

Audio Matrix System

PUBLIC ADDRESS SYSTEM

**Audio
Matrix
System**



KAF1402EBB



Ultrak's Audio Matrix System is a reliable, high specification control system for small to medium sized Public Address (PA) and security installations.

The ability to connect up to 5 separate microphone control points allows the accurate delivery of messaging to both individual 'zones' and groups of zones, without affecting non-selected areas. The matrix design also enables a variety of audio sources to deliver different music and messaging to individual locations.

Both microphone and digitized audio messaging can be activated from any of the paging microphones, and the ability to set priority levels prevents the collision of announcements. The matrix displays the status of each microphone and zone at any time i.e. MIC OPEN or ZONE BUSY.

In the event of an emergency, preset digital messages can be activated from any of the control points. The inclusion of 8 alarm inputs allows the integration of fire detection equipment to maximize the response time when the building needs to be evacuated. Fire service microphones may also be connected.

With the ability to both program and control the unit from a PC*, Ultrak's Audio Matrix provides a flexible and cost-effective PA control solution for emergency management, building control and in-store advertising.

- **Connect up to 5 paging microphones**
- **Announce to selected zone or group of zones without interfering with non-selected zones**
- **Launch digital messages from the keyboard to a selected zone or group of zones**
- **Launch emergency messages from the keyboard**
- **Set priority levels by order of importance to avoid collisions**
- **Display microphone status**
- **Firemen microphone may be connected**
- **Multiple music sources**
- **8 alarm input contacts allow connection to fire detection system)**
- **Auto switch to back-up battery power supply (24Vdc) in the event of main power loss**
- **PC programming and control***
- **Complete surveillance system compliant with EN60849 standards***
- **4 relay outputs for volume control override**



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TECHNICAL SPECIFICATIONS

GENERAL

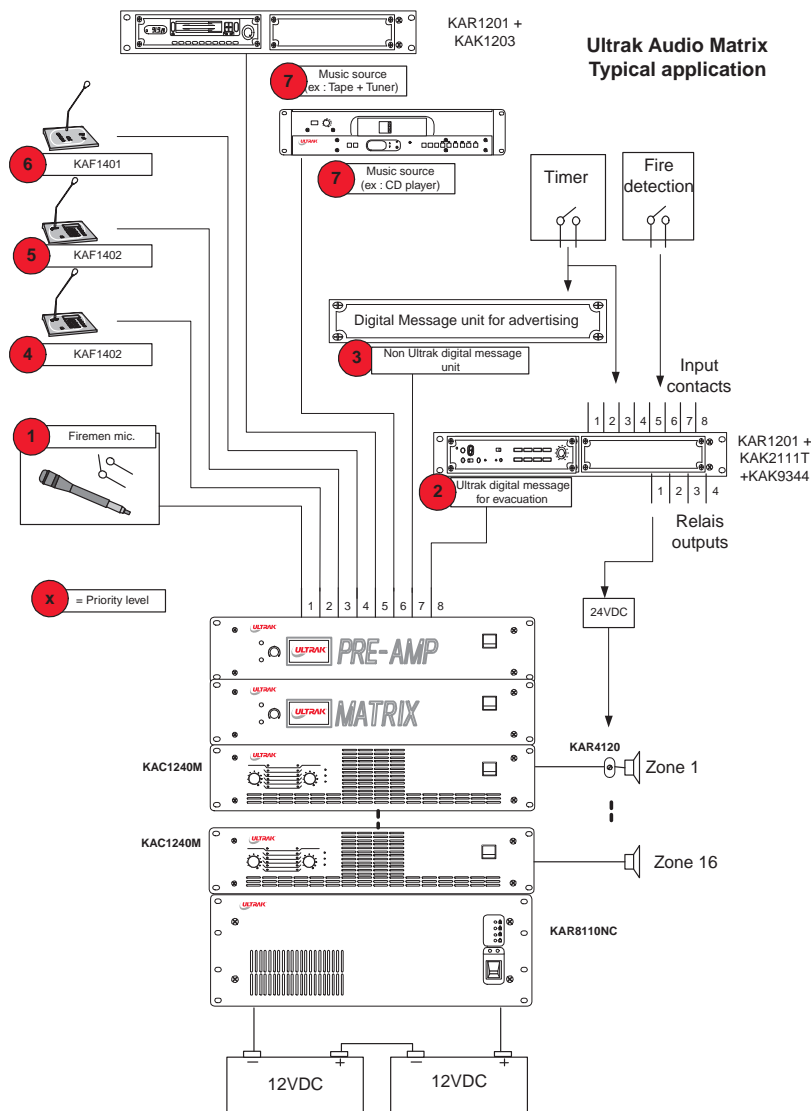
8 Universal Inputs. Each input includes:

- Balanced electronic (XLR + Jack)
- RS485 link to Ultrak paging microphones (KAF1401 and KAF1402)
- Audio link to Ultrak Flexpro audio modules (Tuner, Tape, CD, Digital messages recorder)
- Phantom power supply (ON/OFF)
- Tone control (Bass and Treble)
- Level adjustment
- 8 priority levels
- Priority given per contact, RS485, VOX detection

- 9 freely programmable zone groups
- Full 8x16 cross-point matrix.
- 8 alarm inputs (N/O or N/C)
- 4 relays outputs
- Digitally controllable. All settings are stored in Flash memory.
- Power supply: 110/ 220 VAC and 24VDC.

16 Outputs. Each output includes:

- Balanced electronic (XLR + Jack)
- Level adjustment



Conversion: 1" = 25.4mm

Measurement conversions are approximate

Design and specifications subject to change without notice.

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