KAX0808E

AUDIO DSP MATRIX SYSTEM

KAX 0808E	**DSP Matrix System**
KAF 08001	**Remote Paging Microphone one zone**
KAF 08004	**Remote Paging Microphone four zone**
KAF 08008	**Remote Paging Microphone eight zone**
KAX 08RMC	**Music (Channel + Volume) Remote Controller**
KAX 08PST	**Remote Preset Changer**
KAX 08DTC	**PS-485-232 Data Converter (To set up the matrix from a remote location)**

The KAX 0808E is an 8 input by 8 output programmable system offering real cross point audio mixing. With individual input volume control to each output, all eight inputs can be routed or mixed to eight outputs. The KAX 0808E processes audio in a true digital format unit using 24bit converters, 48K Hz sampling and 32-bit DSP technology.

The Ultrak KAX 0808E has 20 presets, which enable the user to save up to 20 different system configurations and recall them at any time. An additional "ALARM" preset is available via a remote contact, which will override any other system save up while it remains activated. This preset could be used for optimising the system for Emergency speech broadcasts etc. External devices can remotely trigger all 8 inputs. Other features include “Smart Paging” an intelligent noise sensing system, parametric EQ, Hi and Low cut filtering, compressor/limiter, programmable signal delay and password protection.

The KAF zone paging microphones are available in single zone, 4 zone or 8 zone options. Each microphone includes All call, Busy and Priority LEDs. Up to 32 KAF microphones can be connected to a single input on the KAX 0808E.

Inputs to the KAX 0808E are via 3 pin XLR Sockets. 5 way dip switches are dedicated to each Input. These provide 3 input sensitivity level of 0dB,-25dB &-55dB and phantom power operating voltages of 24vdc or 48vdc switchable.

The system can be configured in several ways. Either via controls on the front panel of the KAX 0808E or locally via the RS-232 link to a windows based PC operating system using our dedicated software package. The system may also be controlled remotely, (up to 1200 meters) using our KAX 08RMC dedicated volume/program control unit over an RS-485 data link. If used with the KAX 08DTC data converter connected to a window based PC system, full system programming can be achieved.

For use in Emergency systems the KAX 0808E has the facility to operate on 24vdc via remote battery Back-up. The KAX 0808E also incorporates a self-monitoring system, checking all hardware and software functions for operation. On detection of a fault, indication is given via a relay contact. This defaults to a closed contact for remote monitoring or bypass.

ULTRAK

KAX0808E

ELECTRICAL

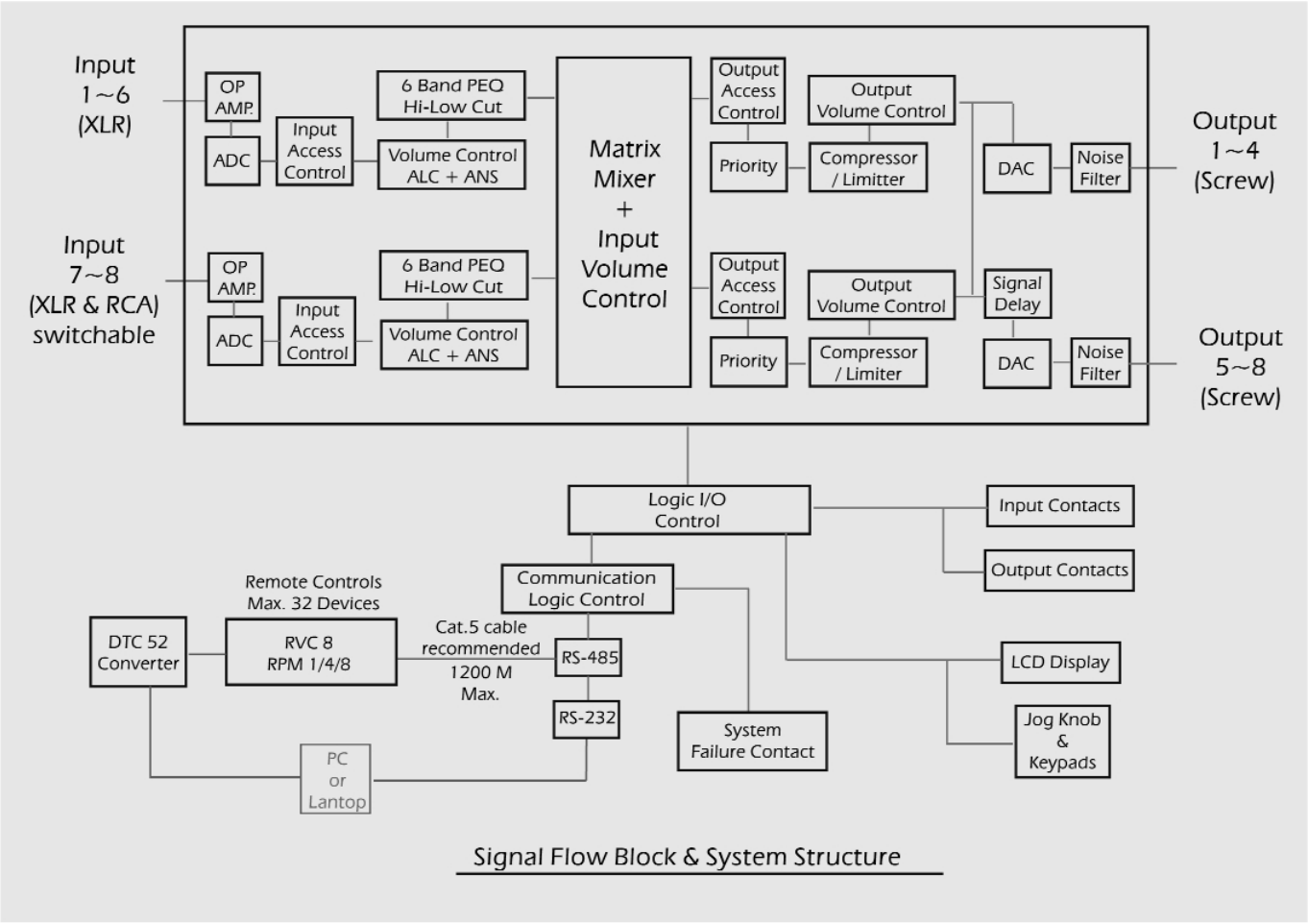
Number of Inputs and Outputs	8 x 8
Impedance of Input, Ohm	Input 1~8 : 10k (XLR)/ Input 7&8: 20k (RCA)
Type & Connector of Input	Active Balanced, XLR
Sensitivity on Inputs, dBv	-55, -25, 0 Switchable
Impedance of Output, Ohm	150
Type of Output Connectors	Active Balanced, Screw Connector Block
Max. Output Level, Volt	4.5v (13 dBv)
Frequency Response, Hz	20 - 20,000
THD + Noise, %	Less than 0.5
Signal-to-Noise Ratio@0db In-Out, dB	>90 A-weighted @0dBv in-out
Max. Remote Controls	32
System Failure Device	Relay Contact: Close (normally open)
Max. Length of External Data Bus, Meter	1200, (can be longer with Extra Power Supply)
Alarm inputs	8 (5 - 30VDC)
Relay outputs	8 (50V - 500mA)

POWER

Power Supply, Vac	88 ~130/172~-260, 50/60Hz
	Autoswitching
	23 - 25 VDC
Power consumption	Less than 50W

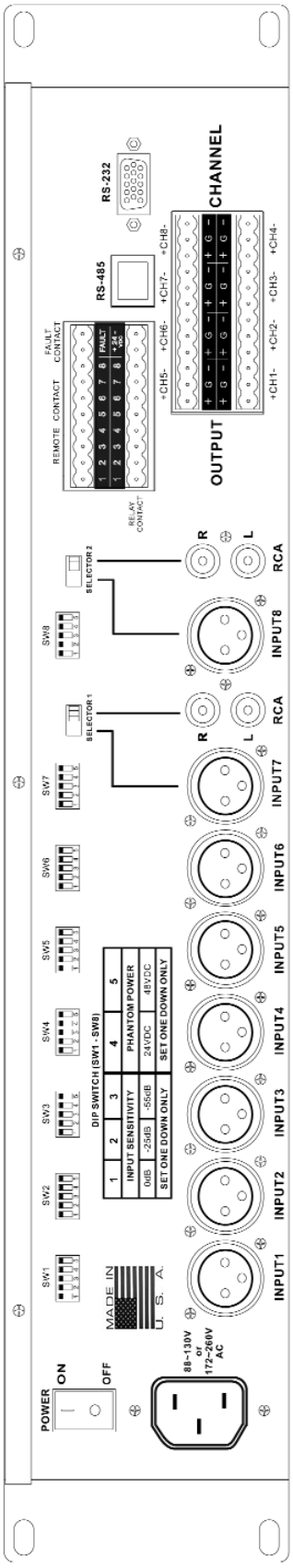
ENVIRONMENT AND MECHANICAL

Dimensions(WxDxH), mm	431x 318 x 88 (w/Mounting Bracket, W:482)
Net weight, Kgs	6.58
Materia and Mounting	Steel, 19" Rack Mount
Operational Temperature	0 to 7ºC



Signal Flow Block & System Structure

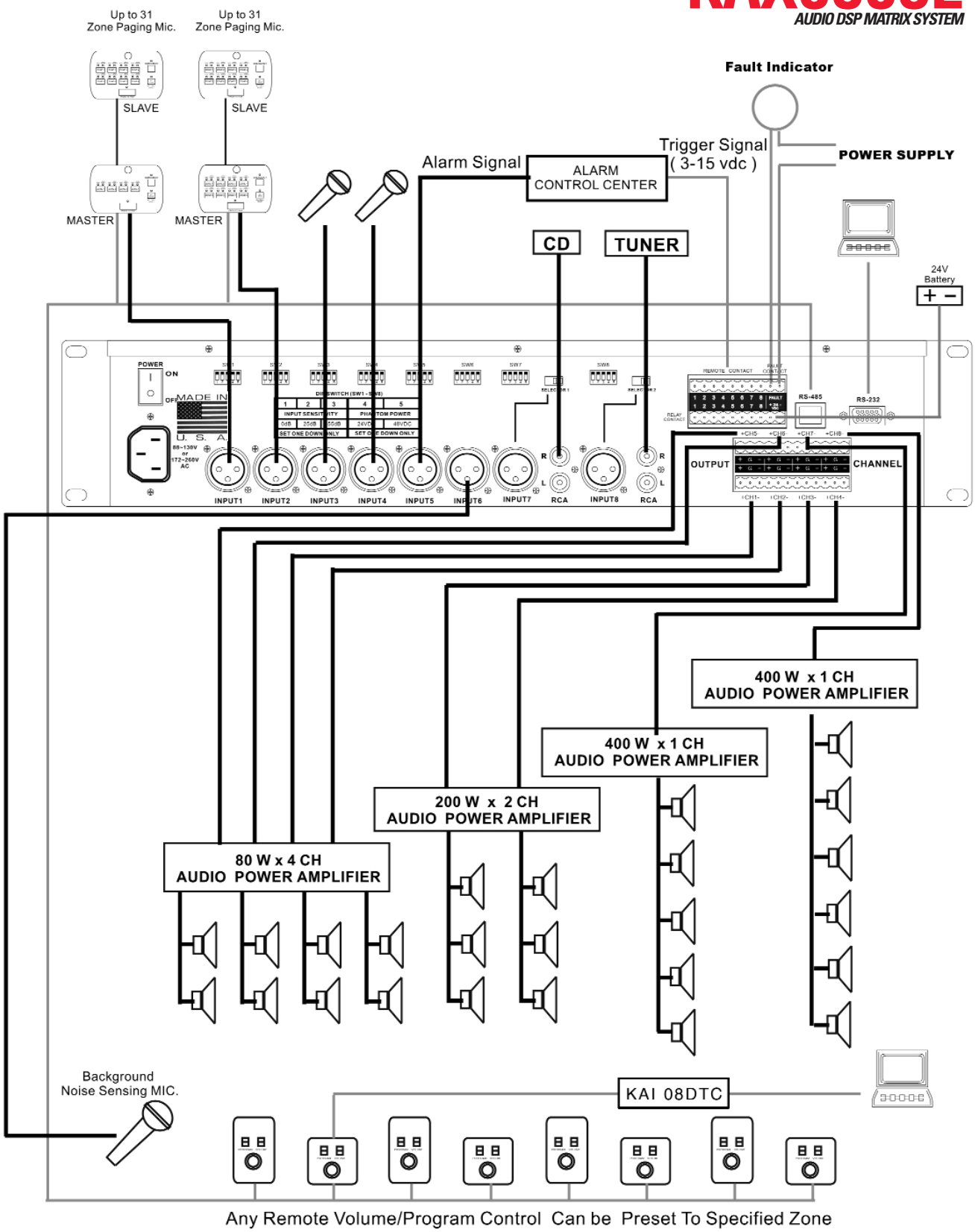
Front View



Rear View

KAX0808E

AUDIO DSP MATRIX SYSTEM



Any Remote Volume/Program Control Can be Preset To Specified Zone

Conversion: 1" = 25.4mm
Measurement conversions are approximate

Design and specifications subject to change without notice.

For USA, Canada, South America, Europe, Africa & Middle East - info@ultrakpa.com

ULTRAKPA Inc:
Astoria, NY 1103, U.S.A
Phone + 1 (914) 210-1483
info@ultrakpa.com
www.ultrakpa.com