

MAG6801 1-Channel Network Audio Terminal



Features

- Module design, a network PA terminal with single-channel audio output.
- It adopts dual network redundancy design and network expansion port can be connected to other 100M network equipment.
- 10M / 100M adaptive network transmission
- It supports maximum 48 kHz sampling rate and 16bit MP3/ WAV/PCM decoding.
- Low power design.
- Built-in watch dog function
- Customizable network protocol interface.
- Full digital design, high fidelity, high voice transmission index.
- With override input, and override link output.
- DC 24V/1000MA output and short-circuit output under respective control.
- Local volume is controllable.

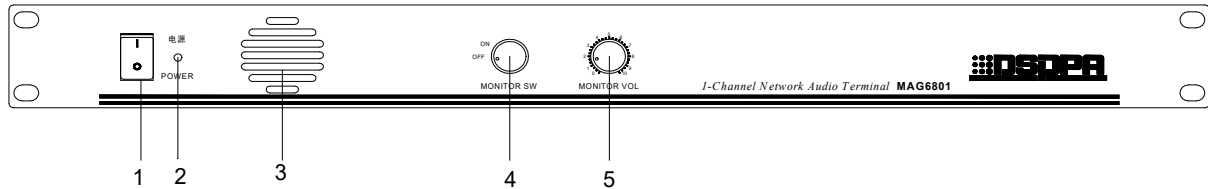
Description

MAG6801 network audio terminal is a TCP/IP based full digital analog-digital conversion signal processor, with dual network interface redundancy design and may be deployed anywhere with network access. This device allows output of audio signals from remote audio streaming media under intelligent control of the controller; the device provides one emergency audio input port for connection to emergency signals from fire control center and another emergency audio output port for connection to emergency amplifier; the device does not require any local operation and can work after properly configured via management software.

Specification

Item		Indicator	
EMC (EMC LINE IN)	CH1 Constant output	1V	
	Input Sensitivity	MAX:	250mV
		MIN:	4V
	Effective frequency range of gain limit (± 3 dB)		20Hz-20kHz
	SNR (low pass 30kHz)		≥ 70 dB
	THD (1kHz, 1/3 output voltage)		$\leq 0.1\%$
	EMC LINK Output		Equal to EMC LINE Input ($\pm 10\%$)
Input Dynamic range		≥ 26 dB	
Network decoding (Host MP3 Input)	CH1 Constant output	1V	
	Distortion (1kHz -10dB/MP3)		$\leq 0.2\%$
	Effective frequency range of gain limit (± 3 dB)		50Hz—20kHz
	SNR (low pass 30kHz)		≥ 70 dB
EMC output	COM-24V Output	24V (The total current is 1A)	
	COM-SC Output	Short Circuit ($< 1\Omega$)	
Built-in Monitor Power		1W	
Network		Dual network ports, 10M/100M	
Power Supply		AC 220V/50Hz	
Standby Power Consumption		5W	
Rated power consumption		7.5W	
Packing Size (L×W×H mm)		555×360×120	
Machine Size (L×W×H mm)		483×273×44	
Net Weight		3.3kg	
Gross Weight		4.0 kg	

Front Panel



1 Power switch

When button "I" is pressed down, the device is powered on, and when "O" button is pressed, the device is powered off.

2 Power /fault indicating LED (POWER)

The indicating LED is on when the device is powered on, and off when the device is powered off.

3 Built-in speaker

User may monitor the playing status of this device by switching the selection knob to designed channel.

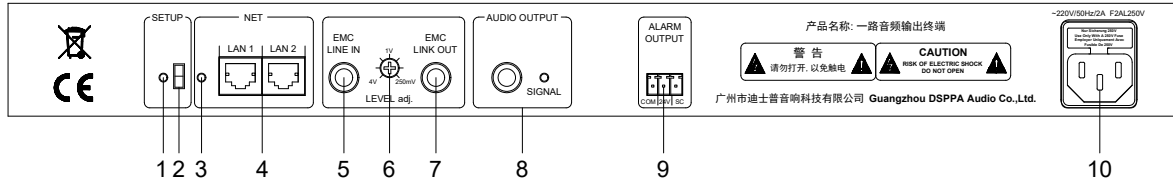
4 Monitor Switch (MONITOR SW)

The device is a single-channel audio output channel and the user can activate local monitoring by switching the dotted position on the knob to "ON" position and disable the monitoring function by switching the knob to "OFF" position.

5 Monitor volume adjusting knob (MONITOR VOL)

This knob is for adjustment of monitoring volume.

Rear Panel



1. Indicating LED setting

Channel corresponds to indicating LED on the panel which is on when the corresponding channel is in setting mode.

2. Setting switch

This switch is a software switch for setting of the device and button represents channel, so the user can set up the channel by operating the corresponding switch.

3. Network indicating LED

This LED is on when the device is connected to the controller via network.

4. Network interface

This device provides two network ports for connection to network switch(es).

5. Override input

Connect the source device (such as DVD player, etc.) to expand the audio source.

6. Input level Adjustment

Adjust the knob according to the level of the input audio signal.

7. Break-in link output

It is for connection to other terminals.

8. Audio output port

This interface is used to connect other amplifiers to expand the power of this terminal. When there is signal output, the indicator light will be on.

9. Warning output

1-2 COM-24V (Connected to the network host, CH1 output is controllable, 24V total current is 1A)

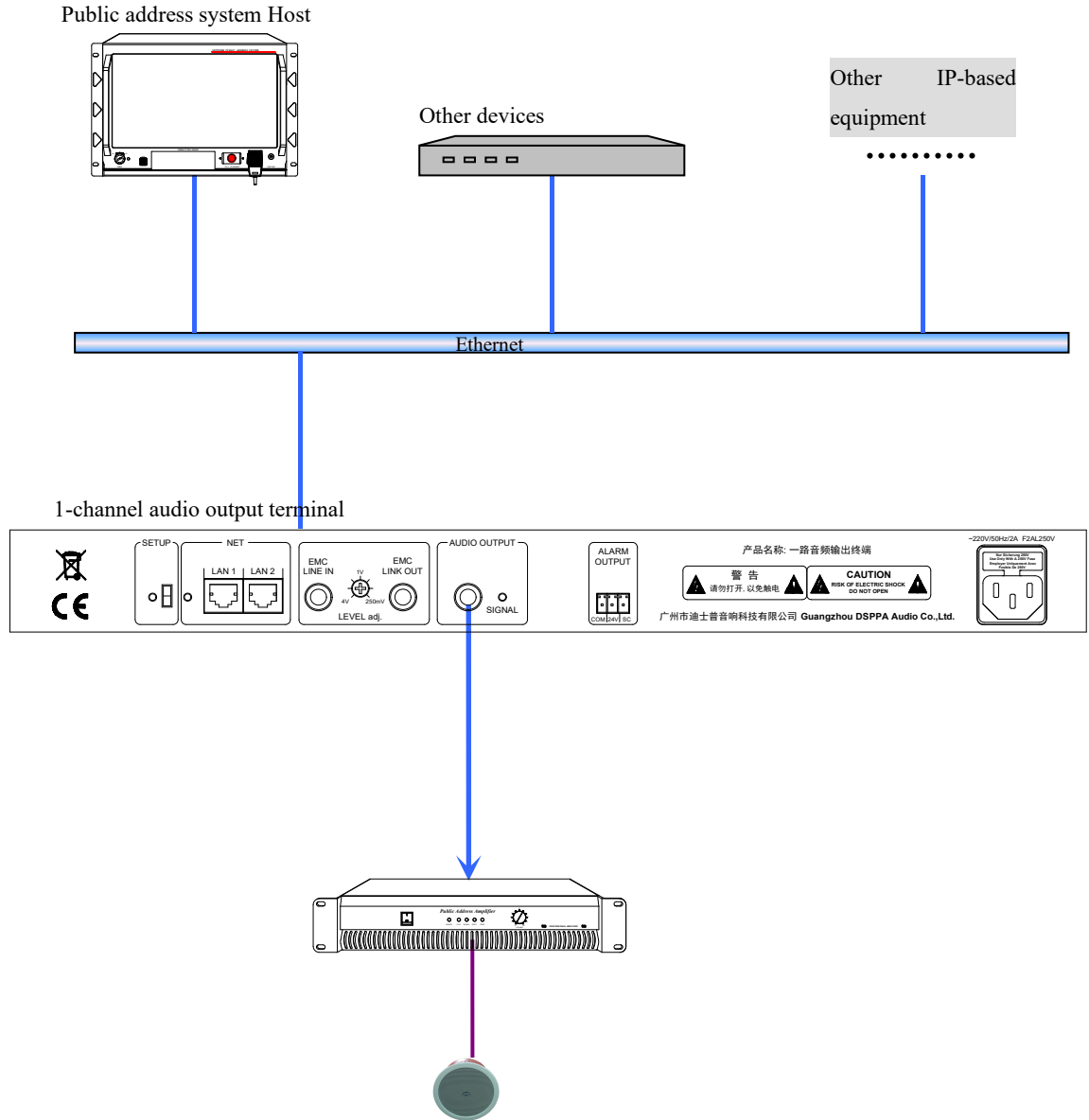
1-3 COM-SC (Connect to the network host, CH1 short-circuit output is controllable)

10. Power socket

The device provides an AC 220V power input port, please connect the power cable to the device before it is connected to any power source.

Connection Diagram

1. Application Diagram of the MAG6801 Terminal in the System



2. Connection Diagram of Local Ports on the MAG6801 Terminal

This device allows audio signal output through the audio channel is for connection to amplifiers and speakers to extend the power of this terminal. The customized design of this device can meet the needs for high power and multiple audio sources at terminal site. In such application with customized needs, the device can be connected to an external audio source or amplifier and the network audio streaming function provided by the device can meet public address needs in most cases.

The connection diagram of local ports is as shown below:

