MAG6801

1-Channel Network Audio Terminal

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.
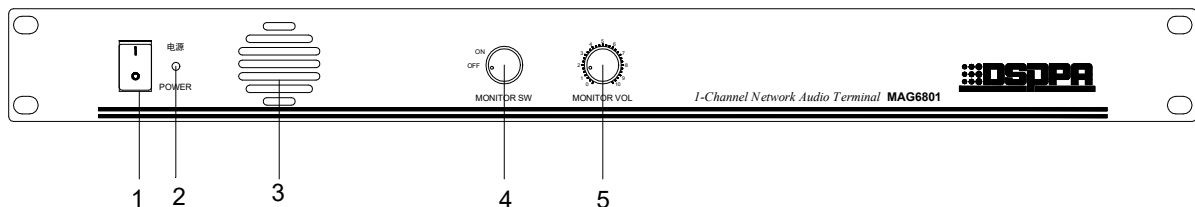
Features

- 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.

Specifications

Model	MAG6801		
EMC (EMC LINE IN)	CH1 Constant output		1V
	Input Sensitivity	MAX:	4V
		MIN:	250mV
	Effective frequency range of gain limit (±3dB)		20Hz-20kHz
	SNR (low pass 30kHz)		≥70dB
	THD (1kHz，1/3 output voltage)		≤0.1%
	EMC LINK Output		Equal to EMC LINE Input (±10%)
	Input Dynamic range		≥26dB
Network decoding (Host MP3 Input)	CH1 Constant output		1V
	Distortion (1kHz -10dB/MP3)		≤0.2%
	Effective frequency range of gain limit (±3dB)		50Hz—20kHz
	SNR (low pass 30kHz)		≥70dB
EMC output	COM-24V Output		24V (The total current is 1A)
	COM-SC Output		Short Circuit (＜1Ω)
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			4kg

Front / Rear 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.
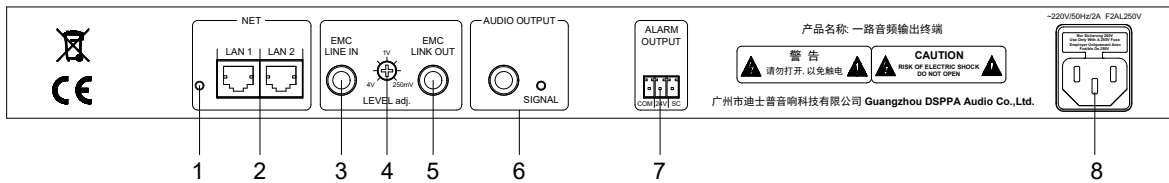
3 Built-in speaker

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.

1. Network indicating LED

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

2. Network interface

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

3. Override input

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

4. Input level Adjustment

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

5. Break-in link output

It is for connection to other terminals.

6. 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.

7. 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)

8. 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.