



OPERATIONAL MANUAL

EMZS-8006

6CH Uninterrupted Speaker Zone Selector



Version 1.6

Product Overview

The **EMZS-8006** is a 1U rack-mounting unit that provides 6 channel uninterrupted speaker zone selector. It can switch for dual sources (paging and BGM) public address system setup via front panel setting buttons. The public address loud speaker outputs are connected to the zone selector through high quality relay networks that operate with uncompromisingly high audio quality to ensure consistently high intelligibility. The switching can be remotely controlled from EMKP-8001 digital paging console via CAT-5 cable up to 1.2Km or through analogue hardwire port up to 300m in length. Furthermore the analogue wire can be configured to positive edge trigger or negative edge trigger. This makes the EMZS-8006 versatile and compatible to other zone selector controllers in the market.

In addition, EMZS-8006 is integrated with 3-wire and 4-wire overriding feature. User is able to configure the overriding function activated by ALL CALL or CALL ACTIVE. This integrated feature greatly reduces the external components needed in configuring 3-wire and 4-wire system. Both three-wire and four-wire override schemes are supported. An override also activates a voltage-free contact (call-active) available for external control. Furthermore, each zone has a tri-state control on the front panel that can turn it off, switch it to the call channel, or to the BGM channel.

The loud speaker zone selector to select BGM rated at a maximum current 5A rated at 100V line on every channel. Front panel soft touch button for manual selection while a green connector is provided at the rear panel for remote or external switching of zones and this is the highest priority for controlling the zone. A paging microphone logo shall light up in the LCD display whenever there is an external triggering for visual monitoring. Each unit of 6CH zone selectors is linkable by a single CAT5E cable by just a simple set up for the different IDs.

Features

- 6CH Uninterrupted Zone Selector, expandable up to 180Zones (30units)
- 6CH Uninterrupted Zone Selector, with single or dual channel operation
- Each zone has a tri-state control
- An override activates a voltage free contact (all call & call active) available for external control
- Integrated with 3-wire and 4-wire overriding feature.
- Single CAT5 cable inter-link up with other zone selector units
- Selectable Hardwire (analogue Trigger) compatible with EMIX old System
- RJ45 communication port (Digital +/- Data) throughCAT-5E cable
- Digital remote control from EMIX paging console through CAT-5 up to 1.2KM**
- Negative and positive trigger by setting an internal jumper
 - Negative Trigger - Limited length can be up to 200ft
 - Positive Trigger – Theoretically there is no limit length
- 500W (100V line) maximum power handling per output
- 2X 16 characters Liquid crystal display (LCD) to display system status & message
- Software base ID address setting to eliminate complicated DIP switches setting
- Programmable background music (BGM) setting with recall function
- Built-in external ALL CALL top priority override triggering port for emergency
- Built-in Microchip controller makes every step of control simple to operate