

# KAX1210

## PAGING SYSTEM



The KAX1210 paging system is the central part of a PA system allowing the user to broadcast either a music signal or a voice message into a selected zone or group of zones

The system consists of one vocal source (one or several microphones and/or digital message), one music source (CD player, tuner...), two 70V/100V amplifiers (one for the voice, one for the music), the KAX1210 and the 70V/100V loudspeakers. For each zone, the KAX 1210 acts as a switch connecting the speaker line to the output of either the music amplifier or the voice amplifier.

Each KAX1210 allows to page in up to 16 zones. Several KAX1210 can be linked in cascade, allowing the user to build a modular system up to 256 zones (16 x KAX1210). The KAX1210 with address 0 is the master to which the microphones, the Digital Message Unit and the music sources are connected. The slave KAX1210 will receive the audio signals from the master. In that case the volume and tone control of the slave will be bypassed. A slave KAX1210 can also receive its music input from an independent source. This function is enabled through an option switch. Each zone has a 24VDC output to override the zone attenuators if necessary.

The KAX1210 has a preamplifier stage allowing the following connections:

- Up to five microphone consoles KAF1402, with two-way tone and volume control.
- A Digital message unit KAK2111T. It requires an interface KAK9344 and the expansion cabinet KAR1201. It has a volume control potentiometer.
- 3 Music sources (stereo RCA connectors) with a selector switch and a volume control. Music input 3 allows connecting an expansion cabinet KAR1201 with one or two KAK music modules.

This system has two main application fields:

- PA configurations having a lot of zones, but with a few speakers per zone (typical applications: schools).
- All PA applications not requiring several sources routed to several zones at the same time (no matrix function).

The KAX1210 integrates a 4-tone chime for pre-announcement purpose. A customized chime may also be recorded into the Digital Message Unit for particular applications.

- Up to five paging microphones KAF1402
- 8 priority levels
- Integrated and external chime
- 3 music inputs
- Microphone input with two way tone control
- Remote control via RS232 port
- 10 free programmable groups of zones
- Password protection



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## TECHNICAL SPECIFICATIONS

### ELECTRICAL

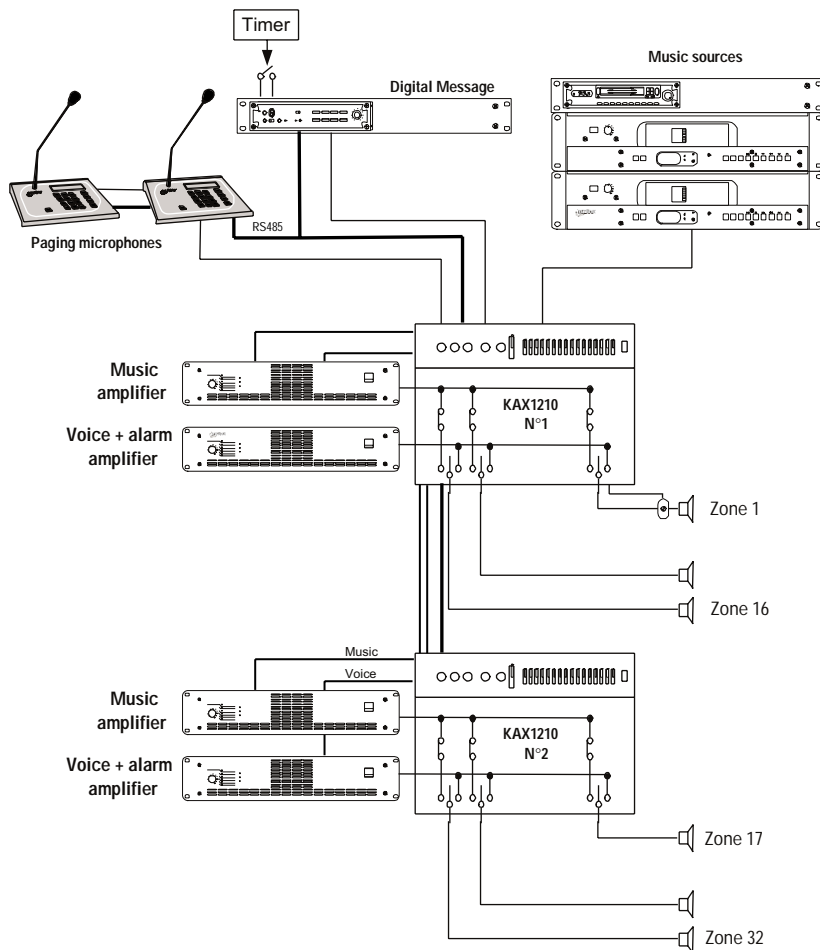
Frequency Response	40 Hz to 20Khz -3dB
THD at 1KHz	Less than 0.1%
Signal to Noise Ratio	> 80dB
Audio Input, Microphone and DMU	Balanced, 0dB
Audio Input, Music sources	Non-Balanced, 0dB
Audio Power Handling	Max. 500W
Output switching power per channel	Max 100W
Attenuators override output	24VDC Max. 40mA

### POWER

Power Source	100VAC – 240 VAC
	50Hz/60Hz
	24VDC 4 A
Power consumption	Max. 100W

### ENVIRONMENT AND MECHANICAL

Operation temperature	0°C to + 50°C
Dimensions	L 483 x H 133 x P 340 mm
Color	White



Conversion: 1" = 25.4mm

Measurement conversions are approximate

Design and specifications subject to change without notice.

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