



KEY FEATURES

- Advanced Line Array System ALAS™
- Powered, three-way configuration
- Class D amplifier 1000 W LF + 500 W MF + 500 W HF
- Powerful DSP with Brickwall FIR Filters
- Remote monitoring and control via DASnet™
- 1 x 12" neodymium loudspeaker
- 1 x 8" neodymium loudspeaker
- 2 x M-75N neodymium compression driver with 1.5"
- BPS-2912 high frequency plane wave generator



DESCRIPTION

The AERO-40A is a 3-way powered line array system which incorporates connectivity for remote monitoring and control. The unique configuration of the AERO-40A Advanced Line Array System (ALAS™) incorporates a rear-loaded 12" transducer in a bass-horn configuration for low-end reproduction. The mid-range is handled by an new 8" transducer developed specifically for the AERO-40A. High frequency reproduction relies on two DAS M-75N compression drivers attached to a new BPS-2912 waveguide.

The three channel, high efficiency Class D amplifier design is equipped with a switch mode power supply (SMPS) and a comprehensive protection package for both the amplifier as well as the components. Channel one powers the low frequency way, channel two the mid-range with channel three powering the high frequency drivers. The AERO-40A incorporates the latest in digital signal processors. Brick wall FIR filters provide perfect alignment between ways achieving exceptionally uniform coverage all the way down to the crossover point.

Top-of-the-line AD/DA converters have been employed allowing for significant improvements in dynamics, lower distortion and ultra-low noise levels. Remote monitoring and control is provided by way of DASnet™, the audio management application for DAS powered cabinets and processors which offers users instant and intuitive view of the system status as well as control over a range of parameters of a single cabinet or a network of them.

The AERO-40A has been constructed using birch plywood and finished with the ISO-flex black paint it offers excellent protection and durability. Three individual assemblies comprising the high frequency waveguide, the horn device for the 8" mid-range and the carrier for the 12" woofer are made

APPLICATIONS

- House of worship
- Theatres, auditoria and performing arts centers
- Live music clubs
- Corporate A/V
- Live sound touring/Rental services

from injection molded aluminum and attached to the front of the cabinet. A two-piece injected aluminum heat sink housing the amplifier and related electronics is attached to the rear of the cabinet. To provide both strength and resistance to corrosion, stainless steel has been used for the fasteners and major parts of the new rigging system.



SPECIFICATIONS

Performance

Frequency Range (-10 dB)	60 Hz - 20 kHz
Horizontal Coverage (-6 dB)	90°
Vertical Coverage	Splay Dependent
Maximum Peak SPL at 1 m	138 db

Electronics and Connectors

Nominal Amplifier Power LF (continuous)	1000 W
Nominal Amplifier Power LF (peak)	2000 W
Nominal Amplifier Power MF (continuous)	500 W
Nominal Amplifier Power MF (peak)	1000 W
Nominal Amplifier Power HF (continuous)	500 W
Nominal Amplifier Power HF (peak)	1000 W
Input Type	Balanced
Input Impedance	20 kohms
Input Sensitivity	6.2 V (+18 dBu)
Audio Signal Input Connector	1 x Female XLR
Audio Signal Loop Thru Connector	1 x Male XLR
Audio/Data Input Connector	etherCON
Control	DASnet™
Audio + Data Loop Thru Connector	etherCON
AC Input Connector	powerCON TRUE1
AC Output Connector	powerCON TRUE1
Operating Range	90-250 VAC
Current Draw 115 V	6 A
Current Draw 230 V	3 A

Enclosure

Enclosure Construction	Birch Plywood
Enclosure Geometry	Trapezoidal 3.5°
Rigging	Captive Rigging System
Finish	ISO-flex Paint
Color	Black
Dimensions (H x W x D)	320 x 1.012 x 520 mm 12,6 x 39,8 x 20,5 in
Net Weight	78,0 kg (172,0 lb)

Components

LF Driver	8AN4
MF Driver	12GNRC
HF Driver	M-75N
Horn/Waveguide	BM-8905

Shipping

Carton Dimensions (H x W x D)	1.111 x 391 x 746 mm 43,7 x 15,4 x 29,4 in
Shipping Weight	84,0 kg (185,2 lb)



ORDERING INFORMATION

Performance

Model	Description	P/N
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System

AERO-40A	3-way Powered Line Array	10420310
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Replacement Parts

12GNRC	Cone Transducer	20208620
8AN4	Cone Transducer	20208750
BM-8905	Horn	30005544
GM-12G	Recone Kit	20208060
GM-8AN4	Recone Kit	20208390
GM-M75N	Diaphragm	20205080
KIT-AERO-40A MASTER	-	20406510
KIT-AERO-40A SLAVE	-	20406520
KIT-DSP-AERO-40A	Dsp	30006180
M-75N	Compression Driver	10208030
MP-AERO-40A	Power Module	30005281
PIN-8	Pin	30002877

Accessories

AX-AE40S3	Rigging Accessories	10102930
AX-COMBO2040	Rigging Accessories	10102850
AXS-40UX	Installation & Stacking Acc.	10102932
AXS-AE40	Installation & Stacking Acc.	10102790
EC-09	Electronic Accessories	20502110
EC-2	Electronic Accessories	20502120
EC-20	Electronic Accessories	20502130
EC-30	Electronic Accessories	20502140
ECP-20	Electronic Accessories	20502080
ECP-3	Electronic Accessories	20502060
ECP-30	Electronic Accessories	20502070
ECPK-1	Electronic Accessories	20502090
ECPK-20	Electronic Accessories	20502180
ECPK-5	Electronic Accessories	20502100
FUN-4-AE40	Transport Accessories	10103620
FUN-AE40	Transport Accessories	10103610
PICKUP-AX-AE40S3	Rigging Accessories	10102810
PL-40S	Transport Accessories	10113150
PLINKI-09	Electronic Accessories	20502150
PWCONLINK-09	Electronic Accessories	20502210



DIMENSIONS

