NEOLINE G-Tech X63

Neoline G-Tech X63 Dash Cam User Manual

Model: G-Tech X63 | Brand: NEOLINE

1. INTRODUCTION

The Neoline G-Tech X63 is an advanced high-definition video recorder designed for vehicles. It features a dual-camera system integrated into a single housing, providing comprehensive coverage. The front camera offers a wide-angle 2K QHD resolution, while an interior Full HD camera monitors the cabin. Additionally, a separate Full HD rear camera captures events behind your vehicle. This device is equipped with a supercapacitor, which provides enhanced durability and more reliable operation across a wider range of temperatures compared to traditional batteries.

Key features include a wide viewing angle, front, interior, and rear cameras, high-contrast video recording, weather protection, a built-in GPS module, and 2K QHD resolution for the front camera.

2. PACKAGE CONTENTS

Please check the box for the following items:

- Neoline G-Tech X63 Dash Cam
- Rear Camera
- 3M Adhesive Mount
- Power Adapter (Car Charger)
- Micro USB Cable
- User Manual
- Warranty Certificate

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your Neoline G-Tech X63 dash cam.

Figure 3.1: Front view of the Neoline G-Tech X63 dash cam, showing the main lens and Neoline branding.

Figure 3.2: Rear view of the dash cam, displaying the screen and control buttons.

Figure 3.3: The compact rear camera module for external mounting.

Figure 3.4: Top view showing the mounting slot and various ports for connections.

4. SETUP AND INSTALLATION

4.1. Inserting the Memory Card

Before first use, insert a high-speed microSD card (Class 10 or higher, up to 128GB recommended) into the designated slot on the dash cam. Ensure the card is inserted correctly until it clicks into place. Format the card within the dash cam settings for optimal performance.

4.2. Mounting the Dash Cam

1. Clean the windshield surface where you intend to mount the dash cam. Ensure it is dry and free of dust.
2. Attach the 3M adhesive mount to the dash cam.
3. Peel off the protective film from the 3M adhesive and firmly press the mount onto the chosen spot on your windshield, ideally behind the rearview mirror for an unobstructed view. Hold for at least 30 seconds.
4. Adjust the camera lens to ensure it captures the road ahead clearly, with the horizon in the middle of the frame.

Figure 4.1: Example of the dash cam mounted on the vehicle's windshield.

4.3. Connecting the Rear Camera

Connect the rear camera cable to the main dash cam unit. Route the cable neatly along the vehicle's headliner and pillars to the rear of the vehicle. Mount the rear camera on the rear windshield or license plate area, ensuring a clear view. Connect the red wire of the rear camera to the reverse light power source if you wish to enable parking assistance features.

Figure 4.2: The rear camera installed, providing a view of the area behind the vehicle.

4.4. Power Connection

Plug the included power adapter into your vehicle's 12V power outlet (cigarette lighter socket). Connect the other end of the cable to the dash cam's power input. The dash cam will automatically power on and begin recording when the vehicle's ignition is turned on, and power off when the ignition is turned off.

5. OPERATING INSTRUCTIONS

5.1. Basic Recording

Once powered on, the dash cam will automatically start continuous loop recording. Video files are saved in segments (e.g., 1, 3, or 5 minutes) to the microSD card. When the card is full, the oldest unprotected files will be overwritten by new recordings.

5.2. G-Sensor (Emergency Recording)

The built-in G-sensor detects sudden impacts or rapid acceleration/deceleration. When triggered, the current video segment is automatically locked and protected from being overwritten, ensuring critical footage is saved. The sensitivity of the G-sensor can be adjusted in the settings menu.

5.3. Parking Mode

The Neoline G-Tech X63 supports parking mode. When enabled and the vehicle is parked, the dash cam can detect motion or impacts and automatically start recording. This feature requires a continuous power supply (e.g., hardwiring kit, sold separately) to function when the vehicle is off.

5.4. GPS Functionality

The integrated GPS module records your vehicle's speed and location data, which can be viewed during video playback using dedicated software. This provides additional context for recorded events.

5.5. Menu Navigation

Use the buttons located on the device (refer to Figure 3.2 and 5.1 for button layout) to navigate through the menu options. The 'OK' button typically confirms selections, while arrow buttons navigate. The 'M' button often switches between recording, playback, and settings modes.

Figure 5.1: Bottom view showing the control buttons for menu navigation and operation.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the dash cam body and lenses. Do not use abrasive cleaners or solvents.
- **Memory Card:** Regularly format your microSD card (at least once a month) within the dash cam to maintain optimal recording performance and prevent data corruption. Back up any important files before formatting.
- **Firmware Updates:** Check the official Neoline website periodically for firmware updates. Updating the firmware can improve performance, add new features, or fix bugs. Follow the instructions provided with the firmware update carefully.
- **Temperature:** Avoid exposing the dash cam to extreme temperatures for extended periods. While the supercapacitor offers better temperature tolerance, prolonged exposure to direct sunlight in a hot car can still affect its lifespan.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty power adapter; loose connection.	Check power connection to the vehicle's 12V outlet. Ensure the power adapter is working. Try a different power source if available.
Recording stops or freezes.	Memory card full; slow memory card; memory card error.	Format the microSD card. Use a high-speed (Class 10 or U3) microSD card. Replace the memory card if errors persist.
Video quality is poor.	Dirty lens; protective film still on lens; incorrect resolution settings.	Clean the camera lens. Remove any protective film. Check video resolution settings in the menu and set to 2K QHD for front camera.
GPS not working.	Poor satellite signal; GPS module obstruction.	Ensure the dash cam has a clear view of the sky. Avoid mounting near metallic objects that could interfere with the signal.

Problem	Possible Cause	Solution
Buttons are unresponsive.	Temporary software glitch.	Perform a soft reset (if available, check manual for specific instructions) or disconnect and reconnect power.

8. SPECIFICATIONS

- **Model:** G-Tech X63
- **Manufacturer:** Neoline
- **Front Camera Resolution:** 2K QHD (1440p)
- **Interior Camera Resolution:** Full HD (1080p)
- **Rear Camera Resolution:** Full HD (1080p)
- **Display Size:** 3 inches
- **Power Source:** Supercapacitor
- **GPS Module:** Integrated
- **G-Sensor:** Yes
- **Loop Recording:** Yes
- **Parking Mode:** Yes (requires continuous power)
- **Dimensions (L x W x H):** 10.5 x 3.5 x 3.5 cm (approx. 4.13 x 1.38 x 1.38 inches)
- **Weight:** 100 grams (approx. 0.22 lbs)
- **Mounting Type:** Windshield Mount (3M adhesive)
- **Color:** Black

9. WARRANTY AND SUPPORT

The Neoline G-Tech X63 comes with a warranty certificate included in the package. Please refer to this document for specific warranty terms and conditions, including coverage period and claim procedures. For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact Neoline customer support through their official website or the contact information provided on your warranty certificate.
Keep your purchase receipt and warranty certificate in a safe place as proof of purchase may be required for warranty claims.