PAVA4400FM

Fireman Microphone

Description

PAVA4400FM is a wall-mounted fireman microphone used with PAVA4600 4-zone integrated voice evacuation system host. It supports the control of PAVA4600 and real-time microphone monitoring; powered by PAVA4600 with 24V network cable, with audio transmission distance up to 300 meters, and it supports redundant wiring and has operation permission control.
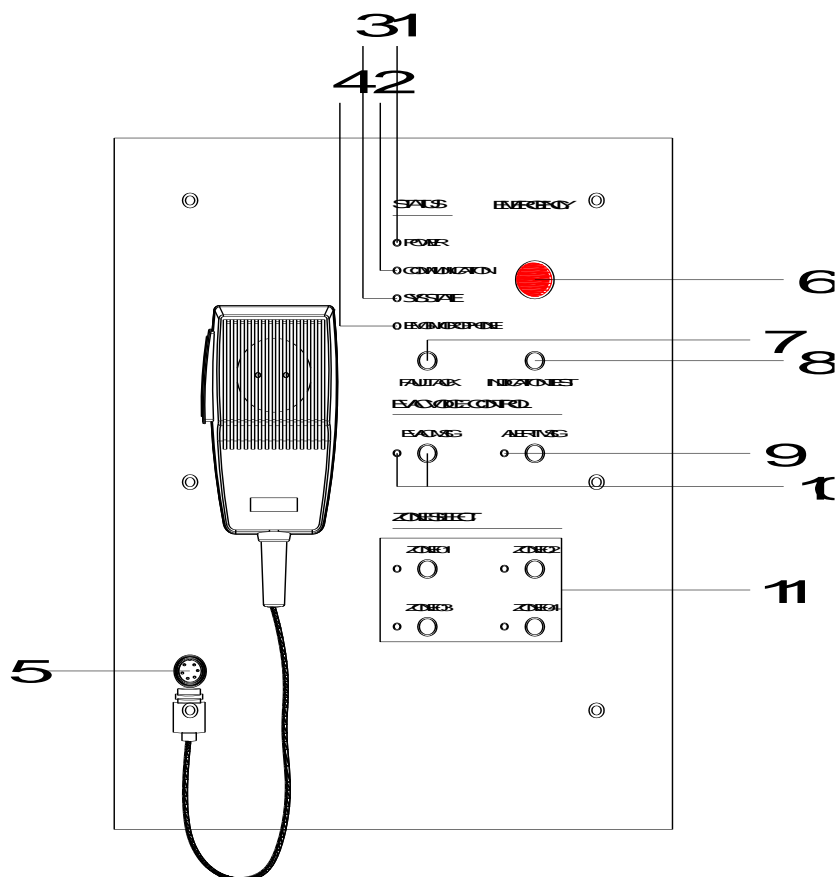
Features

- Support remote control of PAVA4600 host.
- Support microphone real-time monitoring.
- One network cable for 24V power supply, audio transmission and communication.
- Support 300-meter long-distance audio transmission.
- Support redundant wiring.
- With one-key alarm function and two editable alarm voices, with EMC microphone for guidance in emergency situations.
- The system supports automatic fault diagnosis, data backup, line redundancy and fault status record.
- With LED light display, used to indicate the system connection status and fault status.
- Support closed and star connection.

Specifications

Model	PAVA4400FM
Working Voltage	DC24V(connect to the PAVA4600 interface with a network cable)
Sensitivity	5mv (±1mv)
SNR	≥70dB
Frequency Response	100Hz~10KHz(±3dB)
Package Dimensions	313×312×177mm
Machine Dimensions	300×240×100mm
Gross Weight	4.2KG
Net Weight	3.2KG

Front / Rear Panel

Front Panel

1. Host Main Power LED Indicator

◆   Green —— The current host power supply is normal.

2. Host/Extended Host Connection Status LED Indicator

- ◆ Yellow —— The current microphone has not established a logical or physical connection with the host.
- ◆ Green —— The current device is connected normally.

3. Device State LED Indicator
- ◆ Green —— System modules are working normally.
- ◆ Yellow —— There is a fault in the system. (If there is no fault in the system, and the light is still flashing, please press the "ACK/RESET" button.)

4. MIC Status LED Indicator
- ◆ Yellow —— When the handheld microphone is lost or malfunctions, it indicates that there is a fault.
- ◆ Green —— The microphone is working.
- ◆ Off —— When the handheld microphone is normal, it indicates that it is not working.

5. Aviation Socket
- ◆ Mainly used to connect and fix the handheld microphone.

6. System Working Mode Indicator (Synchronize with PAVA4600 host state, and the one pressed later has the priority.)
- ◆ Flashing red —— The current system is working in emergency mode.
- ◆ Off —— The current system is working in normal mode.
- ◆ Enter emergency mode:

  In normal mode, after pressing this key, the red indicator light flashes, indicating that it enters emergency mode.
- ◆ Exit emergency mode:

  In emergency mode, press this button to exit the current mode, and stop playing the EVAC voice message and the zone output.

  Note: You can check the execution time and the mode in the "LOG" of PAVA4600 no matter you enter or exit the emergency mode.

7. Reset Button
If the system module is diagnosed as abnormal, the "SYS STATE" fault LED indicator will flash intermittently. After pressing this button, the "SYS STATE" will stay on and no longer flash to indicate its fault status, and the buzzer will stop. If a new module is detected as abnormal, the "SYS STATE" LED indicator will flash again and the buzzer will start to remind the user.

8. MIC LED Indication Test
Note: After pressing this button, the microphone will enter LED test mode.

9./10. EVAC Voice Message Status LED Indicator and On/Off Control Button (Synchronize with PAVA4600 host state)
- ◆ Green —— "EVAC MSG/ALERT MSG" voice message is being broadcast.
- ◆ Yellow —— "EVAC MSG/ALERT MSG" voice message is lost or the SD card is lost.
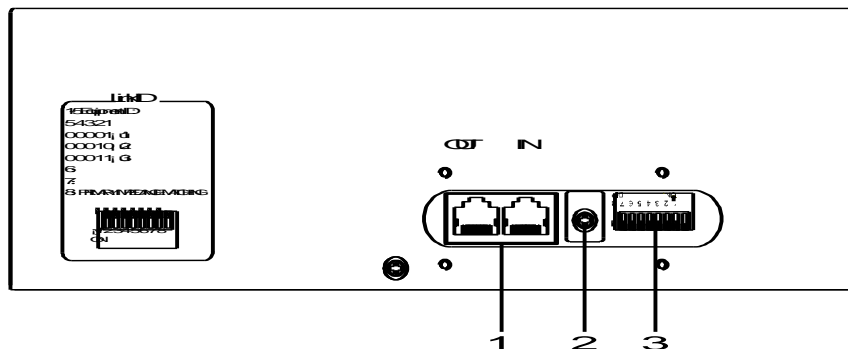- ◆ Off —— "EVAC MSG/ALERT MSG" normal.

Notes:

1. "EVAC voice message" refers to the collective name of EVAC voice and ALERT voice.

2. If you need to play EVAC voice message manually, please enter emergency mode first, and then press the voice message button.

11. Zone 1-4 LED Indicators (Synchronize with PAVA4600 host state, and the one pressed later has the priority.)
- ◆ Green —— The current zone is on.
- ◆ Off —— The current zone is off.

Rear Panel

1. Device LAN Port

Used to connect the system host PAVA4600 or last/next PAVA4400FM device; these 2 ports have no primary or secondary distinction.

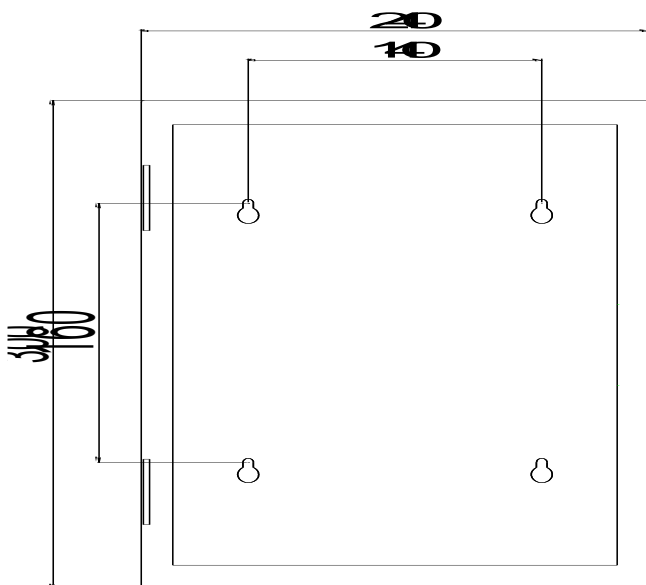## 2. MIC Output Audio Sensitivity Adjustment

3. Device ID Configuration Switch

"1~6" — represents the device online ID. The device online IDs in the figure below are: (ie, the binary value of device ID 1~6, dialing up means "0", and dialing down means "1") When connecting the fireman microphones, the respective address codes must be the same as the corresponding PAVA4600 host and cannot be repeated. The address coding range is 0-9.
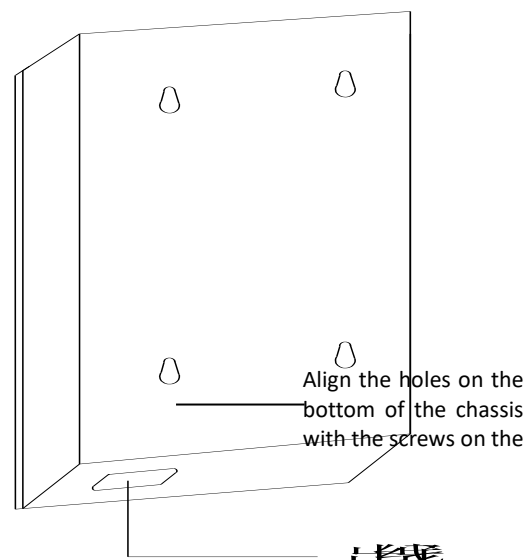

   1   2   3   4

"7" — No configuration yet, keep dialing down.

"8" — Impedance matching, it is tentatively set to keep dialing down (No matching is required by default).

Installation size of chassis rear panel   Wiring Hole

Align the holes on the bottom of the chassis with the screws on the

Installation Size