

## AUTO-VOX T10

# AUTO-VOX T10 Digital Inner Mirror Dash Cam Instruction Manual

Model: T10 | Brand: AUTO-VOX

## 1. INTRODUCTION

The AUTO-VOX T10 is a digital inner mirror dash cam designed for seamless integration, offering advanced features such as front and rear camera recording, GPS, parking surveillance, automatic brightness adjustment, super night vision, HDR/WDR, and a 10-inch full HD touch panel. This manual provides detailed instructions for its installation, operation, and maintenance to ensure optimal performance and safety.

## 2. PRODUCT OVERVIEW

The AUTO-VOX T10 features a sleek design that replaces your original rearview mirror, providing a clean and integrated look. It includes a 10-inch touch screen display, a front camera, a rear camera, and a GPS module.



Image: The AUTO-VOX T10 main unit, showing the mirror display, front camera, rear camera, and GPS module.

The 10-inch large touch panel LCD features a trapezoidal design, allowing the sun visor to be used normally after installation, making it compatible with various vehicle types.

### 3. SETUP AND INSTALLATION

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Proper installation is crucial for the optimal performance of your AUTO-VOX T10. Follow these steps carefully:

#### 3.1 Components Check

Ensure all components are present before beginning installation:

- Main Mirror Unit
- Front Camera
- Rear Camera
- GPS Antenna
- Power Cable
- Video Data Cable

- Mounting Adapters (various types for compatibility)
- Instruction Manual



Image: Overview of the AUTO-VOX T10 components, including the main mirror unit, front camera, rear camera, GPS module, cables, and mounting adapters.

## 3.2 Wiring Diagram

Refer to the diagram below for correct wiring connections:



Image: Detailed wiring diagram illustrating connections for the front camera, rear camera, GPS antenna, ACC power, constant voltage (B+) fuse, and reverse light signal.

- **Main Unit Power:** Connect the power cable to the ACC (Accessory) and constant voltage (B+) fuse.
- **Ground:** Connect the ground wire to a metal part of the vehicle chassis.
- **Front Camera:** Mount the front camera on the windshield and connect it to the main unit.
- **Rear Camera:** Mount the rear camera at the back of the vehicle and connect its video data cable to the main unit. Connect the red wire of the rear camera cable to the reverse light power for the reverse assist function.
- **GPS Antenna:** Mount the GPS antenna on the dashboard or windshield with a clear view of the sky and connect it to the main unit.

## 3.3 Mirror Replacement

The T10 is designed as a genuine mirror replacement type. Use the provided adapters to securely mount the main unit in place of your original rearview mirror. This ensures a factory-integrated appearance.



## 超鮮明夜間暗視機能・WDR/HDR 搭載

夜間やトンネルでの明暗さ激しいシーンもしっかり補正して、キレイな映像を記録します



Image: The AUTO-VOX T10 main unit shown with different mounting adapters, highlighting its design as a genuine mirror replacement for high compatibility.

## 4. OPERATING INSTRUCTIONS

The AUTO-VOX T10 features an intuitive touch screen interface for easy operation.

### 4.1 Power On/Off

The device will automatically power on and begin recording when the vehicle's ignition is turned on. It will power off automatically when the ignition is turned off.

### 4.2 Continuous Recording

Once powered on, the dash cam continuously records footage from both front and rear cameras. This ensures that all driving events are captured.

## 24 時間駐車監視

駐車中の衝撃を自動検知し、自動で録画を開始。大切な車をしっかりと見守ります。  
(本商品は駐車監視電源ケーブルは付属している)



Image: The AUTO-VOX T10 screen showing continuous recording in progress, capturing the view from the rear of a car on a road.

### 4.3 Manual Recording

To manually start a recording or save a specific segment, press the designated button on the touch screen. This allows you to control the recording duration for important events.



Image: A hand touching the screen of the AUTO-VOX T10, demonstrating the manual recording function while driving in traffic.

#### 4.4 Menu Navigation

Swipe left or right on the screen to access different viewing modes (front, rear, split view). Tap on icons to enter settings, review footage, or adjust other functions.

### 5. KEY FEATURES

#### 5.1 Automatic Brightness Adjustment

The T10 is equipped with a light sensor that automatically detects ambient brightness and adjusts the LCD brightness for optimal visibility. It reduces glare in dark areas like tunnels or during night driving and ensures a clear display even in bright daylight. This automatic adjustment enhances safety and comfort during driving.



Image: The AUTO-VOX T10 screen demonstrating the automatic brightness adjustment feature, showing how the display adapts to different lighting conditions from bright to dark.

#### 5.2 Split Camera Design

The split camera design ensures that adjusting the mirror angle does not affect the camera's view, providing a consistently stable field of vision. The front camera can be mounted on the windshield, eliminating the common issue of integrated dash cams obstructing the view. Additionally, the 150-degree ultra-wide-angle rear camera displays clear rear images on the approximately 10-inch large screen, reducing blind spots by up to one-third and significantly enhancing safety.



## フロントカメラ分離式设计

車両 ADAS ユニットが録画映像に映り込むことを回避します。カメラの設置場所も選びません。

自動ブレーキシステム搭載車にも対応！



Image: A comparison illustrating the benefits of the AUTO-VOX T10's split camera design, showing how it provides a wider and clearer front camera view compared to traditional integrated designs.

## 5.3 Smart Parking Surveillance

When a hit-and-run or impact is detected while parked, the digital inner mirror dash cam automatically begins recording. It records high-resolution footage before and after the impact and stops automatically after approximately 30 seconds. The saved footage is locked and securely stored on the SD card, preventing overwriting. This ensures reliable evidence even in unsupervised parking areas, protecting your vehicle with peace of mind. (Note: A parking surveillance power cable is included with this product.)

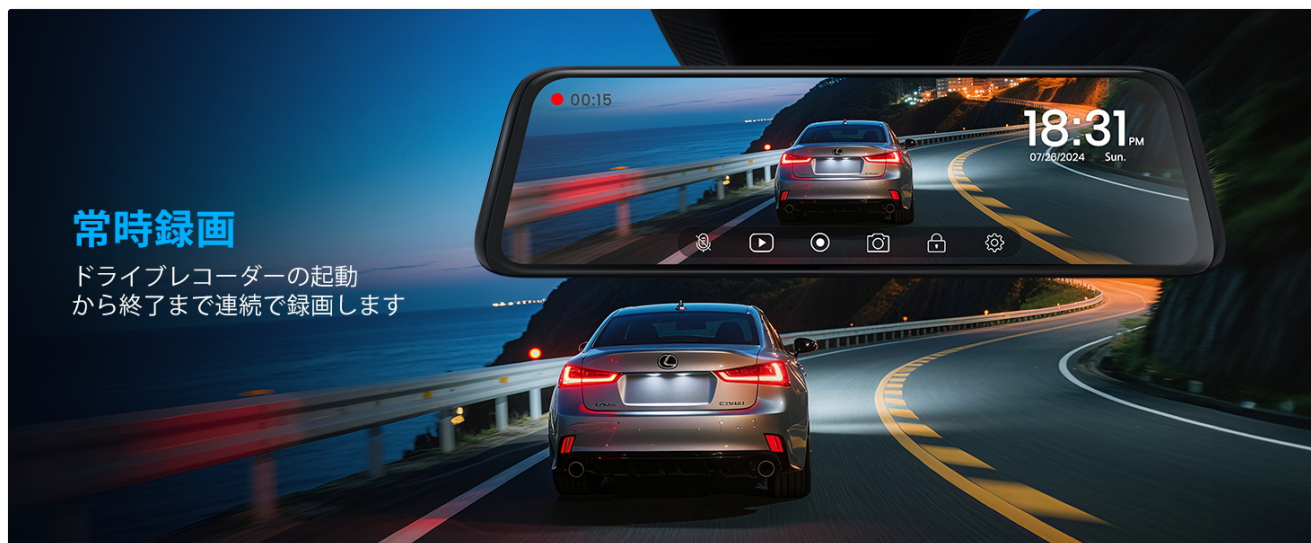


Image: An illustration of the AUTO-VOX T10's 24-hour parking surveillance feature, showing a car protected by a digital shield, indicating continuous monitoring.

## 5.4 Reverse Interlock & Guideline Adjustment

Equipped with a convenient backup camera function for parking. When the shift lever is put into reverse, the digital mirror automatically switches the viewing angle downwards and displays parking guidelines (guideline position can be adjusted by sliding up and down). The rear camera has an optimal 150-degree field of view, avoiding excessive distortion common with fisheye lenses and allowing for accurate distance perception. The digital mirror enables safer and smoother parking.



Image: The AUTO-VOX T10 display showing reversing guidelines overlaid on the rear camera feed, assisting with parking maneuvers.

## 5.5 Noise Reduction & LED Signal Light Compatibility

This product implements noise countermeasures to suppress interference with AM/FM radio, ETC, terrestrial digital broadcasting, and navigation systems, ensuring a comfortable driving environment. By setting the recording frame rate to 27.5 FPS, it can accurately record LED signal lights, which have different frequencies in Eastern and Western Japan. This eliminates the common issue of signal lights disappearing for several seconds in conventional dash cams, providing more reliable and secure video recording.

## 5.6 Safety Features: Super Capacitor & GPS

The main unit uses a new type of super capacitor power supply that is resistant to high temperatures, avoiding the risk of damage due to overheating, expansion, or heat. This ensures safe use even in hot summer car interiors, protecting both the driver and the vehicle. The screen uses a new material with 86% transmittance, achieving high light transmission and low reflection. This prevents double images even under direct sunlight, ensuring a consistently clear view. Furthermore, the GPS function allows location information and driving routes to be saved along with the recorded data. By installing dedicated software on a PC, you can review detailed information such as latitude, longitude, date, time, speed, and driving route in conjunction with the video, significantly enhancing the record and evidentiary value of your drives.



Image: An illustration highlighting the AUTO-VOX T10's genuine SONY sensor and HDR/WDR technology, showing improved image clarity in challenging lighting conditions compared to systems without these features.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your AUTO-VOX T10, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the screen and camera lenses with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **SD Card:** Regularly format the SD card (at least once a month) to prevent data corruption and ensure smooth recording. Back up any important footage before formatting.
- **Firmware Updates:** Check the AUTO-VOX official website periodically for firmware updates. Keeping your device updated can improve performance and add new features.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from damage.

## 7. TROUBLESHOOTING

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If you encounter any issues with your AUTO-VOX T10, refer to the following common problems and solutions:

### 7.1 Device Not Powering On

- Check if the power cable is securely connected to the main unit and the vehicle's power source (ACC and B+).
- Ensure the vehicle's ignition is on.
- Verify the fuse connected to the dash cam's power supply is not blown.

### 7.2 Recording Issues

- **SD Card Error:** Format the SD card. If the issue persists, try a new, high-speed (Class 10 or U3) SD card.
- **Intermittent Recording:** Ensure the power supply is stable. Check for loose connections.

### 7.3 G-Sensor Emergency Recording

The dash cam detects impacts to the vehicle (front, rear, up, down, left, right) and automatically locks or saves the video footage from that moment. If emergency recordings are too frequent, adjust the G-sensor sensitivity in the settings menu.

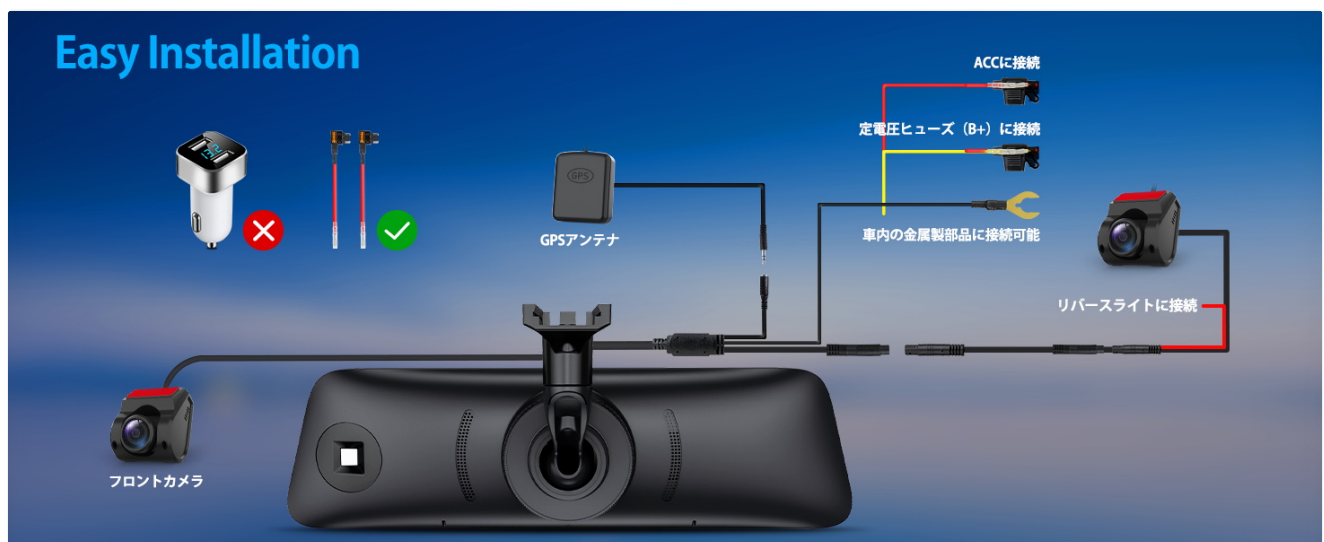


Image: An illustration depicting the G-sensor emergency recording feature, showing a locked video icon over a car accident scene, indicating automatic incident capture and protection.

### 7.4 GPS Signal Issues

- Ensure the GPS antenna is mounted in a location with a clear view of the sky, away from metal obstructions.
- Allow a few minutes for the device to acquire a GPS signal after startup.

## 8. SPECIFICATIONS

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Screen Size	10 inches
Compatible Devices	Automobiles
Battery Included	No
Battery Usage	No
Brand Name	AUTO-VOX
Manufacturer	Auto-vox
Product Model Number	T10
Included Components	GPS, Warranty Card, Front Camera, Rear Camera
Other Features	G-sensor, Parking Monitor, Split Camera, Genuine Mirror Type, Automatic Brightness Adjustment
Display Type	LCD
Mounting Type	Front Glass Mount
Product Dimensions	1.3 x 25.5 x 7.5 cm
Item Weight	450 grams
Video Capture Resolution	1944p
Control Method	Touch

## 9. WARRANTY AND SUPPORT

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### 9.1 Warranty Information

The AUTO-VOX T10 comes with a manufacturer's 18-month warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

### 9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact AUTO-VOX customer support through the following channels:

- **Email:** Refer to the contact information provided in your product packaging or on the official AUTO-VOX website.
- **Online Resources:** Visit the AUTO-VOX official website for FAQs, updated manuals, and support forums.

When contacting support, please have your product model (T10) and purchase details ready.