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› [EchoMaster](#) /

› [EchoMaster PMM-43-NV2-PL 4.3 inch Mirror Monitor User Manual for Nissan NV200 and Chevy City Express](#)

EchoMaster PMM-43-NV2-PL

EchoMaster PMM-43-NV2-PL 4.3 inch Mirror Monitor User Manual

MODEL: PMM-43-NV2-PL

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the EchoMaster PMM-43-NV2-PL 4.3 inch Mirror Monitor. This device is specifically designed to enhance rear visibility and assist with parking maneuvers in Nissan NV200 (2014-2016) and Chevy City Express vehicles. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Safety Information

- Always ensure the vehicle is turned off and the parking brake is engaged before beginning any installation.
- Professional installation is recommended to prevent damage to the vehicle's electrical system or the product.
- Do not obstruct the driver's view or interfere with the operation of vehicle safety features.
- Ensure all wiring is properly routed and secured to prevent interference with vehicle controls or potential hazards.
- This device is an aid and should not replace careful driving and observation.

Package Contents

Verify that all items are present in the package:

- EchoMaster PMM-43-NV2-PL Mirror Monitor
- Remote Control
- Wiring Harness
- Instruction Manual (this document)

Setup and Installation

Installation of the mirror monitor involves replacing the existing rearview mirror and connecting to the vehicle's electrical system. Due to the complexity, professional installation is highly recommended.

1. **Mirror Mounting:** Carefully remove the factory rearview mirror. Mount the EchoMaster PMM-43-NV2-PL

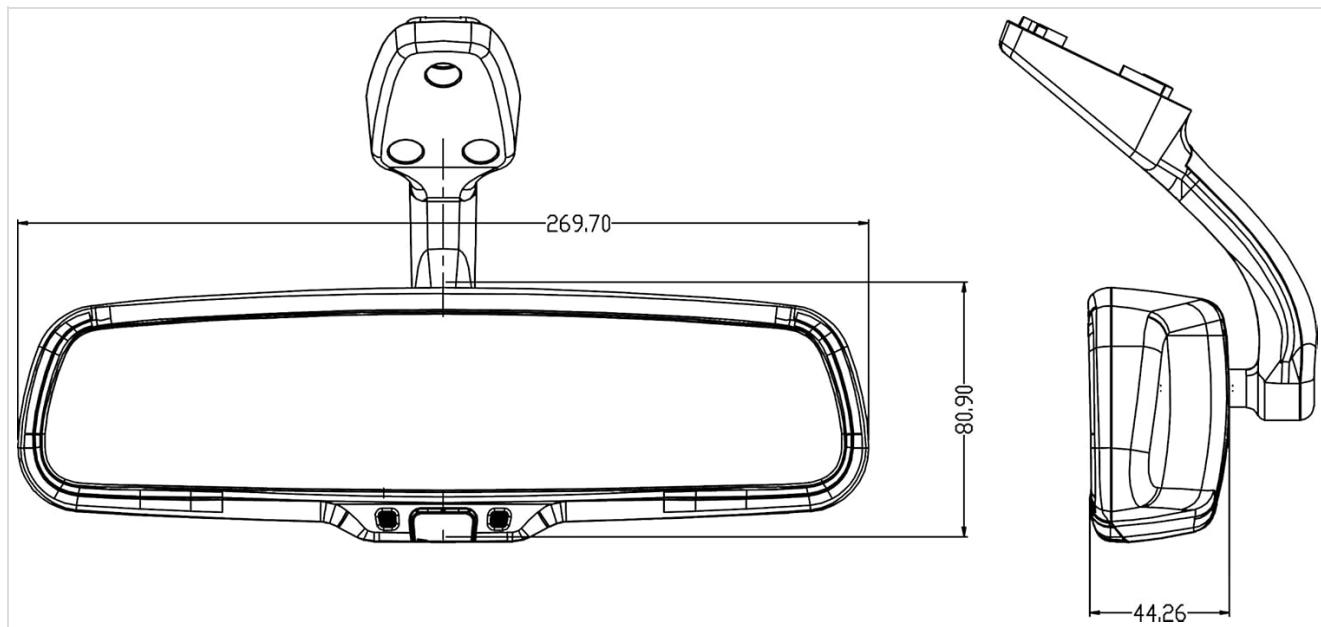
mirror monitor onto the existing mirror mount. Ensure it is securely fastened and does not obstruct the windshield or driver's view.

2. Wiring Connections:

- Connect the power wire (typically red) to a switched 12V power source.
- Connect the ground wire (typically black) to a suitable chassis ground point.
- Connect the reverse trigger wire (color may vary, consult vehicle wiring diagram) to the vehicle's reverse light circuit. This enables automatic activation when the vehicle is shifted into reverse.
- Connect video input cables from your chosen cameras (front, rear, or side) to the dual video input ports on the monitor.

3. **Cable Management:** Route all cables neatly and securely, away from moving parts and heat sources. Use cable ties or clips to prevent loose wiring.

4. **Testing:** After installation, test all functions, including automatic activation in reverse, video input switching, and parking line display.



This diagram illustrates the physical dimensions and mounting structure of the mirror monitor, crucial for proper installation and fitment in compatible vehicles.

Operating Instructions

The EchoMaster PMM-43-NV2-PL mirror monitor is designed for straightforward operation.

- **Automatic Activation:** When the vehicle is shifted into reverse, the monitor will automatically activate and display the video feed from the connected rearview camera.
- **Dual Video Inputs:** The monitor supports two video inputs. This allows for connection of multiple cameras (e.g., front and rear, or two side cameras). You can switch between video inputs using the remote control or integrated buttons on the monitor.
- **Adjustable Parking Lines:** The monitor displays adjustable parking guidelines on the screen when the reverse camera is active. These lines assist in judging distance and trajectory for precise parking. Adjustments to the parking lines (if available) can typically be made via the remote control or on-screen menu.
- **Remote Control:** Use the provided remote control to access menu options, switch video inputs, and adjust settings such as brightness, contrast, and parking line position.
- **OEM Style Mirror Dimming:** The mirror features an OEM-style dimming function to reduce glare from headlights behind you, enhancing driving comfort.



This image demonstrates the mirror monitor in operation, showing the integrated display with a camera view and overlaid parking guidelines, which assist in precise vehicle maneuvering.

Maintenance

To ensure the longevity and optimal performance of your mirror monitor, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the mirror and screen surfaces. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or screen.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from damage. Verify that the mirror remains firmly mounted.
- **Environmental Conditions:** Avoid exposing the monitor to extreme temperatures or direct sunlight for prolonged periods when the vehicle is parked, as this can affect performance and lifespan.

Troubleshooting

If you encounter issues with your EchoMaster PMM-43-NV2-PL mirror monitor, refer to the following common problems and solutions:

- **Monitor Not Turning On:**
 - Check power and ground connections for proper wiring and secure contact.
 - Verify the vehicle's ignition is on (if connected to a switched power source).
 - Ensure the reverse trigger wire is correctly connected and receiving a signal when in reverse.
- **No Video Signal:**
 - Confirm that the camera(s) are properly connected to the monitor's video input ports.
 - Check the camera's power supply and ground connections.
 - Ensure the correct video input is selected on the monitor (if applicable).
- **Parking Lines Not Visible or Incorrect:**
 - Verify that the camera connected supports parking lines or that the monitor's parking line feature is enabled.
 - Adjust parking line settings via the remote control or monitor menu.
 - Ensure the camera is properly aligned and mounted.
- **Remote Control Not Working:**
 - Check and replace the battery in the remote control.
 - Ensure there are no obstructions between the remote and the monitor's IR receiver.

If these steps do not resolve the issue, contact EchoMaster customer support for further assistance.

Specifications

Feature	Specification
Brand	EchoMaster
Model	PMM-43-NV2-PL
Screen Size	4.3 Inches
Control Method	Touch (also includes Remote Control)
Real Angle of View	140 Degrees
Vehicle Service Type	Car (Designed for Nissan NV200 and Chevy City Express vans)
Auto Part Position	Front (Rearview Mirror)
UPC	609098824064

Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official EchoMaster website. Keep your proof of purchase for warranty claims. For any issues not covered in this manual, please contact EchoMaster customer service directly.