MAG6291

Converged Media Wall-Mounted Terminal

Description

The Converged Media Wall-Mounted Terminal is a fully digital network audio and video playback device based on the TCP/IP transmission protocol. It integrates high-precision audio and video decoding, multi-channel broadcast reception, and dynamic information release into one intelligent interactive unit. Designed for applications in education, transportation, corporate campuses, and other scenarios, it enables the transformation from "one-way broadcasting" to "converged media interaction". The device adopts a dual-network redundancy design and can be installed anywhere with network access. With intelligent server control, scheduled tasks enable the distribution of multimedia content (audio/video files or live streams), while dynamic electronic bulletin information can be synchronously displayed and managed across multiple terminals.
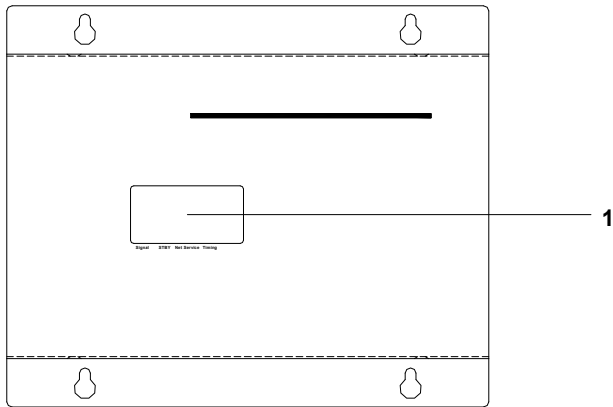
Features

- The embedded Linux OS is both stable and reliable, meeting the demands of uninterrupted operation for 7×24 hours.
- Based on ARM Cortex-A7 architecture with a 1.2GHz dual-core processor, ensuring excellent stability, continuity, and low latency during video playback.
- Wall-mounted installation design.
- Built-in industrial-grade special network audio decoding chip, can play background music from the system host, emergency paging, alarm signals, etc. The network programme source has more than 7 levels of priority level management function, which is divided into three major categories: background broadcasting, business broadcasting and emergency broadcasting;
- Audio decoding supports up to 48kHz sampling rate and 16-bit digital audio streams.
- Built-in 2×25W digital amplifier to meet sound reinforcement requirements.

- Integrated DSP digital audio processor.
- One USB port for local playback of music from a USB drive (video not supported).
- Equipped with a digital display to show operating status and real-time clock, allowing users to monitor device status at any time.
- Supports external infrared adjustment and configuration for easy device commissioning.
- Audio source priority management: supports both network and line input sources with adjustable priority levels and depth.
- One Micro SD card slot for storing offline scheduled task audio files.
- One local line input for expanding the device with additional program sources.
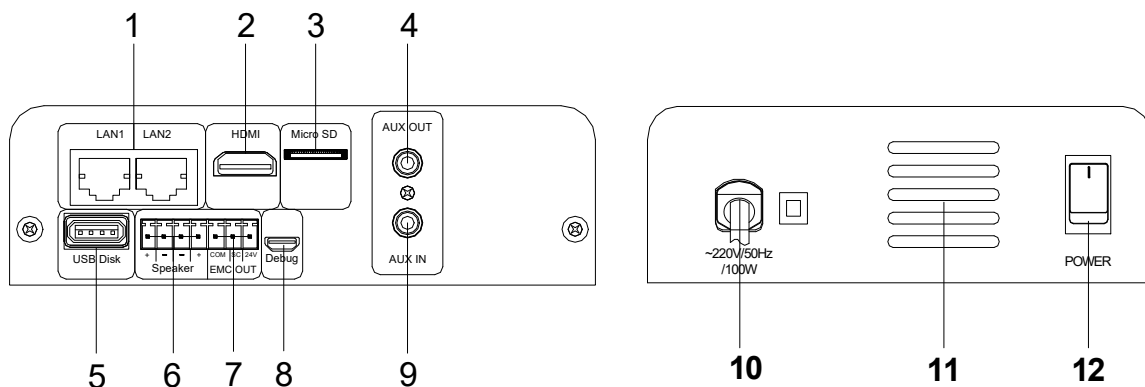
Specifications

Model		MAG6291
AUX IN	Maximum Distortion Output Voltage	≥14.15 V
	Input Sensitivity	300mV±50mV
	Distortion	≤1%
	Frequency Response	40Hz-16kHz
	SNR	≥71DB
AUX OUT	Line Output Level	1000mV±100mV
	Distortion	≤0.5%
	SNR	≥71DB
USB/SD /NET Play MP3 Music	Output Sensitivity	≥14.15 V
	Frequency Response	40Hz-16kHz
	Distortion	≤1%
	SNR	≥80dB
Overcurrent, Overheating, Overvoltage, Undervoltage Protection		Support
Package Size (L×W×H mm)		330× 270× 125
Product Size (L×W×H mm)		222× 195× 49.5
Net Weight		1.2kg
Gross Weight		2.0kg

Front / Rear Panel

1. Digital Display & Infrared Remote Control Receiver Window.

1. Network Interface (LAN1/LAN2)

This product is designed with dual network port to connect to network switches.

2. Data Exchange Interface (HDMI)

Used to connect an external display.

3. SD Card Interface (Micro SD)

Insert the SD card that stores the host timing point into this jack. When the terminal goes offline, the audio source is provided at the given timing point.

4 . Auxiliary Output Interface (AUX OUT)

Connect other amplifiers to expand the power of this terminal.

5. USB Interface (USB Disk)

Insert USB disk or mobile hard disk with MP3 program to give audio source to built-in MP3 player.

6. Built-in Amplifier Output Port   CH1 / CH2 (Speaker)

This machine has a built-in 2×25W digital power amplifier. Each output provides 25W and is designed for connection with 4Ω speakers.

7. EMC Override Playback Output

The signal output by this interface is controlled by the host.

8. Debugging Interface

9. Auxiliary Input Interface (AUX IN)

Connects to audio source devices (e.g., DVD players) to expand the program sources for the unit.

10. AC200V Power Cable

Provide working power for this machine.

11. Amplifier Heat Dissipation Vent

12. Power Switch

Press the "I" position to enable the power, and pop up the "I" position to disable the power.