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Mr. Dj PROSUB18AMP

Mr. Dj PRO-SUB18AMP 18-Inch Self-Powered Subwoofer User Manual

Model: PROSUB18AMP

Introduction

Thank you for choosing the Mr. Dj PRO-SUB18AMP 18-inch Self-Powered Subwoofer. This manual provides essential information for the safe and efficient operation of your new audio equipment. Please read it thoroughly before use and retain it for future reference.
The PRO-SUB18AMP is a self-powered subwoofer designed to enhance low-frequency audio output. It features a built-in crossover, dual inputs, loop-through capabilities for satellite speakers, and a pole mount socket for versatile setup options.

Safety Information

WARNING: To prevent fire or electric shock, do not expose this appliance to rain or moisture. Do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified personnel.

- Ensure proper ventilation around the unit.
- Do not block ventilation openings.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only the power cord supplied or specified by the manufacturer.
- Disconnect the power cord during lightning storms or when unused for long periods.
- Do not operate the unit if it has been damaged in any way.
- This product is heavy (77 pounds). Exercise caution when lifting and transporting to prevent injury. It is recommended to use two people for lifting.

Product Overview

The Mr. Dj PRO-SUB18AMP is an 18-inch self-powered subwoofer designed for professional audio applications. Key features include:

- Built-in Amplifier for direct power.
- XLR & 6.35mm Jack Inputs for versatile connectivity.
- Balanced XLR inputs (stereo) with loop-through for connecting to satellite speakers.
- 1/4 inch speaker level mono input and Speakon Output.

- Integrated crossover for optimized sound distribution.
- Pole mount socket for mounting satellite speakers.



Figure 1: Front view of the PRO-SUB18AMP subwoofer, highlighting the 18-inch speaker and protective grille.



Figure 2: Rear panel of the PRO-SUB18AMP, detailing the various input/output ports and control knobs for audio adjustments.

Setup

1. **Placement:** Position the subwoofer on a stable, flat surface. Ensure adequate space for ventilation, especially around the rear panel. The unit is heavy (77 lbs), so consider its final placement carefully.
2. **Power Connection:** Connect the supplied power cord to the subwoofer's power input on the rear panel and then to a grounded AC outlet. Ensure the power switch is in the OFF position before connecting.
3. **Audio Input:**
    - For balanced stereo input, use XLR cables to connect your audio source (mixer, controller) to the LEFT and RIGHT XLR INPUTs on the rear panel.
    - Alternatively, use 6.35mm (1/4 inch) jack cables for input.
4. **Connecting Satellite Speakers (Loop-Through):**

- To connect satellite speakers, use XLR cables from the LEFT and RIGHT XLR OUTPUTs on the subwoofer's rear panel to the inputs of your powered satellite speakers.
- For passive satellite speakers, use the Speakon Output. Note that this is a mono output.

5. **Pole Mounting:** If using a pole to mount a satellite speaker above the subwoofer, insert the pole into the pole mount socket located on the top of the subwoofer. Ensure the pole and speaker are securely fastened.

Operating Instructions

1. **Power On:** After all connections are made, switch the power button on the rear panel to the ON position. The power indicator light should illuminate.
2. **Volume Adjustment:**
   - Start with the subwoofer's volume control (GAIN) set to its minimum position.
   - Play audio from your source at a moderate level.
   - Slowly increase the subwoofer's GAIN control until the desired bass level is achieved.
3. **Crossover Control:** The built-in crossover allows you to adjust the frequency at which the subwoofer handles bass. Experiment with this control to blend the subwoofer's output seamlessly with your main speakers.
4. **Phase Switch:** If your subwoofer sounds out of phase with your main speakers (e.g., weak bass), try flipping the phase switch (0°/180°) on the rear panel. Choose the setting that provides the strongest and clearest bass response.
5. **Monitoring Levels:** Pay attention to the signal indicator lights (if present) on the rear panel. Avoid consistently driving the subwoofer into clipping (red indicator) to prevent distortion and potential damage.
6. **Power Off:** Before disconnecting any cables or moving the unit, switch the power button to the OFF position.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Regularly check that the ventilation openings on the unit are clear of dust and debris to ensure proper cooling. The unit includes a built-in fan to maintain optimal operating temperature.
- **Storage:** If storing the subwoofer for an extended period, ensure it is kept in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically inspect all audio and power cables for any signs of wear or damage. Replace damaged cables immediately.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound from subwoofer.	Power not connected or switched on. Input cables not connected correctly. Volume (GAIN) control set too low. Audio source not sending signal.	Check power cord and switch. Verify all input cables are securely connected. Increase the GAIN control gradually. Check your audio source and its output settings.
Distorted or unclear bass.	Volume (GAIN) set too high (clipping). Incorrect phase setting. Poor quality input signal.	Reduce the GAIN control. Toggle the phase switch (0°/180°). Check your audio source for distortion.
Satellite speakers connected via loop-through have no sound.	Output cables not connected correctly. Satellite speakers not powered or volume too low.	Verify XLR output cables are securely connected to satellite speakers. Ensure satellite speakers are powered on and their volume is adjusted.
Control knobs feel loose or disconnected.	Internal component issue.	Discontinue use and contact customer support for service.

Specifications

Model Number	PROSUB18AMP
Speaker Type	Self-Powered Subwoofer
Woofer Diameter	18 inches
Maximum Output Power	6000 Watts (Peak)
Connectivity Technology	XLR, 6.35mm Jack
Audio Output Mode	Mono, Stereo (via loop-through)
Mounting Type	Tabletop Mount, Pole Mount Socket
Control Method	Touch (referring to knobs/switches)
Power Source	Corded Electric
Item Dimensions (D x W x H)	25"D x 30"W x 26"H
Item Weight	77 pounds



Figure 3: Dimensions of the PRO-SUB18AMP subwoofer.

Warranty Information

The Mr. Dj PRO-SUB18AMP subwoofer comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.
Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, service, or warranty inquiries, please contact Mr. Dj customer support. Refer to the contact information provided with your purchase or visit the official Mr. Dj website.
Manufacturer: Mr. Dj Inc.

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