MAG6310

Simplified Network Playback Terminal

Description

MAG6310 simplified network playback terminal is a network fully digital analog-to-digital signal processor based on the TCP/IP transmission protocol. With a dual network port design, it can be mounted anywhere the network can reach. The device can output remote audio data streams as audio signals, which is intelligently controlled by the host. The device has a built-in MP3 player, a USB interface and an SD card slot, which allows you to play MP3 programs on the device without playing network audio stream signals. It can also operate independently of the host to execute scheduled tasks. It is provided with an auxiliary audio input interface for connecting other audio source devices (such as a DVD), and an auxiliary audio output interface for connecting other amplifiers to expand power, as well as a microphone interface for local paging and other functions.

Features

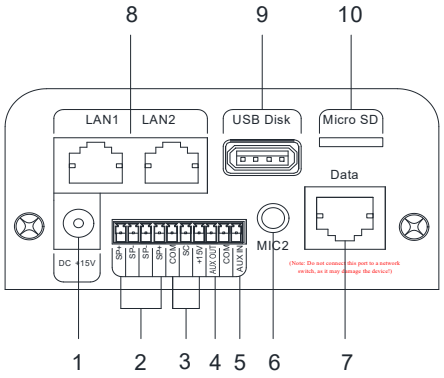
- With dual network interface design, it is possible to work across network segments.
- Can be mounted anywhere the network reaches.
- With MP3 decoding and playback function.
- Support the decoding of 16-bit digital audio streams with a maximum sampling rate of 48kHz.
- Built-in 2×15W digital amplifier, low power consumption setting.
- Can play the background music, emergency paging and alarm signals from the system host.
- With 1 auxiliary audio input, 1 auxiliary audio output, 1 microphone input, 1 EMC emergency output, and 1 short circuit output.
- The local output volume and local playing status are controllable.
- With digital display of operating status and information changes.
- Can be controlled by infrared remote controller.

Specifications

Model		MAG6310
AUX IN	Input Sensitivity	350mV
	Frequency Response	26Hz-18kHz
	Distortion	≤0.5%
	S/N Ratio	≥75dB
AUX OUT	Rated Output	1000mV
	Frequency Response	25Hz-20kHz
	Distortion	≤0.3%
	S/N Ratio	≥75dB
MIC IN	Input Sensitivity	3.5mV
	Frequency Response	30Hz-18kHz
	Distortion	≤0.5%
	S/N Ratio	≥65dB
USB/SD/NET MP3 Playback	Frequency Response	25Hz-20kHz
	Distortion	≤0.5%
	S/N Ratio	≥70dB
Supported SD Card Capacity		32GB
Supported USB Flash Disk Capacity		32GB
Power Supply		AC220V/50Hz
Display Screen		Digital Screen
Machine Dimensions (L×W×H mm)		132×140×50mm
Package Dimensions (L×W×H mm)		265×205×95mm
Gross Weight		2.3kg
Net Weight		0.6kg

Front / Rear Panel

Side Panel



1 Power Interface

Supply operating power for the unit.

2 Amplifier Output Connector (Speaker)

The unit has a built-in 2×15W digital amplifier, with 15W for each output port, connected to two constant resistance (4Ω) speakers respectively. The size range for the speaker connection wire is 20AWG-22AWG.

3 EMC Override Output

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

4 **Auxiliary Output Connector (AUX OUT)**

Connect other amplifier for expanding the power of the terminal.

5 **Auxiliary Input Connector (AUX IN)**

Connect audio source equipment (such as DVD player) for expanding the program source of the unit.

6 **MIC2 Interface**

Connect a microphone to achieve local paging or live speaking.

7 **DATA Device Expansion Interface**

The connection method with expansion devices is shown in Figure 3.3 connection diagram below. (Note: Do not connect this port to a network switch, as it may damage the device!)

8 **Network Interface (LAN1/LAN2)**

The device is designed with dual network ports and supports hand-in-hand (daisy-chaining) function and connection to a network switch.

9 **USB Interface (USB Disk)**

Insert a USB or connect a mobile hard disk with MP3 programs to provide program sources for the built-in MP3 player.

10 **SD Card Slot (Micro SD)**

Insert a SD card with timing points to provide audio sources for the timing points when the terminal is offline.

Remote Controller

The remote controller is shown on the right.

1. Mute Button

2. Number Buttons:

Used when setting the IP address and setting parameter values.

3. F5:

When inserting a USB flash drive, press the F5 button to play/stop.

4. Previous Song Button:

CH+ is used to select the previous program of the music played currently.

5. Volume -:

V- is used to decrease the output volume of the terminal.

6. F7: Play/Pause Button:

Press the button repeatedly to switch between on-demand and pause.

7. Enter Button:

In idle state, press the Enter button to adjust the output bass component (cycling from 0 to 15). In other states, press the Enter button to cancel.

8. Next Song Button:

CH- is used to select the next program of the music played currently.

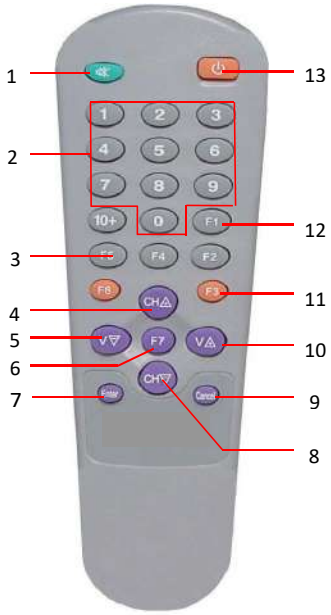


Figure (1)

9. Cancel Button:

In idle state, press the Cancel button to adjust the output treble component (cycling from 0 to 15). In other states, press the Cancel button to cancel.

10. Volume +:

V+ is used to increase the output volume of the terminal.

11. F3:

IP address checking/setting button. Press the button to enter the checking state, then press the CH+/CH- button to select the parameter to be checked, and press F3 to enter the setting state; after setting, press the Enter button to save changes, otherwise, the setting is invalid. Press the Cancel button to exit without saving.

12. F1: Volume Setting Button:

Select the sound source to be modified. After selecting, press V+ and V- to modify the volume. (AUXI indicates auxiliary input, MIC1 indicates microphone input, and MP3 indicates network sound source or USB flash drive)

13. Standby Button