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› Peavey RX22 1-Inch Compression Driver User Manual

Peavey RX22

Peavey RX22 1-Inch Compression Driver User Manual

Model: RX22 | Brand: Peavey

INTRODUCTION

This manual provides essential information for the safe and effective use of your Peavey RX22 1-Inch Compression Driver. Please read it thoroughly before installation and operation to ensure optimal performance and longevity of the product.

SAFETY INFORMATION

- Always disconnect power from the amplifier and associated equipment before attempting any installation, wiring, or servicing of the compression driver.
- Ensure proper impedance matching between the compression driver (8 ohms) and your amplifier/crossover network. Mismatched impedance can lead to equipment damage.
- Avoid operating the driver at excessive volume levels or with distorted signals, as this can cause permanent damage to the diaphragm.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation to prevent injury.
- Keep the compression driver and all related components out of reach of children and pets.
- Do not expose the driver to moisture, extreme temperatures, or direct sunlight for prolonged periods.

PACKAGE CONTENTS

Upon unpacking, verify that the following item is included:

- 1 x Peavey RX22 1-Inch Compression Driver



Rear view of the Peavey RX22 1-Inch Compression Driver, showing the threaded throat and mounting points.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your compression driver. If you are unsure about any steps, consult a qualified audio technician.

1. Mounting the Driver:

Carefully attach the Peavey RX22 compression driver to a compatible horn or waveguide. Ensure that the mounting screws are tightened securely to create a firm, airtight seal. Avoid overtightening, which could damage the driver housing.

2. Wiring Connections:

Connect the driver's terminals to your external crossover network. Pay close attention to polarity: the positive (+) terminal on the driver should connect to the positive output of the crossover, and the negative (-) terminal to the negative output. Incorrect polarity can lead to phase cancellation and degraded sound quality.

3. Impedance Matching:

Confirm that the 8-ohm impedance of the RX22 driver is compatible with your amplifier and crossover

network. Using an incorrect impedance can cause the amplifier to overheat or the driver to perform poorly.



Image illustrating the dimensions of the Peavey RX22 1-Inch Compression Driver, showing a measurement of 5.4 inches (13 cm) across.

OPERATING INSTRUCTIONS

The Peavey RX22 is designed for high-frequency sound reproduction in professional audio systems. To operate it correctly:

- **Crossover Network:** The driver requires an external passive or active crossover network to filter out low frequencies. This protects the diaphragm from damage and ensures clear high-frequency output. Refer to your crossover's manual for proper settings.
- **Volume Control:** Always start with the amplifier's volume at its lowest setting. Gradually increase the volume to the desired listening level, carefully monitoring for any signs of distortion.
- **System Integration:** Ensure the compression driver is properly integrated into your overall sound system, considering phase alignment with other speakers for optimal sound imaging.

MAINTENANCE

To maintain the performance and extend the lifespan of your Peavey RX22 compression driver:

- **Regular Inspection:** Periodically check the driver for any visible physical damage, such as dents or cracks, and ensure all mounting screws and wiring connections remain secure.
- **Cleaning:** Keep the driver free from dust, dirt, and other debris. Use a soft, dry, lint-free cloth to gently wipe the exterior. Do not use liquid cleaners or solvents.
- **Environmental Conditions:** Store and operate the driver in a dry environment with stable temperatures. Avoid areas with high humidity or extreme temperature fluctuations.

Diaphragm Replacement (If Applicable)

If the diaphragm needs replacement due to damage or wear, refer to the following video for guidance. Ensure you use genuine Peavey replacement parts or compatible alternatives.

Your browser does not support the video tag.

Video: Demonstrating replacement of a diaphragm compatible with Peavey 22XT, RX22, 22A, 22T series drivers. This video is provided by HUMARH.

Your browser does not support the video tag.

Video: Guide for replacing a diaphragm compatible with Peavey 22XT, RX22, 22A, 22T, 2200 series drivers. This video is provided by TATE SOUND.

TROUBLESHOOTING

If you encounter issues with your Peavey RX22 compression driver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound Output	Loose wiring connections Amplifier not powered on Incorrect crossover settings Faulty signal source	Check and secure all audio cables and terminals. Ensure the amplifier is on and receiving power. Verify crossover frequency and level settings. Test with a known working signal source.
Distorted Sound	Input signal too high (overdriving) Impedance mismatch Damaged diaphragm	Reduce the input level to the amplifier or driver. Confirm correct impedance matching (8 ohms). Inspect the diaphragm for tears or creases; replace if damaged.
Intermittent Sound	Loose cable connections Faulty cable Internal driver issue	Check and tighten all connections. Test with a different audio cable. If issues persist, contact Peavey support.

SPECIFICATIONS

Model Number	RX22
Throat Size	1 inch
Power Handling (RMS)	200 watts (with appropriate crossover)
Nominal Impedance	8 ohms
Item Weight	5.95 pounds (approx. 2.7 kg)
Product Dimensions	8.3 x 8.3 x 4.8 inches (approx. 21.1 x 21.1 x 12.2 cm)
Country of Origin	CHINA

WARRANTY INFORMATION

The Peavey RX22 1-Inch Compression Driver is covered by a limited manufacturer's warranty. For specific details regarding warranty duration, coverage, and terms, please refer to the official Peavey website or the warranty card included with your purchase. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, service inquiries, or to purchase genuine replacement parts, please contact Peavey customer support or visit their official website:

- Peavey Official Website: www.peavey.com

- **Customer Service:** Refer to the website for contact numbers and email support.

When contacting support, please have your product model (RX22) and purchase information readily available.