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Donner MAMP7

Donner MAMP7 PA Amplifier User Manual

Model: MAMP7

1. INTRODUCTION

Thank you for purchasing the Donner MAMP7 PA Amplifier. This amplifier is designed to provide powerful and versatile audio amplification for various applications, including home parties, live performances, and DJ setups. It features multiple input options, Bluetooth 5.3 connectivity, and comprehensive EQ controls. Please read this manual thoroughly before operating the device to ensure proper usage and to maximize its performance and longevity.

2. SAFETY INSTRUCTIONS

- Do not expose this unit to rain or moisture to avoid fire or electric shock.
- Do not open the casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Ensure proper ventilation. Do not block ventilation openings.
- Connect the unit to a grounded AC power outlet.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only specified power cords and accessories.
- Disconnect the power cord during lightning storms or when unused for long periods.
- Do not overload power outlets or extension cords.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- Donner MAMP7 PA Amplifier
- Power Cable
- User Manual

4. PRODUCT FEATURES

- **Bluetooth 5.3 Connectivity:** Provides a stable wireless connection with a range of up to 59 ft (18 m) for streaming audio from smartphones, tablets, and computers.
- **High Power Output:** Delivers 100W x 2 RMS power in stereo mode or 225W x 1 in bridge mode.
- **Versatile Inputs:** Supports Bluetooth 5.3, USB (up to 64 GB), RCA, AUX IN, and XLR inputs.
- **Customizable EQ Control:** Features treble, midrange, and bass adjustment controls for precise sound shaping.
- **Multiple Output Modes:** Can be switched between Bridge, Parallel, and Stereo input modes.
- **Efficient Heat Dissipation:** Equipped with cooling holes and a quiet cooling fan for extended continuous operation.
- **Standard 2U Design:** Compatible with standard 2U rack mounts for professional installations.

5. CONTROLS AND CONNECTIONS

5.1 Front Panel



Image: Front view of the Donner MAMP7 PA Amplifier, highlighting the power switch, Aux input, USB input, input mode buttons, signal lights, volume knob, and treble/middle/bass EQ controls.

1. **Power Switch:** Turns the amplifier on or off.
2. **Aux Input:** 3.5mm stereo input for connecting external audio devices.
3. **USB Input:** For connecting USB storage devices (up to 64 GB) for audio playback.
4. **Input Mode Buttons:** Selects the audio input source (Aux, USB, Line, Bluetooth).
5. **Signal Light:** Indicates audio signal presence and status.
6. **Volume Knob:** Adjusts the overall output volume.
7. **Treble/Middle/Bass Controls:** Adjusts the high, mid, and low frequencies of the audio output.

5.2 Rear Panel



Image: Rear view of the Donner MAMP7 PA Amplifier, showing the Line Input/Output Jacks, RCA Input Jacks, Input Mode Switch, Subwoofer Switch, Channel R/L Outputs, Bridge Output, and AC Power Input.

1. **Line Input Jack (XLR):** Balanced XLR inputs for professional audio sources.
2. **Line Output Jack (XLR):** Balanced XLR outputs for connecting to other audio equipment.
3. **RCA Input Jack:** Unbalanced RCA inputs for consumer audio devices.
4. **Input Mode Switch:** Selects between Bridge, Parallel, or Stereo output modes.
5. **Subwoofer Switch:** Engages a low-pass filter for subwoofer output.
6. **Right Channel Output Jack:** Speaker output for the right channel.
7. **Bridge Output Jack:** Combined output for bridge mode operation.
8. **Left Channel Output Jack:** Speaker output for the left channel.
9. **AC Power Input:** Connects to the main power supply.

6. SETUP

6.1 Initial Connection

1. Ensure the amplifier is powered off and disconnected from the main power supply.
2. Connect your speakers to the appropriate output jacks on the rear panel (Channel L, Channel R, or Bridge). Ensure correct polarity (+ to + and - to -).
3. Connect your audio source (e.g., mixer, CD player, computer) to the desired input jacks (XLR, RCA, AUX IN, or USB) on the front or rear panel.
4. Connect the power cable to the AC Power Input on the rear panel and then to a grounded power outlet.

Multi-scenario Application

For house party, outdoor movie, live band show, church, etc.



Image: Diagram illustrating a typical PA system setup, showing connections from a mixer to the Donner MAMP7 amplifier, and then to two speakers.

6.2 Output Mode Selection

The MAMP7 supports Stereo, Bridge, and Parallel output modes. Select the appropriate mode using the switch on the rear panel based on your speaker configuration.

- **Stereo Mode:** For two-channel stereo sound. Connect speakers to Channel L and Channel R outputs.
- **Bridge Mode:** Combines the power of both channels into a single, more powerful output for a single speaker (e.g., a

subwoofer). Connect the speaker to the Bridge output.

- **Parallel Mode:** Sends the same mono signal to both channels.



Image: Close-up of the rear panel of the Donner MAMP7 amplifier, showing the switch for selecting Bridge, Parallel, or Stereo output modes.

7. OPERATION

7.1 Powering On/Off

1. Before powering on, ensure all volume controls are set to minimum.
2. Press the Power Switch on the front panel to turn the amplifier on. The Power indicator light will illuminate.
3. To power off, press the Power Switch again.

7.2 Input Selection

Use the Input Mode buttons on the front panel to cycle through available input sources: AUX, USB, LINE, and BLUE (Bluetooth).

7.3 Bluetooth Pairing

1. Select "BLUE" input mode using the Input Mode button. The Bluetooth indicator will flash, indicating it is in pairing mode.
2. On your device (smartphone, tablet), enable Bluetooth and search for available devices.
3. Select "Donner MAMP7" from the list. Once paired, the Bluetooth indicator will remain solid.
4. You can now stream audio wirelessly to the amplifier.

7.4 USB Playback

1. Insert a USB storage device (formatted with supported audio files, max 64 GB) into the USB Input port.
2. Select "USB" input mode. The amplifier will automatically begin playing audio files from the USB device.
3. Use the playback control buttons (Play/Pause, Next, Previous) on the front panel to manage playback.

7.5 EQ Adjustment

Use the Treble, Middle, and Bass knobs on the front panel to adjust the frequency response of the audio output. Rotate clockwise to increase and counter-clockwise to decrease the respective frequency band.

PA Beginners Guide



Image: Side view of the Donner MAMP7 amplifier, illustrating the thermal design and showing a graphic representation of EQ adjustment curves for treble, middle, and bass.

8. MAINTENANCE

- Clean the unit with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure ventilation openings are free from dust and debris.
- Store the amplifier in a cool, dry place when not in use for extended periods.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet faulty; Power switch off.	Check power cable connection; Test power outlet; Ensure power switch is on.
No sound output	Incorrect input selected; Speaker cables loose; Volume too low; Mute engaged.	Select correct input; Check speaker connections; Increase volume; Ensure not muted.
Bluetooth not pairing	Device too far; Amplifier not in pairing mode; Device already paired to another unit.	Move device closer; Ensure "BLUE" input is selected and flashing; Disconnect from other devices.
Distorted audio	Input signal too high; Volume too high; Speaker impedance mismatch.	Reduce input source volume; Lower amplifier volume; Verify speaker impedance compatibility.

10. SPECIFICATIONS

Feature	Detail
Brand	Donner
Model Number	MAMP7
Power Output (RMS)	100W x 2 (Stereo), 225W x 1 (Bridge)
Bluetooth Version	5.3
Wireless Range	Up to 59 ft / 18 m
Inputs	Bluetooth, USB, RCA, AUX IN (3.5mm), XLR
Output Modes	Stereo, Bridge, Parallel
EQ Controls	Treble, Midrange, Bass
Design	2U Rack Mountable
Item Weight	6.6 Kilograms

11. WARRANTY AND SUPPORT

This Donner MAMP7 PA Amplifier comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

For technical support, warranty claims, or service inquiries, please contact Donner customer support through their official website or the retailer where the product was purchased. Please have your purchase receipt and product model number (MAMP7) ready when contacting support.

