

NVX VPRO65

NVX VPRO65 6.5" Premium Loudspeaker Instruction Manual

Model: VPRO65 | Brand: NVX

This manual provides essential information for the installation, operation, and maintenance of your NVX VPRO65 loudspeaker.

1. INTRODUCTION

Thank you for choosing the NVX VPRO65 6.5" Premium Loudspeaker. This product is engineered to deliver high-performance audio in various applications, including cars, trucks, and motorcycles. Please read this manual thoroughly before installation and operation to ensure proper use and maximize the lifespan of your speaker.

Safety Information

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring is properly insulated to prevent short circuits.
- Mount the speaker securely to prevent movement during vehicle operation.
- Avoid exposing the speaker to extreme temperatures or direct sunlight for prolonged periods.
- Do not operate the speaker beyond its rated power handling to prevent damage.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- NVX VPRO65 6.5" Premium Loudspeaker (1 unit)
- Speaker Grille (detached)

3. FEATURES

- High Power Handling:** 450W peak power (225W RMS) for robust audio performance.

- **Water-Resistant Construction:** Treated paper cone and cloth speaker surround for durability in challenging environments.
- **Aluminum Dome Bullet Tweeter:** 1" tweeter for enhanced high-frequency response and clear treble.
- **High-Temperature Voice Coil:** 1.5" voice coil with Kapton former designed for high power output and heat resistance.
- **Wide Frequency Range:** 70 Hz to 20,000 Hz for a broad spectrum of sound.
- **Efficient Power Use:** 4-ohm impedance and 97 dB sensitivity for high output with less distortion.
- **CEA-2031 Compliant:** Meets industry standards for power handling, ensuring reliable performance.
- **Easy Installation:** Designed for straightforward integration into various applications.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal sound quality and speaker longevity. If you are unsure about any steps, consult a professional audio installer.

Mounting

The NVX VPRO65 speaker features a top-mount depth of 2.76 inches (70.1 mm) and a cutout dimension of 5.70 inches (144.8 mm). Ensure adequate clearance behind the mounting surface for the speaker's magnet and wiring.



Figure 4.1: Front view of the NVX VPRO65 6.5-inch Premium Loudspeaker.



Figure 4.2: NVX VPRO65 speaker with the included protective grille.

Wiring

The VPRO65 has a 4-ohm impedance. Connect the speaker to an amplifier or head unit capable of safely driving a 4-ohm load. Observe correct polarity (+ to + and - to -) to ensure proper phase and sound reproduction.



Figure 4.3: Side view illustrating the capacitor and wiring terminals.



Figure 4.4: Rear view displaying the magnet structure and product label.

Video: Product Overview

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Video 4.1: An overview of the NVX VPRO Premium Loudspeaker series, highlighting key features and design elements.

5. OPERATING INSTRUCTIONS

Once installed, the NVX VPRO65 loudspeaker is ready for operation. Ensure your audio source (head unit, amplifier) is set to a reasonable volume level before powering on. Gradually increase the volume to your desired listening level. The speaker is designed to handle up to 225W RMS, providing clear and powerful sound reproduction across its frequency range of 70 Hz to 20,000 Hz.



Figure 5.1: Close-up of the 1-inch aluminum dome bullet tweeter.

6. MAINTENANCE

The NVX VPRO65 features water-resistant construction, making it suitable for various environments. However, it is not designed for submersion. To maintain optimal performance and appearance:

- Regularly wipe the speaker grille and cone with a soft, dry cloth to remove dust and debris.
- Avoid using harsh chemicals or abrasive cleaners, which can damage the speaker materials.
- If the speaker gets wet, allow it to air dry completely before prolonged use.
- Inspect wiring connections periodically to ensure they remain secure.

7. TROUBLESHOOTING

If you encounter issues with your NVX VPRO65 loudspeaker, consider the following common troubleshooting steps:

- **No Sound:** Check all wiring connections from the head unit/amplifier to the speaker. Ensure the amplifier is powered on and functioning correctly. Verify the audio source is playing.
- **Distorted Sound:** Reduce the volume level. Check for proper gain settings on your amplifier. Ensure the speaker is not overdriven. Inspect for any physical damage to the speaker cone or surround.
- **Intermittent Sound:** Check for loose wiring connections. Ensure the speaker wires are not pinched or damaged.
- **One Speaker Not Working:** Swap the non-working speaker with a known good speaker (if available) to determine if the issue is with the speaker itself, the wiring, or the amplifier channel.

If problems persist after performing these checks, contact NVX customer support or a qualified audio technician.

8. SPECIFICATIONS

Feature	Specification
Model Name	VPRO65
Speaker Type	Coaxial
Speaker Size	6.5 Inches
Peak Power Handling	450 Watts
RMS Power Handling	225 Watts
Impedance	4 Ohm
Sensitivity	97 dB
Frequency Response	70 Hz - 20,000 Hz
Voice Coil Size	1.5 Inches
Tweeter Type	1" Aluminum Dome Bullet Tweeter
Mounting Type	Door Mount
Top-Mount Depth	2.76 Inches (70.1 mm)
Cutout Dimension	5.70 Inches (144.8 mm)
Material	Paper, Cloth, Aluminum
Item Weight	5.24 pounds (2.38 Kilograms)
UPC	810021846279

9. WARRANTY AND SUPPORT

The NVX VPRO65 loudspeaker comes with a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official NVX website. For technical support or further assistance, you can visit the [NVX Store on Amazon](#) or contact NVX customer service

directly.