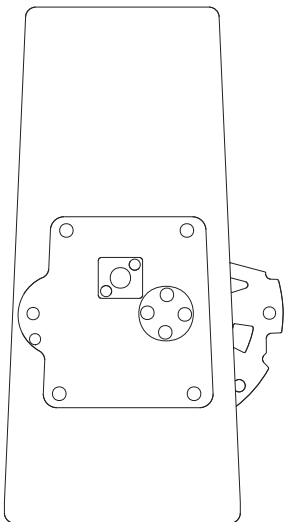
RIGGING STEPS

Step 1:

Set the angle on the box by rotating the revolving disk with the handle. Both the wheel and the handle provide indications on the actual set up angle.

Step 2:

Slide the disk in the slot of the next box and pin it using the integrated locking pin system.

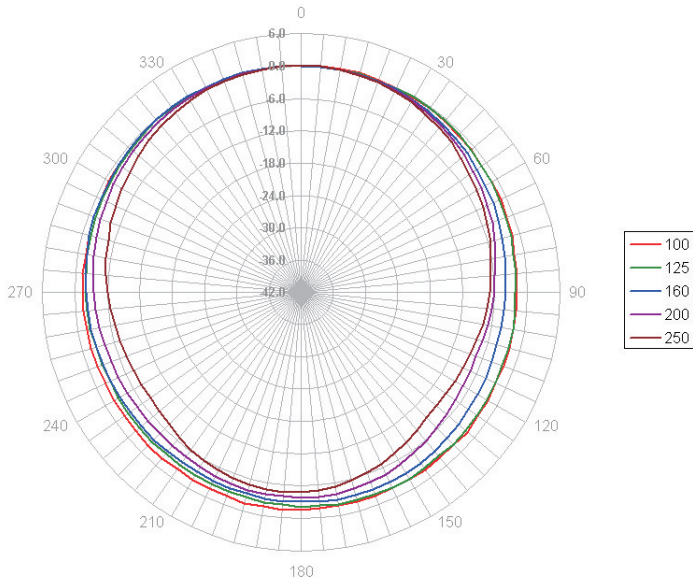


directivity diagrams

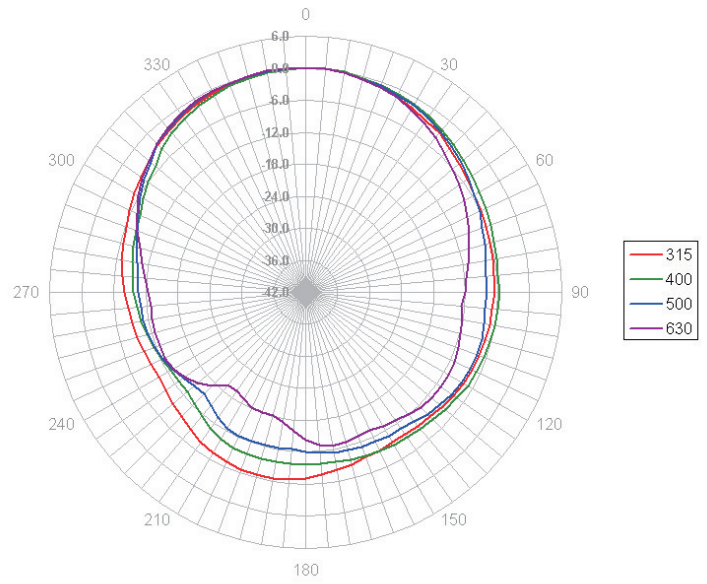


SPEKTRIX

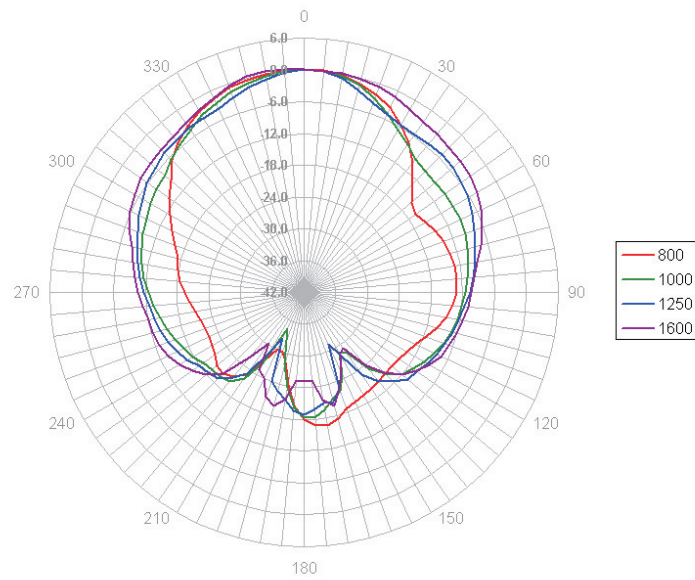
Polar plots 100 - 250 Hz ; 6 dB/div



Polar plots 315 - 630 Hz ; 6 dB/div



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

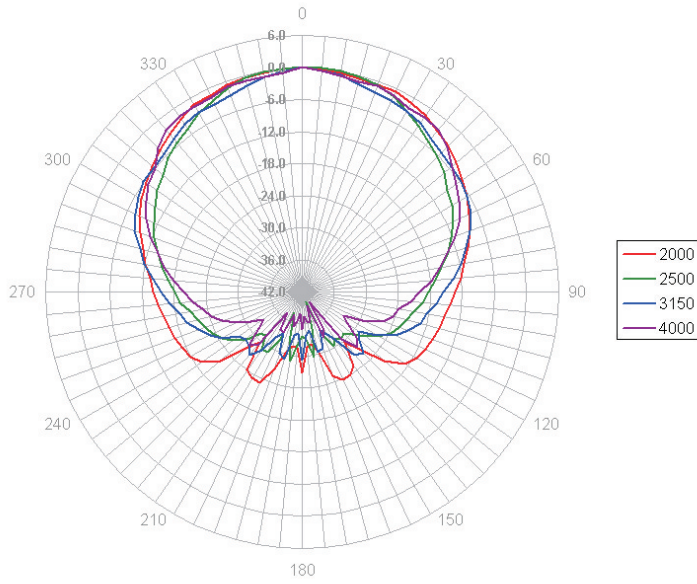


directivity diagrams

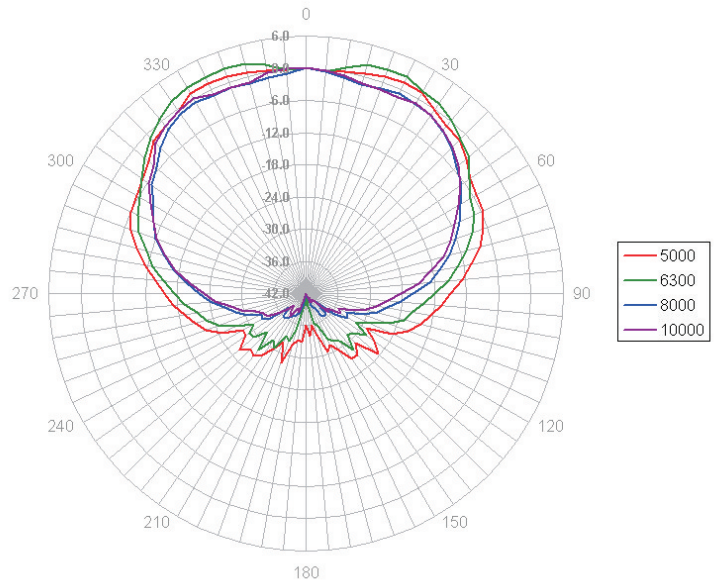


SPEKTRIX

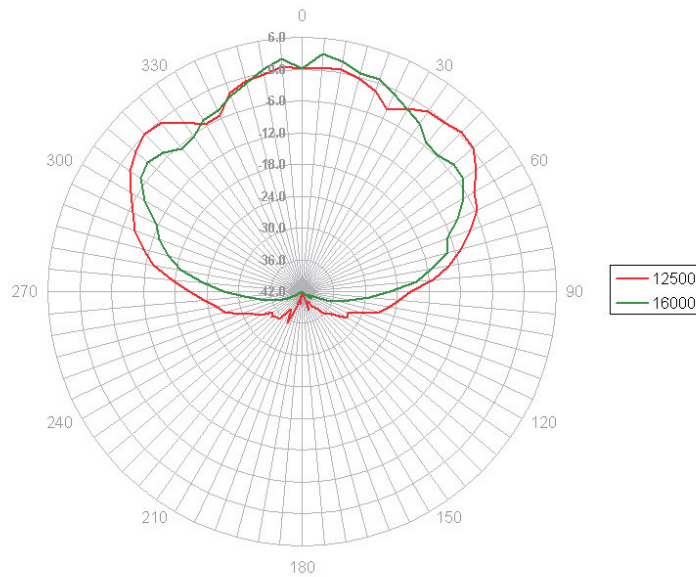
Polar plots 2K - 4K ; 6 dB/div



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



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

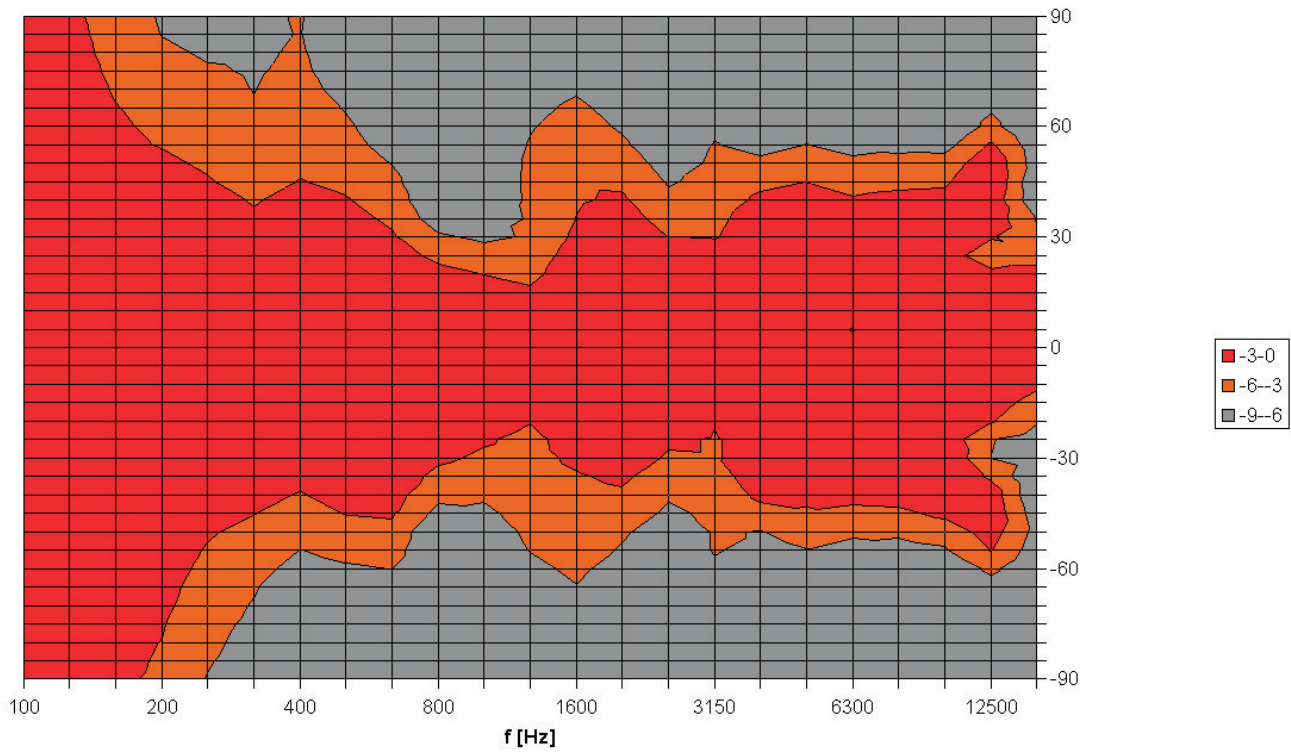


directivity diagrams



SPEKTRIX

-3dB & -6dB Isobar



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