User Manual

TCI

16 Zone Selector TCI-1608Z

Safety Instructions

CAUTION: To reduce the risk of electric shock, do not remove any co NO USER-SERVICEABLE PARTS INSIDE, REFER ANY SERVICING TO QUALIFIED SERVICE PERSONNEL.

IMPORTANT SAFETY INSTRUCTIONS

* Read and keep these instructions available for future reference.
* For indoor use only.
* The unit must only be connected to a suitable mains power supply using mains power lead provided.
* To reduce the risk of fire or electrical shock, do not expose this unit to rain or moisture.
* The apparatus shall not be exposed to dripping or splashing.
* No objects filled with liquids, such as vases, shall be placed on the apparatus.
* Unplug the unit from the wall socket during lightning storms and when it is not going to be used for a long period of time.
* Take care that foreign objects do not enter, or liquids are not spilled, into enclosure through any openings. If this should happen, refer to qualified service personnel before attempting to use.
* Ensure adequate ventilation - do not cover this unit with curtains, etc.
* Do not install near any heat source, such as radiators, or other equipment that produces heat.
* Protect the mains power cable from being damaged.

CAUTION
RISK OF ELECTRIC SHOCK!
DO NOT OPEN !

The lightning lash symbol with the arrowhead within an equilateral triangle is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be suficient to constitute a risk of electric shock to persons

The exclamation point within an equilateral triangle is intended to alert the user to important operating and maintenance instructions in the service literature relevant to this appliance.

Features and Description

1. Built-in 4-group of zones (Group A, Group B, Group C, Group D); each group zone can be connected with one service amplifier and one emergency amplifier. Each group zone can independently control 4 zone outputs, totaling 16 zone outputs; each output has a maximum controllable power of 800W, for a total controllable power of 12800W.

2. 4-group of zones support to connect (1-8) amplifiers flexibly.

3. Supports RJ45 interface, enabling network organization via RS485 bus, facilitating quick and easy connection; supports up to 16 zone controllers connected daisy-chain, totaling 256 zone outputs.

4. Each zone can freely switch between service status (background music + paging microphone + line input 2) and emergency status (EMC trigger + line input 1).

5. Built-in preamplifier with two-level priority function, supporting intelligent paging microphone input (up to 16 paging microphones can be connected hand-in-hand), 1 local microphone input, and 2 local line inputs.

6. Support local and remote zone paging function, convenient and flexible zone control.

7. Local volume, input audio source volume, and zone control can all be controlled through the intelligent paging microphone.

8. With power-off memory function, enabling resumption of selection after power-on (only background music status is remembered).

9. Dual-color zone status indicator lights accurately indicate music (bright blue light), paging (flashing blue light), or alarm status (flashing red light).

10. Supports manual operation or programmable controlled actions.

11. Connects to the central host via bus protocol to form a powerful programmable controlled zone system, improving system management capabilities.

12. Task priority: LINE IN1 > Intelligent paging microphone > LINE IN2, local MIC.

Front Panel
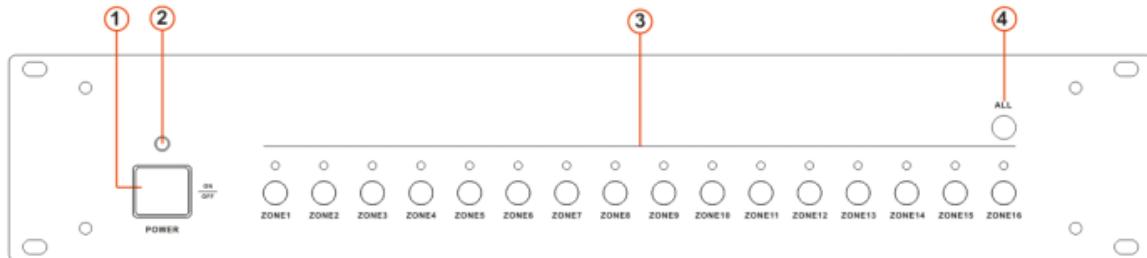
1.**Power switch**

2.**Power indicator light**

3.16 zone button and zone indicator light

Quickly open or close the zones; in normal BGM broadcast status, the zone indicator light is blue on; in

paging status, the zone indicator is blue flashing, emergency broadcasting, the zone indicator is red

flashing.

4.All-zone button

A short press turns all zones on or off, while a long press switches between service broadcast mode (local

microphone + background music (LINE IN2) + paging microphone) and emergency broadcast mode (LINE

IN1).

Rear Panel
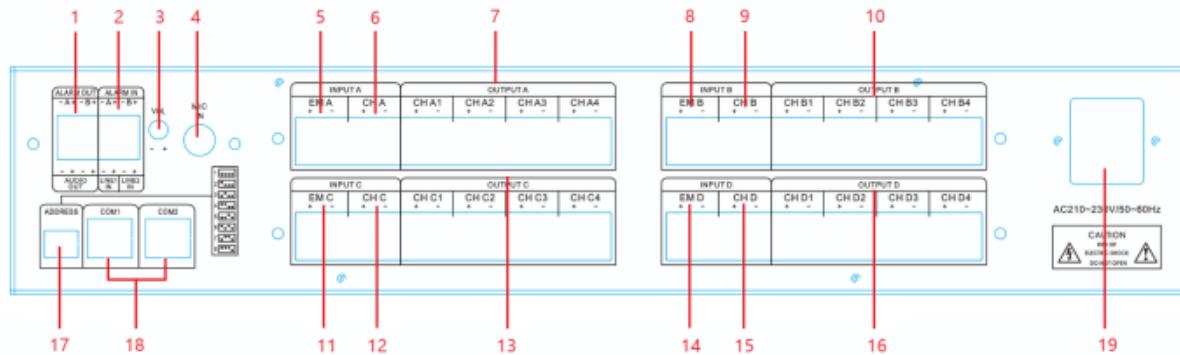
1. ALARM OUT
A and B: dry-contact shortcircuit output interface to trigger other devices.

2. ALARM IN
A and B: dry-contact shortcircut input interface will trigger the fire alarm broadcast, open the EMC channel zone, and the indicator light flash red. This interface can be cascaded by connecting to the ALARM OUT of another zone selector device.

3. Local Mic Volume Adjustment

4. Local Mic Input

5. EMC Amplifier Input Interface of Zone Group A

6. Service Amplifier Input Interface of Zone Group A

7. Zone Output Interface of Zone Group A
It can be divided into 4 independent output zones (OUTA1~OUTA4).

8. EMC Amplifier Input Interface of Zone Group B

9. Service Amplifier Input Interface of Zone Group B

10. Zone Output Interface of Zone Group B
It can be divided into 4 independent output zones (OUTB1~OUTB4).

11. EMC Amplifier Input Interface of Zone Group C

12. Service Amplifier Input Interface of Zone Group C

13. Zone Output Interface of Zone Group C
It can be divided into 4 independent output zones (OUTC1~OUTC4).

14. EMC Amplifier Input Interface of Zone Group D

15. Service Amplifier Input Interface of Zone Group D

16. Zone Output Interface of Zone Group D
It can be divided into 4 independent output zones (OUTD1~OUTD4).

17. DIP Address Setting
When multiple devices are connected , different address codes need to be set; the default address is 1.

18. RJ45 Port: Connect with other device, and can also connect with other zone selector hand-in-hand.

19. Power Input and Fuse

System Diagram
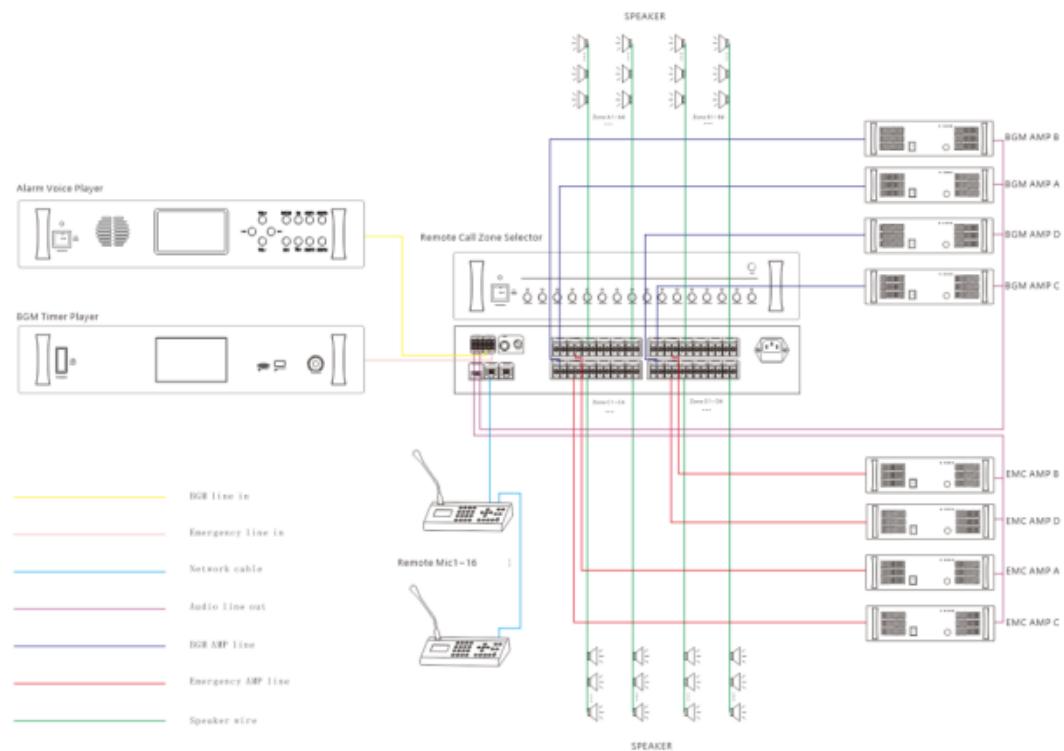
DIP Address Instruction
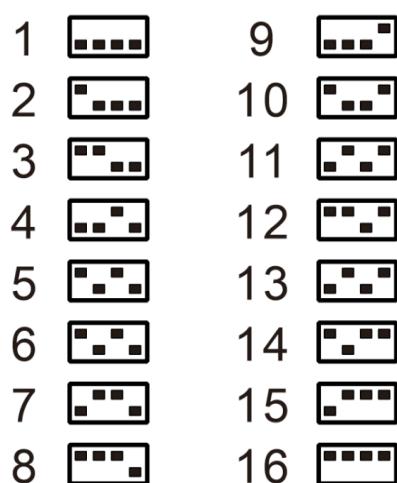
Specification

Model	TCI-1608Z
Voltage	AC210V~230V 50Hz
Max Input Power	35W
Rated Power	25W
Control Way	Short-circuit trigger/Button Control/Linkage Communication
Zone Input	4-group service broadcasting and 4-group EMC broadcasting
Zone Quantity	4 groups zone output, 4 channels in each group, total 16 zones
Weight	7.36KG
Dimension(mm)	484 * 350 * 88mm

The products are constantly improving,subject to change without prior notice.