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AUTO-VOX X6

AUTO-VOX X6 Dash Cam Instruction Manual

Model: X6

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AUTO-VOX X6 Dash Cam. Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The AUTO-VOX X6 is a mirror-type dash cam featuring separate front and rear cameras, a touch panel display, wide-angle lenses, 1080P Full HD recording, GPS functionality, WDR (Wide Dynamic Range), and SuperView night vision. It supports 24-hour parking monitoring, loop recording, and impact recording.

Key Features:

- **Separated Front Camera:** Offers flexible installation, ideal for vehicles with automatic braking systems, preventing interference with the mirror's view.
- **Integrated GPS:** Provides stable GPS signal and records location, date, and speed data.
- **High-Resolution Recording:** Both front and rear cameras record in 1080P FHD using an IMX307 sensor and 6-layer glass lens for clear day and night footage.
- **Advanced Imaging:** Features WDR and SuperView night vision to reduce overexposure from headlights and enhance low-light recording.
- **24-Hour Parking Monitoring:** Automatically records 30-second clips upon impact detection when parked, without draining the car battery (no additional hardware kit needed).
- **Multi-functional Support:** Includes G-sensor, loop recording, impact recording, LED signal light compatibility, and DIY parking assist lines.
- **Electromagnetic Interference Free:** Designed to minimize interference with other vehicle electronics.

Package Contents:

- AUTO-VOX X6 Mirror Unit
- Front Camera (with integrated GPS)
- Rear Camera

- Bracket
- Rubber Bands (x4)
- Direct Wiring Cord (250cm)
- Video Cable (600cm)
- Power Cable (60cm)
- Fuses (x2, low-profile type)
- User Manual



Image: AUTO-VOX X6 package contents including the mirror unit, front camera, rear camera, cables, fuses, and user manual, along with key dimensions.

3. SETUP AND INSTALLATION

3.1 Mounting the Mirror Unit

1. Attach the mirror unit to your vehicle's existing rearview mirror using the provided rubber bands. Ensure it is securely fastened and does not obstruct your view.

3.2 Installing the Front Camera

The front camera is separate from the mirror unit, allowing for flexible placement. It is recommended to mount it on the front windshield to avoid interference with the mirror's field of view, especially in vehicles with automatic braking systems.

1. Choose a suitable location on your front windshield that does not obstruct the driver's view or interfere with vehicle sensors.
2. Clean the chosen area thoroughly.
3. Attach the front camera using its adhesive mount.
4. Connect the front camera to the main mirror unit using the provided cable. The device will not power on if the front camera is not connected, as it contains power supply components.



Image: Illustration of the separated front camera design, showing its independent mounting from the mirror unit.

3.3 Installing the Rear Camera

1. Mount the rear camera at the back of your vehicle, typically above the license plate or on the rear window.
2. Route the video cable from the rear camera to the main mirror unit.

3.4 Power Connection

The AUTO-VOX X6 uses a direct wiring cord for power, connecting to your vehicle's fuse box. This ensures a clean installation without occupying the car's cigarette lighter port.

1. Connect the red wire (B+) to a constant power source in your fuse box.
2. Connect the yellow wire (ACC) to an accessory power source in your fuse box.
3. Connect the black wire (GND) to a metal part of the vehicle chassis for grounding.
4. Ensure all three power cable lines are connected for the device to power on correctly.



Image: Detailed wiring diagram for the AUTO-VOX X6, showing connections to the fuse box (ACC, B+), ground (GND), and back lamp for the rear camera.

3.5 MicroSD Card Installation

1. Insert a high-speed MicroSD card (Class 10 or higher, up to 128GB recommended) into the designated slot on the mirror unit.
2. Format the MicroSD card within the device settings before first use.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- The device will automatically power on and begin recording when the vehicle engine starts.
- It will automatically power off when the engine is turned off.
- To manually turn off the display while recording, press the power button. The device will continue recording in the background.

4.2 Touch Screen Operation

The AUTO-VOX X6 features a touch-sensitive display for easy navigation and settings adjustment.

4.3 Display Modes

The device offers three main display modes:

1. **Constant Recording Screen:** Displays the live view from the front or rear camera. To enable this, ensure "Driving Mode" is turned OFF in the settings. You can switch between front camera view, rear camera view, or a split-screen display showing both. Long-press the time display in the upper right corner to toggle the clock display on/off.
2. **Driving Mode:** After a set period, the display automatically switches to a speed display. To enable this, ensure "Driving Mode" is turned ON in the settings.
3. **Display Off:** Press the power button to turn off the screen. The device functions as a traditional rearview mirror while continuing to record both front and rear cameras simultaneously.



Image: Various display modes of the AUTO-VOX X6, including front monitor, rear monitor, front and rear split display, and traditional rearview mirror view.

4.4 Recording Functions

- **Loop Recording:** The device continuously records, overwriting the oldest files when the memory card is full.
- **G-Sensor/Impact Recording:** In the event of a sudden impact or collision, the G-sensor automatically locks the current recording file to prevent it from being overwritten.
- **Parking Monitoring:** When the vehicle is parked and the engine is off, the device will automatically turn on and record for approximately 30 seconds if an impact is detected. This feature is enabled by the direct wiring connection.

4.5 GPS Functionality

The integrated GPS module records your driving route, speed, and location data. This information can be viewed during video playback on the device or a computer.

4.6 Parking Assist Lines

When reversing, parking assist lines are displayed on the screen. These lines can be adjusted or disabled in the settings. The device remembers your DIY adjustments for future use.

5. MAINTENANCE

5.1 Cleaning the Device

- Use a soft, dry cloth to clean the mirror unit and camera lenses.
- Do not use abrasive cleaners or solvents, as they may damage the surfaces.

5.2 MicroSD Card Maintenance

- Regularly format the MicroSD card (e.g., once a month) within the device settings to ensure optimal performance and prevent data corruption.
- Replace the MicroSD card if you notice any recording errors or performance degradation.

5.3 Firmware Updates

Check the AUTO-VOX official website periodically for any available firmware updates. Follow the instructions provided with the update carefully.

6. TROUBLESHOOTING

Common Issues and Solutions:

- **Device does not power on:**
Ensure all three power cable lines (red B+, yellow ACC, black GND) are correctly connected. The front camera must also be connected for the device to power on.
- **"Low Profile" fuse type does not fit:**
If the included low-profile fuse type does not match your vehicle's fuse box (e.g., mini flat or flat type), please contact AUTO-VOX after-sales service for a compatible fuse.
- **Rubber bands for mirror mounting are too short:**
If the included rubber bands are too short for your vehicle's rearview mirror, please contact AUTO-VOX after-sales service for compatible bands.
- **Rear camera image is mirrored and cannot be adjusted:**
The rear camera image is intentionally mirrored by design for rearview display. This cannot be changed on the device. However, when playing back footage on the mirror unit or a PC, the rear camera image will be displayed correctly (non-mirrored).
- **No parking monitoring function:**
If you connect both the red (constant power) and yellow (accessory power) lines to the vehicle's accessory power, the parking monitoring function will be unavailable. Ensure the red wire is connected to a constant power source for parking monitoring.
- **Time discrepancy after startup (without parking monitoring):**
If both red and yellow power lines are connected to accessory power, there may be a time discrepancy until the GPS signal is received after the mirror unit starts.
- **Recordings not saved before power off (without parking monitoring):**
If both red and yellow power lines are connected to accessory power, recordings made just before the mirror unit powers off may not be saved.

7. SPECIFICATIONS

Brand	AUTO-VOX
Model Number	X6-JP

Video Resolution	Front: 1080P, Rear: 1080P
Lens	6-layer glass lens
Image Sensor	IMX307
Actual View Angle	145 degrees
Display Type	LCD Touch Panel
Control Method	Touch
Mounting Type	Adhesive (Front Camera), Strap-on (Mirror Unit)
Placement	Front and Rear
Features	Loop Recording, G-Sensor, Impact Recording, WDR, SuperView Night Vision, GPS, 24-hour Parking Monitoring, LED Signal Light Support, DIY Parking Assist Lines
Memory Card Support	MicroSD (Class 10 or higher, up to 128GB)
Power Consumption (Engine Off)	0.12W
Low Voltage Protection	11.6V
Color	Black
Product Weight	1.16 kg

8. WARRANTY AND SUPPORT

The AUTO-VOX X6 Dash Cam comes with an 18-month warranty. This warranty is applicable only to purchases made from the authorized retailer "I-Carmore".

For any inquiries, technical support, or warranty claims, please contact AUTO-VOX customer service. They offer 24-hour support to assist you with any issues.

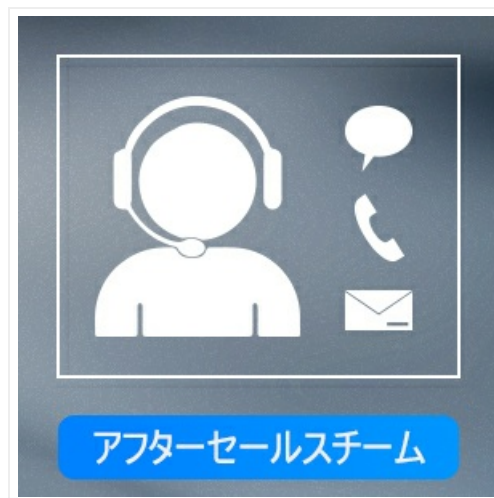


Image: Icon representing customer support, including a headset, phone, and email symbols.