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Rockville RPM45

Rockville RPM45 1800W Powered Soundboard Mixing Console

User Instruction Manual

INTRODUCTION

Thank you for purchasing the Rockville RPM45 1800W Powered Soundboard Mixing Console. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

IMPORTANT SAFETY INSTRUCTIONS

- To reduce the risk of electric shock, do not open the unit. There are no user-serviceable parts inside. Refer service to an authorized Rockville service center.
- Do not expose this unit to any type of moisture.
- Ensure proper ventilation. Do not block ventilation openings.
- Replace fuses only with the same type and rating.
- Always connect to a grounded power outlet.

PRODUCT OVERVIEW

The Rockville RPM45 is a powerful 4-channel mixer designed for versatile audio applications. It features a robust 1800W output, built-in effects, phantom power, and various input/output options for microphones, instruments, and external audio sources.



SETUP GUIDE

1. Connecting Speakers

The RPM45 features dual 1/4" speaker outputs (8-ohm). Ensure your speakers' impedance matches the mixer's output requirements. For optimal performance, connect speakers with 8-ohm impedance.

Video: Learn how to set up a subwoofer to your RPM45 mixer. This video demonstrates the connection process for expanding your audio system.

2. Connecting Microphones and Instruments

The mixer provides 4 balanced XLR inputs for microphones and 4 1/4" TRS inputs for instruments. Each channel has individual controls for level, high, low, and DSP/FX.

- **XLR Inputs:** Use XLR cables for microphones.
- **1/4" TRS Inputs:** Use 1/4" cables for instruments like guitars, keyboards, or line-level devices.
- **Phantom Power:** For condenser microphones, activate the +15V phantom power switch located on the main control panel.
- **PAD -20dB:** If the input signal is too hot (clipping), engage the PAD button on the respective channel to reduce the input level by 20dB.

Video: Detailed instructions on how to connect microphones and instruments to your RPM45 mixer, including proper cable usage and input selection.

OPERATING INSTRUCTIONS

1. Channel Controls

Each channel on the RPM45 features dedicated controls for precise audio shaping:

- **High/Low EQ:** Adjust the high and low frequencies for each channel to fine-tune the tone of your microphone or instrument.
- **DSP/FX:** Use this knob to apply internal digital effects or external effects to the channel.
- **Level:** Controls the overall output level of the channel.

2. Digital Signal Processor (DSP) Effects

The RPM45 includes a 32-bit dual engine DSP with 24 built-in effects, including various reverbs, delays, chorus, flanger, and more. Use the PROGRAM knob to select an effect and the PARAMETER knob to adjust its dry/wet ratio. The DSP TO MAIN knob controls the overall level of the selected effect sent to the main mix.

Video: A comprehensive walkthrough of the DSP effects available on the RPM45, demonstrating how to select and adjust various effects for your audio.

3. External FX Loop

For users who prefer external effects processors, the RPM45 features a 1/4" Effect loop input/output (Send/Return). Connect the Send output to your external effect's input and the external effect's output to the Return input on the mixer. Use the FX LOOP RTRN knob to control the level of the returned effect.

4. 7-Band Graphic Equalizer

The master section includes a 7-band graphic equalizer, allowing you to fine-tune the overall frequency response of your main mix. Adjust the sliders for specific frequency bands (63Hz, 160Hz, 400Hz, 1kHz, 2.5kHz, 6.3kHz,

16kHz) to shape your sound.

5. USB/Bluetooth Digital Controller

The built-in digital controller supports USB playback and Bluetooth connectivity. Use the control buttons (Play/Pause, Stop, Skip, Mode) to manage your audio. The MP3 LEVEL knob controls the volume of the USB/Bluetooth audio.

- **USB Input:** Plug in a USB thumb drive with MP3 files for direct playback.
- **Bluetooth:** Switch to Bluetooth mode using the MODE button. On your device (smartphone/tablet), search for "Rockville" and connect. Adjust volume via the MP3 LEVEL knob on the mixer and your device's volume controls.

6. RCA L/R AUX Input

Connect external audio players (CD players, record players, older MP3 players) using RCA cables to the RCA L/R AUX input. Control the volume with the AUX INPUT LEVEL knob.

7. PC Interface

The PC INTERFACE USB port allows you to connect the mixer to a computer for recording. Use a USB B to USB A cable (or USB B to USB C for newer devices) to connect. This enables recording of the main mix directly to your computer.

8. RCA L/R Rec Output

Use the RCA L/R Rec output to send the main mix signal to an external recording device or to expand your setup by connecting to other mixers, powered speakers, or subwoofers.

9. Phones Output

A 1/4" headphone output is available for monitoring the main mix. Adjust the headphone volume using the PHONES knob.

CONNECTIONS OVERVIEW



Figure 2: Detailed view of the RPM45's front control panel, showing all channels, EQ, effects, and digital media controls.



Figure 3: Rear view of the RPM45, highlighting power input, speaker outputs, and auxiliary connections.

SPECIFICATIONS

- **RMS Power Output:** 225W x 2 @ 8 Ohm (Parallel mono)
- **Program Power Output:** 450W x 2 @ 8 Ohm (Parallel mono)
- **Peak Power Output:** 1800W
- **Number of Channels:** 4
- **Connectivity Technology:** USB, Bluetooth
- **Power Source:** Corded Electric
- **Item Weight:** 18 pounds
- **Product Dimensions:** 5.75"D x 19.44"W x 9.5"H
- **Phantom Power:** +15V
- **Cooling System:** Fan Vent Cooling System

MAINTENANCE

To ensure the longevity and optimal performance of your RPM45 mixer, follow these maintenance guidelines:

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure proper ventilation by keeping the fan vents clear of obstructions.
- Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- Regularly check all cable connections for secure fit and signs of wear.

TROUBLESHOOTING

If you encounter any issues with your Rockville RPM45, please refer to the following common troubleshooting steps:

- **No Sound:** Check all power connections, speaker connections, and input levels for each channel and the master volume. Ensure the correct input source is selected on the digital controller.
- **Distorted Sound:** Reduce input levels (use PAD button if necessary) and master volume. Check speaker impedance.
- **Bluetooth Connectivity Issues:** Ensure the mixer is in Bluetooth mode and your device's Bluetooth is enabled. Try forgetting the device on your phone and re-pairing.
- **No Phantom Power:** Verify the +15V phantom power switch is engaged for condenser microphones.

For further assistance, please contact Rockville customer support.

WARRANTY AND SUPPORT

Rockville products are designed for reliability and performance. For any questions, comments, or concerns regarding your RPM45 mixer, please do not hesitate to contact our customer support team.

- **Phone Support:** 1-646-758-0144 (Open 24/7)
- **Email Support:** sales@rockvilleaudio.com