PSA1

Yorkville PARALINE Series

Compact Expandable Active Vertical Array Loudspeaker System

Yorkville Sound's Paraline Series active full range loudspeaker system delivers the clarity and precision of a complex line array system in a compact, user friendly format. Innovative cabinet design uses Yorkville Sound's proven Paraline high frequency lens technology pioneered in our flagship VTC Elevation Series line array cabinets.

Two BMS 1.75-inch compression drivers mounted to the patented Paraline lens delivers a focused 15-degree vertical dispersion and wide 110 degree horizontal coverage. Four high quality 18 Sound 6-inch woofers provide a tight and ultra responsive low frequency program.

Rugged injection molded ABS cabinet and Neodymium magnet woofers minimize overall cabinet weight making a full system transport and set-up can easily be handled with a single operator. Designed to deliver maximum performance with minimum complication, the PSA1's integrated power amplifiers and internal DSP mean no external processing is required. Direct connect to mixer source and set system levels, and the system is ready for the show.

Ideal for mobile PA applications in venues where access to complex trussing or roof hangs isn't practical, the Yorkville PSA1 cabinet mounts quickly and securely on a typical speaker stand. Innovative dual position stand mount offers two potential cabinet angles for expanded setup options. Up to two PSA1 cabinets can be stacked safely and securely on a single traditional stand.

Highly efficient amplifier design means each PSA1 draws less than 3 amps in typical operation meaning up to four cabinets can operate safely on a standard 15 amp service. This allows efficient set up using AC loop thru connections on the PSA1 while avoiding nuisance tripping of mains breakers. This also minimizes the need for multiple extension cables or access to multiple house circuits often needed for an active PA setup.

FEATURES:

- Ultra High Performance Compact Active PA System
- Uses Patented Paraline Horn Lens Technology
  (from Yorkville Sound's Flagship VTC Elevation Series Vertical Array Touring Systems)
- High quality Speaker Components
  (including 18 Sound 6-inch Woofers and BMS Compression Drivers)
- Focused 15° Vertical Dispersion for Minimum Interference Between Arrayed Cabinets
- Wide 110° Horizontal Dispersion Pattern
- Manufactured Using Light-weight/Strong ABS Cabinet Material
- Stacks using Standard Speaker Stand on Integrated Dual Angle Stand Mount Adaptor *(Maximum Two Cabinets per stand)*
- Installation Hardware Available
- Up to Four PSA1 Cabinets Can Be Easily Powered on one 15 Amp Circuit
- Made in Canada







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Specifications:

Type:	Active Full Range Cabinet
Power:	700 Watts (Program Power) / 1200 Watts (Peak)
Driver Configuration:	4 x 6-Inch Woofers / 2 x 1-inch Paraline Lens
Frequency Response:	75 – 20,000Hz (+/- 3db):
Max SPL:	125dB (Continuous) / 128dB (Peak)
Crossover Frequency:	1.2kHz
HF Driver(s):	2 x 1-inch exit Compression Drivers w/ 1.5-inch Voice Coil
HF Dispersion:	110 °H x 15°V
HF Power Amplifier:	75 Watts (Program Power) / 200 Watts (Peak)
HF Protection:	Peak and Average Limiting
HF Amplifier Type:	2-Tier Class-H
LF Driver(s):	4 x 6-inch Neodymium Woofers w/ 1.75-inch Voice Coil
LF Power Amplifier:	625 Watts (Program) / 1000 Watts (Peak)
LF Protection:	Excursion, RMS
LF Amplifier Type:	Class-D
Cooling Scheme:	Convection
Power Cable:	Removable Locking IEC Input and Loop Thru Output
Power Switch:	Yes
Power Consumption (typ/max):	135 VA / 225 VA
Input:	1 x Combi-jack XLR / 1/4-inch Jack
Outputs:	1 x XLR Loop Thru
Input Sensitivity:	1.4 Vrms (sine) at center
	0.35 Vrms (sine) at Maximum
Level Controls:	Volume
EQ Controls:	HF Boost Switch, Mode Switch (Full Range or with Sub)
Limiter:	Peak and Average limiting on Horn and Woofer
LED Indicators:	Power, Limit, Clip
Enclosure Materials:	Injection Molded ABS
Baffle Material:	Injection Molded ABS
Covering / Finish:	Urethane Paint (Black)
Dimensions (DWH xbackW, inches):	14.5 x 20.5 x 16
Dimensions (DWH xbackW, cm):	6.8 x 52.1 x 40.6
Weight (lbs/kg):	47 / 21.4