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AUTO-VOX X2

AUTO-VOX X2 Mirror Dash Cam User Manual

1. INTRODUCTION TO THE AUTO-VOX X2 MIRROR DASH CAM

The AUTO-VOX X2 is a sophisticated mirror dash cam designed to enhance driving safety and provide comprehensive recording capabilities. It features a 9.88-inch full touch streaming media display, offering a clear, real-time view of traffic conditions. The system includes both a front camera for forward recording and a 720P AHD waterproof backup camera for reverse assistance.

Key functionalities include G-Sensor for collision detection, loop recording to manage storage efficiently, parking monitoring for 24-hour surveillance, Lane Departure Warning System (LDWS), and GPS tracking for route and speed data.



Image 1.1: Overview of AUTO-VOX X2 features, including parking monitoring, dual views, night vision, emergency lock, touch screen, loop recording, GPS tracking, and LDWS.

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Video 1.1: An official AUTO-VOX video demonstrating the features and functionality of the X2 9.88" Rear View Mirror Dash Cam.

2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your AUTO-VOX X2 Mirror Dash Cam. Follow these steps carefully.

2.1 Package Contents

Before beginning, ensure all components are present:

- AUTO-VOX X2 Mirror Dash Cam Unit
- Rear Camera
- Car Charger (Power Cable)
- Video Cable for Rear Camera
- GPS Module
- Two Sets of Mounting Straps
- User Manual (this document)
- Quick Guide
- Warranty Card



Image 2.1: The complete set of components included with the AUTO-VOX X2 Mirror Dash Cam.

2.2 Mounting the Mirror Dash Cam

1. Secure the AUTO-VOX X2 unit over your vehicle's existing rearview mirror using the provided rubber straps. Ensure it is firmly attached and does not obstruct your view.
2. Adjust the angle of the front camera lens to ensure it captures the road ahead clearly.

2.3 Connecting Power and GPS

1. Connect the car charger cable to the USB port on the dash cam unit.
2. Plug the other end of the car charger into your vehicle's cigarette lighter socket.
3. Connect the GPS module to the designated GPS port on the dash cam unit. Position the GPS module on your dashboard or windshield where it has a clear view of the sky for optimal signal reception.

2.4 Installing the Rear Camera

1. Mount the rear camera at the rear of your vehicle, typically above the license plate or on the rear window. Ensure it has a clear, unobstructed view.
2. Route the video cable from the rear camera to the AV (backup camera) port on the main dash cam unit.

3. Connect the red wire from the rear camera's video cable to your vehicle's reversing light power supply (+12V). This enables automatic display of the rear view when shifting into reverse gear.



Image 2.2: Detailed wiring diagram illustrating the connections for the rear camera, GPS, and power supply.

3. OPERATING INSTRUCTIONS

The AUTO-VOX X2 is designed for intuitive operation via its touch screen interface.

3.1 Touch Screen Operation

The 9.88-inch full touch screen allows for easy navigation and control. Swipe your fingers across the screen to access different menus and settings, or to adjust display brightness and camera views.

3.2 Front Camera Recording

The front camera records in 1296P Full HD, capturing a wide 140-degree field of view. Recording starts automatically when the device powers on. The display can show the front view, rear view, or a split view.



Image 3.1: Example of the clear, wide-angle view provided by the front camera on the X2 display.

3.3 Rear Camera and Reverse Assistance

When the vehicle is shifted into reverse gear, the rearview camera automatically activates, displaying a wide 140-degree view with parking guidelines on the screen. This assists in safe parking by showing a closer backup image and reducing blind spots.



Image 3.2: The rear camera display with active parking guidelines for easy maneuvering.

3.4 G-Sensor and Loop Recording

- **G-Sensor:** In the event of a collision or sudden impact, the built-in G-Sensor automatically locks the current video footage, preventing it from being overwritten.
- **Loop Recording:** When the storage card is full, the system automatically overwrites the oldest

unlocked video segments. This ensures continuous recording without manual deletion.



Image 3.3: Illustration of the loop recording function, ensuring continuous video capture.

3.5 Parking Monitor and LDWS

- **Parking Monitor:** When enabled, the dash cam will automatically begin recording if an impact is detected while the vehicle is parked. This feature provides 24-hour surveillance. A hardwire kit (5V/2A) is required for continuous 24-hour parking monitoring and must be purchased separately.
- **Lane Departure Warning System (LDWS):** This system provides an audible alert if the vehicle unintentionally drifts from its lane, promoting safer driving.



Image 3.4: The parking monitoring feature capturing an event while the vehicle is stationary.

3.6 GPS Playback

The integrated GPS tracking system records precise speed, direction, and route information. This data can be reviewed on a PC using the included player software, which requires an internet connection for map display. This feature is valuable for documenting journeys and providing evidence in case of an incident.



Image 3.5: Visual representation of GPS tracking and route playback.

4. MAINTENANCE

To ensure the longevity and optimal performance of your AUTO-VOX X2 Mirror Dash Cam, regular maintenance is recommended.

- **Cleaning:** Gently wipe the screen and camera lenses with a soft, lint-free cloth. Avoid using abrasive cleaners or solvents.
- **SD Card Management:** Regularly format the microSD card (at least once a month) to prevent data corruption and ensure smooth recording. Use a high-quality Class 10 or higher microSD card.
- **Battery Care:** If using the parking monitor feature, ensure your vehicle's battery is in good condition and consider checking its charge frequently, especially in cold weather or if the vehicle is parked for extended periods. For continuous parking monitoring, a dedicated hardwire kit is recommended to prevent draining the car battery.
- **Firmware Updates:** Check the official AUTO-VOX website periodically for any available firmware updates to improve performance and add new features.

5. TROUBLESHOOTING

If you encounter issues with your AUTO-VOX X2, refer to the following common troubleshooting tips:

- **Device Not Powering On:** Ensure the car charger is securely connected to both the dash cam and the vehicle's power outlet. Check if the vehicle's power outlet is functioning.
- **Recording Issues:** Verify that a compatible microSD card is inserted and formatted correctly. If the

card is full, loop recording should automatically manage space; however, frequent manual formatting can resolve issues.

- **Rear Camera Not Displaying:** Check all cable connections between the rear camera and the main unit. Ensure the red wire for reverse assistance is correctly connected to the reversing light's +12V power.
- **GPS Signal Problems:** Ensure the GPS module is placed in an area with a clear view of the sky, free from obstructions.
- **Screen Glare:** Adjust the screen brightness settings via the touch screen. Consider using a screen protector designed to reduce glare.
- **LDWS Alerts Constantly:** The Lane Departure Warning System may be sensitive. Adjust its sensitivity settings in the menu if available, or disable it for city driving if preferred.

If problems persist, please contact AUTO-VOX customer support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Model Name	X2
Screen Size	9.88 inches (Touch Screen)
Front Camera Resolution	1296P FHD
Rear Camera Resolution	720P AHD
Field of View	140 Degrees
Special Features	Built-In GPS, Parking Monitor, G-Sensor, LDWS, Loop Recording, WDR
Connectivity Technology	USB
Mounting Type	Windshield Mount (Mirror Clip-on)
Batteries	1 Lithium Ion battery required
Item Weight	2.64 pounds
Package Dimensions	12.5 x 4.7 x 2.6 inches

7. WARRANTY AND SUPPORT

The AUTO-VOX X2 Mirror Dash Cam comes with a manufacturer's warranty. Please refer to the included Warranty Card for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact AUTO-VOX customer service through their official website or the contact information provided in your product packaging.

For additional resources and frequently asked questions, visit the official AUTO-VOX support page: www.auto-vox.com/support

