

Mr. Dj PRODW600

Mr. Dj USA PRODW600 6-inch Subwoofer Replacement Speaker Instruction Manual

Model: PRODW600

1. INTRODUCTION

Thank you for choosing the Mr. Dj USA PRODW600 6-inch Subwoofer Replacement Speaker. This professional woofer driver is designed for high-quality audio reproduction in various applications, including musical instruments, DJ setups, car audio systems, and professional sound reinforcement. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your speaker.

2. SAFETY INFORMATION

- Always disconnect power from the amplifier or audio system before installing or servicing the speaker.
- Ensure correct impedance matching (8 Ohms) between the speaker and your amplifier to prevent damage to either component.
- Do not exceed the recommended power handling specifications (200 Watts Peak, 100 Watts Program, 50 Watts RMS) to avoid speaker damage.
- Handle the speaker with care. Avoid dropping or subjecting it to strong impacts.
- Keep the speaker away from moisture and extreme temperatures.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

- 1 x Mr. Dj USA PRODW600 6-inch Subwoofer Replacement Speaker

4. KEY FEATURES

- 6-inch Single Polypropylene cone woofer for robust bass response.
- Butyl rubber surround ensures high excursion and long-term durability.
- Stamped steel frame keeps components in perfect alignment for consistent performance.

- 12 oz. 80mm x 18mm Magnet Motor Structure for powerful sound.
- 2.5-inch High Temperature 4-Layer High SPL Voice Coil.

5. SETUP AND INSTALLATION

The PRODW600 is designed for flush mount installation as a replacement speaker or for custom audio projects. Follow these steps for proper setup:

1. **Preparation:** Ensure your audio system or enclosure is powered off and disconnected from any power source.
2. **Mounting Location:** Identify a suitable mounting location that accommodates the speaker's 6-inch diameter and provides adequate air volume for optimal bass response. The speaker is designed for flush mounting.
3. **Secure Mounting:** Carefully place the speaker into the mounting cutout. Use appropriate screws (not included) to secure the speaker firmly to the enclosure through the pre-drilled holes on the stamped steel frame. Do not overtighten.
4. **Wiring:** Connect the speaker terminals to your amplifier or crossover network. Observe correct polarity: connect the positive (+) terminal of the speaker to the positive output of your amplifier, and the negative (-) terminal of the speaker to the negative output. The PRODW600 has an impedance of 8 Ohms. Ensure your amplifier can safely drive an 8-Ohm load.
5. **Testing:** Once installed and wired, reconnect power to your audio system. Start with a low volume level and gradually increase it to test the speaker's functionality. Listen for clear audio reproduction without distortion.



Image 1: Front view of the PRODW600 speaker, showing the polypropylene cone and Mr. Dj logo on the dust cap.



Image 2: Rear view of the PRODW600 speaker, displaying the magnet structure and speaker terminals for wiring connections.

6. OPERATING INSTRUCTIONS

The PRODW600 is a passive subwoofer driver, meaning it requires an external amplifier to operate. Once properly installed and connected, its operation is controlled by the audio source and amplifier it is paired with.

- **Amplifier Settings:** Adjust your amplifier's gain, crossover frequency, and phase settings to integrate the subwoofer smoothly with your main speakers. For optimal performance, a low-pass filter should be used to send only low frequencies to the subwoofer.
- **Volume Control:** Control the overall volume through your amplifier or audio source. Avoid driving the speaker into distortion, which can cause damage.
- **Recommended Use:** This speaker is recommended for musical applications and can be integrated into systems compatible with gaming consoles, laptops, smartphones, tablets, and televisions, provided appropriate amplification and signal processing are used.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your PRODW600 speaker.

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cone and frame. Avoid using harsh chemicals or abrasive cleaners.

- **Environmental Conditions:** Protect the speaker from direct sunlight, excessive heat, cold, and moisture.
- **Inspection:** Periodically inspect the speaker for any signs of damage to the cone, surround, or terminals.

8. TROUBLESHOOTING

If you experience issues with your PRODW600 speaker, refer to the following common troubleshooting steps:

- **No Sound:**
 - Check all wiring connections for proper polarity and secure contact.
 - Ensure the amplifier is powered on and functioning correctly.
 - Verify the audio source is active and sending a signal.
- **Distorted Sound:**
 - Reduce the volume level from your amplifier or audio source.
 - Check amplifier gain settings; they may be set too high.
 - Ensure the speaker is not overdriven beyond its power handling capabilities.
 - Inspect the speaker cone and surround for any physical damage.
- **Weak Bass:**
 - Verify correct speaker polarity. Incorrect polarity can cause bass cancellation.
 - Check amplifier crossover settings; ensure low frequencies are being sent to the subwoofer.
 - Ensure the speaker is properly mounted in an appropriate enclosure.

9. SPECIFICATIONS

Model Name	PRODW600
Speaker Type	Woofer
Woofer Diameter	6 Inches
Power Handling (Peak)	200 Watts
Power Handling (Program)	100 Watts
Power Handling (RMS)	50 Watts
Impedance	8 Ohms
Frequency Response	20 Hz to 1000 Hz
Sensitivity	103 dB
Magnet Motor Structure	12 oz. (80mm x 18mm)
Voice Coil	2.5-inch High Temperature 4-Layer High SPL
Mounting Type	Flush Mount
Item Weight	6 Pounds
Product Dimensions	7 x 7 x 7 inches

10. WARRANTY AND SUPPORT

The Mr. Dj USA PRODW600 speaker comes with a Limited Warranty. Please refer to the warranty card included with your purchase for specific terms and conditions.

For technical support, service, or warranty inquiries, please contact Mr. Dj USA directly. Contact information can typically be found on the manufacturer's official website or product packaging.

Manufacturer: Mr. Dj USA

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question