PAVA9009

Fireman Microphone

Description

EN54-16 fire emergency broadcasting system provides manual operation and timing programming, and gives priority to the former over the latter; supports real-time monitoring of equipment operating status and recording of operating logs. It meets the relevant standard of “EN54-16 Voice Alarm Control and Indicating Equipment”. The broadcasting system can be used for fire emergency broadcasting, daily service broadcasting and background broadcasting; this system is positioned as a small emergency broadcasting system, mainly used in small shopping malls, small office buildings and exhibition halls, etc.

PAVA9009 Fireman Microphone is used to page each zone of the host PAVA9500 or control its EVAC voice triggering.

Features

- With one-button alarm and two editable alarm voices, with EMC MIC for on-site guidance in case of emergency.
- With 8 programmable buttons for self-defined program sources and broadcasting zones.
- Control EVAC.
- Powered by bus and DC48V.
- The system can support up to 8 devices (remote paging microphones or fireman microphones). With RJ45 ports, these microphones are powered by bus communication port and connected hand in hand.
- Support redundant wiring of lines.
- If the host is connected to a device via a single port, it can support a maximum transmission distance of

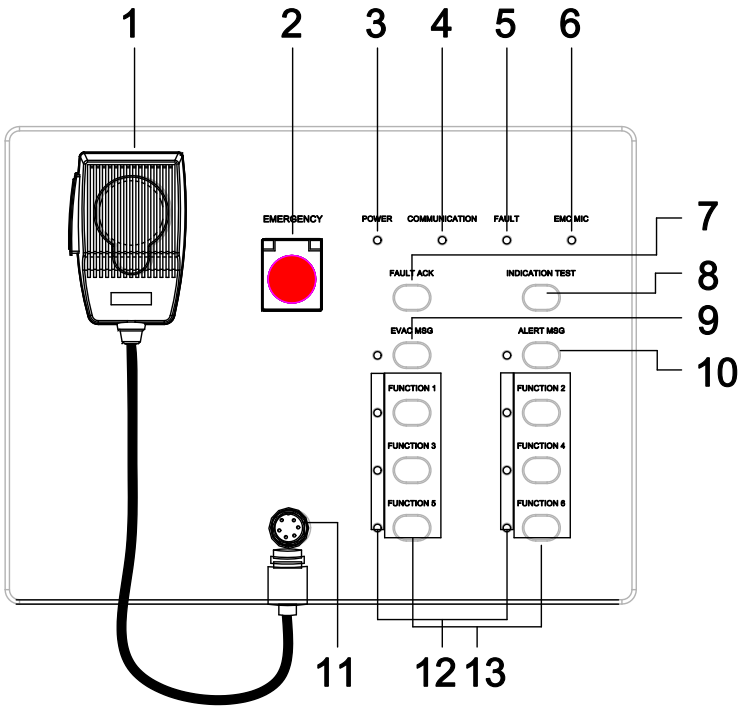
600 meters. The host can be cascaded to up to three devices via a single port, with a maximum transmission distance of 300 meters.

Specifications

Model	PAVA9009
Microphone Input Sensitivity	5mV 600Ω
Frequency Response	80Hz~15kHz (±3dB)
Distortion	<1%
S/N Ratio	>75dB (A-Weighted)
PoE Power	(48±3)V/0.1A
Interface	RJ45
Package Dimensions	370×220×115mm
Machine Dimensions	220*166*50mm
Gross Weight	2.2Kg
Net Weight	1.7Kg

Front / Rear Panel

Front Panel



PAVA9009 Fireman Microphone

1—Handheld Emergency Paging Microphone Holder

When the microphone is not in use, put the hook on the back of the microphone into this holder.

2—Emergency Voice Switch

- Flashing Red - The current system is working in emergency mode.
- Off - The current system is working in normal mode.

3—Power Indicator

- On - Indicates that the device is powered normally.
- Off - Indicates abnormal power supply.

4—System Host / Fireman Microphone Connection Status Indicator

- Green - Indicates that the current device is connected normally.
- Yellow - Indicates that the current device is not logically or physically connected to the system host.

5—System Fault Status Indicator

- Off - Indicates that all modules of the system equipment works normally. (If the master detection switch of the system is disabled, this indicator light will go out, but it does not mean that all modules are normal.)
- Normally Yellow - Indicates that the current device fault has been solved.
- Flashing Yellow - Indicates that there is a new device fault.

6—Emergency Microphone Status Indicator

- Green - Indicates that the microphone is paging.
- Off - Indicates that the current microphone is normal and not working.
- Yellow - Indicates that the microphone is faulty.

7—Multi-function Reset Button

- Respond to the system status.

a. If the device is working normally or if the button is pressed when an abnormality is diagnosed in the system and the "FAULT" indicator light is not flashing, the device will have no other response.

b. If an abnormality is diagnosed in the device, the "FAULT" indicator light will flash intermittently. After pressing this button, the "FAULT" indicator light will be normally on and no longer flash, indicating the device fault status, and the buzzer will stop unless a new abnormality is diagnosed in the system.

8—Equipment LED Test

- Press this button to test the LEDs, and the LED indicator lights on the panel will light up sequentially from red to green to yellow, and then press this button again to cancel the test (which is used to test whether the LEDs on the panel of the machine are normal).

9—EVAC Voice Message Button and Status Indicator

- When the EMERGENCY indicator light is flashing, press this button and then the indicator light will light up. If the ALERT MSG indicator light is on, press this button and then the ALERT broadcast will be stopped, the ALERT MSG indicator light will go out, and the EVAC alarm voice will be broadcast.
- When the EMERGENCY indicator light is off, press this button and it does not work.
- Green - The current "EVAC MSG" voice message is being broadcast.
- Off - The current "EVAC MSG" voice message is not broadcast.
- Yellow - The current "EVAC MSG" voice message is lost or the SD card is faulty.

10—ALERT Voice Message Button and Status Indicator

- When the EMERGENCY indicator light is flashing, press this button and then the indicator light will light up. If the EVAC MSG indicator light is on, press this button and then the EVAC broadcast will be stopped, the EVAC MSG indicator light will go out, and the ALERT alarm voice will be broadcast.
- When the EMERGENCY indicator light is off, press this button and it does not work.
- Green - The current "ALERT MSG" voice message is being broadcast.
- Off - The current "ALERT MSG" voice message is not broadcast.
- Yellow - The current "ALERT MSG" voice message is lost or the SD card is faulty.

11—Circular Connector

Note: It is mainly used to connect and fix the emergency microphone.

12—Function Button Status Indicator

- Green - The current shortcut operation function is working.
- Off - The current shortcut operation function is not working.

13—1-6 Self-defined Function Buttons

a. When the indicator light is on, the corresponding configuration operation is executed.

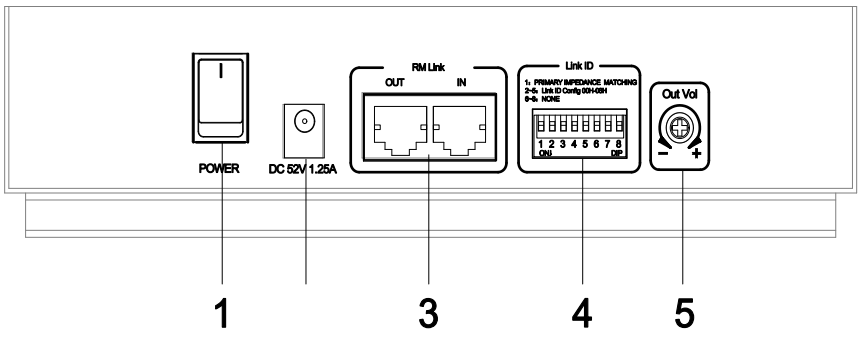
b. When the indicator light is off, the corresponding configuration operation is disabled.

c. Set 6 common paging modes Key1-Key6 on the PC side (please refer to the software operating instructions for the setting method).

d. At this time, the user can press the corresponding shortcut operation button on the panel of the fireman microphone to open the configured zones of the corresponding host or the corresponding zones and play the corresponding 8 built-in program sources or external line input audios synchronously.

e. When the EMERGENCY indicator light is off, press this button and it does not work.

5.4 Rear Panel



1—Paging Microphone Power Switch

- Used to turn on or off the working power of the fireman microphone.

2—DC24V Power Supply Interface

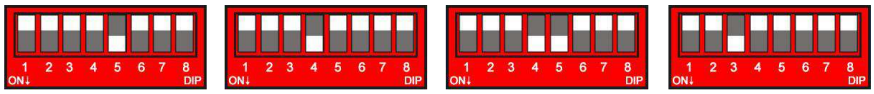
3—CAN-Powered Data Audio Bus Interfaces

With two RJ45 ports, the system can be connected to up to 8 devices (remote paging microphones or fireman microphones) hand in hand.

4—Equipment ID Configuration Switch

"1" is used to set the end matching resistance, dialed down for enabled.

"2~5" indicate the IDs for device connection. The following devices are connected with the IDs as shown below (that is, the binary value of the device ID2~5, dialed down for "1", dialed up for "0"). Note: The silk screen printing "1" on the DIP switch is the highest binary bit, and "5" is the lowest binary bit. For the correspondence between the device address order and the binary value, please refer to the "Attached Table: Comparison Table of Zone Address and Dialing Code Settings".



1 2 3 4

"6-8" is N/A.

5—Emergency Microphone Volume Control