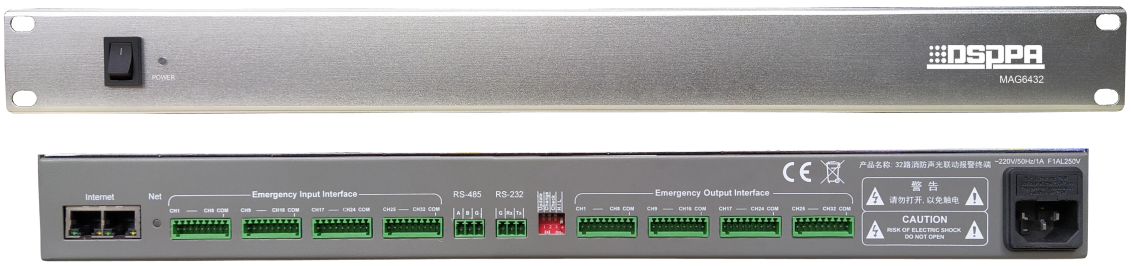
MAG6432

32-Channel Fire Alarm Audio-Visual Linkage Terminal



Description

The 32-channel fire alarm audio-visual linkage terminal is designed to interface a network public address system with a fire alarm control center. Upon receiving fire alarm trigger signals, the terminal automatically forces the corresponding broadcast zones into emergency mode, ensuring timely and effective evacuation announcements.

Featuring flexible zone assignment, line fault detection, dual Ethernet ports, and support for alternating playback between fire alarm devices and emergency voice broadcasts, the device provides a reliable and scalable solution for fire emergency broadcasting in large-scale facilities.

Features

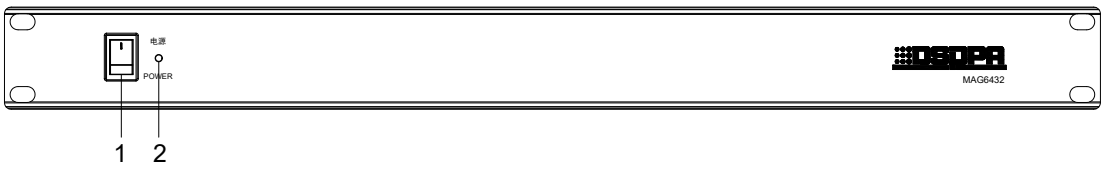
- Acts as an interface between the network public address system and the fire control center.
- Automatically activates the corresponding zones of the network public address system to enter emergency broadcast mode upon receiving fire alarm signals from the fire control center.
- Provides 32 fire alarm trigger channels; alarm zones for each channel can be freely combined via host configuration.
- Each alarm channel supports line fault detection for automatic system line diagnostics.
- Supports playback of warning signals (including sirens), prerecorded alarm messages, or real-time command voice. Fire emergency broadcast and fire alarm audio-visual devices can operate in alternating cycles with configurable timing.
- Supports non-coded audio-visual alarm devices.
- Multiple units can be connected within the same network to flexibly expand control zones.

Specifications

Model	MAG6432
Package Dimensions	555×360×120mm
Product Dimensions	483×273×44mm
Gross Weight	4kg
Net Weight	3.3kg

export@dsppa.com / www.dsppatech.com

Front Panel



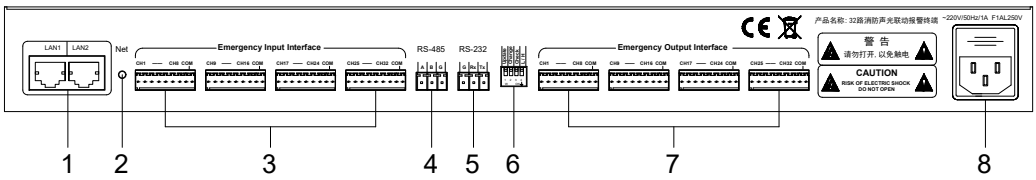
1. Power Switch

Press the "I" position to turn the power on; release the “I” position to turn the power off.

2. Power Indicator

When the power switch is turned on, the indicator lights up in orange.

Rear Panel



1. LAN Ports (LAN1 / LAN2)

The unit features a dual network port design, supporting daisy-chain connection for networking via a network switch.

2. Network Status Indicator

The indicator lights green when the terminal is offline. The indicator lights red when the terminal is successfully connected to the host via the network.

3. Alarm Signal Input Interfaces

CH1–CH32: Alarm signal input terminals for Channels 1 to 32; COM is the common terminal.

Note: The alarm signal input supports positive voltage signals of 5V–24V, or short-circuit signals with a resistance range of 0Ω–5kΩ.

4. RS-485 Communication Interface

5. RS-232 Communication Interface

6. DIP Switches

- L/H: Input logic selection. Switch set to H (up position): Level-trigger mode. Switch set to L (down position): Short-circuit trigger mode.
- Check: Line fault detection enable switch. This unit supports line fault detection for all 32 channels. Switching this to ON enables line detection. (For independent channel settings, refer to Section 4, Configuration of Fire Alarm Channel Line Detection.) To use the line detection function, channels with line detection enabled must be configured with a 47kΩ pull-down resistor box.
- Change: 32-channel alarm signal output selection. Switch set to ON: 32-channel alarm signal output is 24V. Switch set to OFF: 32-channel alarm signal output is 0V.
- Update: Reserved function.

7. Alarm Signal Output Interfaces

CH1–CH32: Alarm signal output terminals for Channels 1 to 32; COM is the common terminal.

8. Power Input

AC220V / 50Hz / 1A power input.