

MAG505

5-Zone Digital Audio Matrix Controller with Remote Paging



Description

The MAG505 5-Zone Digital Audio Matrix Controller with Remote Paging is designed to distribute and manage up to five independent stereo output zones. Each output can freely select from four available audio sources, enabling flexible routing control for complex multi-room audio applications.

The system supports remote operation via RS232 control or wall-mounted touch panels, making it suitable for centralized or distributed audio management environments. It also integrates USB playback, Bluetooth streaming, and FM radio reception for enhanced audio source flexibility.

Designed with emergency priority functionality, the MAG505 includes dedicated priority input and external mute control for use in critical situations such as alarm or evacuation systems.

Features

- 5 independent stereo output channels for multi-zone audio routing.
- 3 stereo line-level input sources for flexible audio distribution.
- Microphone input with selectable phantom power support.
- RS232 communication interface for system integration and control.
- Built-in multimedia player supporting USB, Bluetooth, and FM radio.
- Extended distance control support via wall-mounted touch panels and call stations.
- RJ45 connectivity for wall-mounted touch panel integration.
- External mute contact input for emergency system override.
- Priority audio input for emergency or high-importance signals.
- Dedicated monitor output for audio signal checking.
- AUX input for additional external audio sources.
- Individual status indicators for each output channel.
- Local audio input support via touch panel stations.

Specifications

Model	MAG505
Power Supply	100-240VAC, 50/60Hz
Fuse	T1A1
Media Player	USB/Bluetooth
Bluetooth Version	V5.0
MIC Input Sensitivity	-41dBV
Line Input Sensitivity	-12.5dBV
Call Station Input Sensitivity	+4dBV
EMC Input	Sensitivity -10dBV
SN Ratio to MIC Input	65dB
SN Ratio to Line Input	73dB
Outputs	5 stereo zones
Output Impedance	600 ohm
THD+N	<0.1%@1KHz
Phantom Power	+24V DC
Frequency Response	±3dB 20Hz-20kHz
Dimensions	483×177×44mm
Weight	1.76kg

Front / Rear Panel

Front Panel

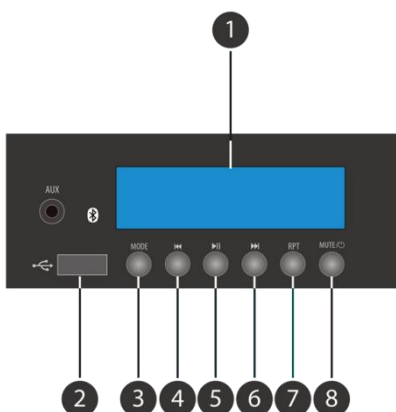


1. AUX input

2. Media player

3. Output status indication

Media Player



1. LCD screen

2. USB slot

3. Mode button

4. Backward / Set FM frequency and preset

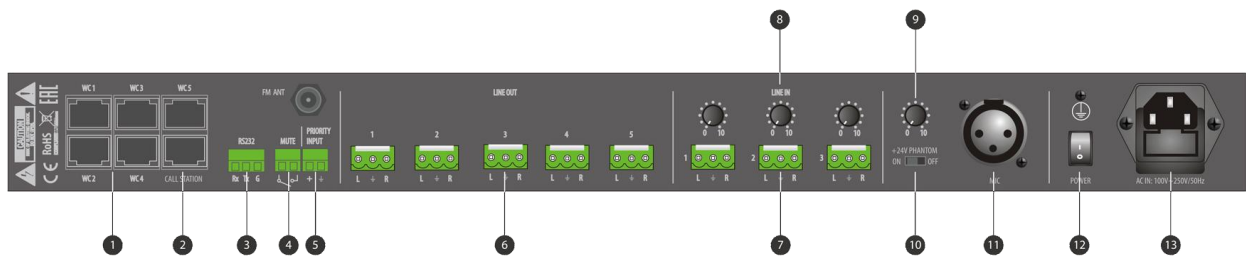
5. Play-pause / Radio frequency scanning mode

6. Forward / Set FM frequency and preset

7. Repeat button / Save FM preset

8. Mute - power button / Exit

Rear Panel



1. Connectors for MAG505S wall control
3. RS232 serial interface
5. Priority audio input
7. Stereo audio inputs
9. Microphone gain control
11. Microphone input
13. Main power connector

2. Connector for MAG505R page station
4. External mute
6. Stereo audio outputs
8. Inputs gain control
10. Phantom power switch
12. Power switch