

eRapta AWTCM701

eRapta AWTCM701 Magnetic Solar Wireless Backup Camera System User Manual

Model: AWTCM701

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your eRapta AWTCM701 Magnetic Solar Wireless Backup Camera System. Please read this manual thoroughly before using the product to ensure proper function and safety.

The eRapta AWTCM701 system features a 7-inch HD1080P touchscreen monitor and a magnetic solar-powered wireless camera, designed for easy installation and enhanced vehicle safety with features like DVR recording and Blind Spot Detection (BSD).

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 7-inch HD1080P Touchscreen Monitor
- Magnetic Solar Wireless Backup Camera(s)
- Car Charger for Monitor
- USB Type-C Charging Cable for Camera
- 32GB SD Card (pre-installed in monitor)
- User Manual



Image: Overview of the eRapta AWTCM701 system, showing the monitor and two cameras. This illustrates the primary components included in the package.

3. SETUP AND INSTALLATION

The eRapta AWTCM701 system is designed for quick and easy installation without the need for complex wiring or drilling.

3.1 Camera Installation

1. **Attach the Camera:** Secure the magnetic base of the camera to any metal surface on your vehicle where a clear view is desired. Common locations include the rear bumper, trailer hitch, or roofline. Ensure the camera is firmly attached and stable.
2. **Adjust Angle:** Adjust the camera's angle to achieve the optimal viewing perspective.

3.2 Monitor Installation

1. **Mount the Monitor:** Place the 7-inch touchscreen monitor on your dashboard or windshield using the provided mount. Ensure it does not obstruct your view of the road.
2. **Power Connection:** Plug the monitor's car charger into your vehicle's 12V power outlet (cigarette lighter socket). The monitor will power on automatically.

1 MINUTE INSTALL-FREE

Step 1: Attach the magnetic camera in any position with metal surface of the vehicle.



Step 2: Plug and play the monitor by the car charger.

Image: Visual guide for the 1-minute install-free process, demonstrating how to attach the magnetic camera to a metal surface and plug the monitor into the car charger.

3.3 Initial Pairing (if necessary)

The camera and monitor are typically pre-paired at the factory. If they do not connect automatically, refer to the troubleshooting section for manual pairing instructions.

4. OPERATING INSTRUCTIONS

4.1 Touchscreen Operation

The 7-inch HD1080P IPS touchscreen allows for intuitive control of all system functions. Simply touch and tap the screen to navigate menus and adjust settings.

7" HD1080P IPS TOUCHSCREEN

You can make any operation by touching the screen directly or pressing the button on the top of the monitor.



Image: A hand demonstrating interaction with the 7-inch HD1080P IPS touchscreen monitor, highlighting its direct operation capabilities.

4.2 DVR Recording and Playback

The system includes a 32GB SD card for automatic loop recording. When the memory card is full, the system will automatically overwrite the oldest videos. You can manage recorded videos directly from the monitor.

- **Accessing Recordings:** Navigate to the 'Playback' or 'Files Storage' option on the touchscreen to view recorded footage.
- **Deleting Videos:** You can delete individual videos or format the SD card through the monitor's settings.

LOOP RECORD

DVR automatically to keep trip retention or monitoring driving evidence.

32GB SD
Card Included


Playback & Files Storage



Image: The monitor screen illustrating the loop recording function, emphasizing the included 32GB SD card for continuous video storage.

4.3 Blind Spot Detection (BSD)

The BSD feature enhances driving safety by detecting obstacles or people near your vehicle's parking lines. When activated, the AI system will provide on-screen alarms and audio warnings.

- **Activating BSD:** Access the system settings via the touchscreen to enable or customize BSD parameters.
- **Warning Indicators:** Visual alerts will appear on the monitor, accompanied by an audible warning, if an object is detected within the configured blind spot zones.

ENSURE DRIVING SAFETY WITH **BSD**

The AI system will alarm on the screen and make an audio warning if any obstacles or people closing the parking lines.



Image: A visual representation of the Blind Spot Detection (BSD) system in action, showing a camera detecting a cyclist near a vehicle and triggering an on-screen alarm.

4.4 Camera Features

- **IR Night Vision:** The camera is equipped with infrared (IR) night vision for clear visibility in low-light conditions.
- **IP69K Waterproof:** The camera is designed to withstand harsh weather conditions, offering high-level dust and water resistance.
- **Mirror/Flip Setting:** Adjust the camera's image orientation (mirror or flip) through the monitor settings to suit your preference or mounting position.
- **Multi-Channel Support:** The system supports up to 4 camera channels, allowing for expansion with additional cameras (sold separately).

A MUST-HAVE TRAVEL COMPANION

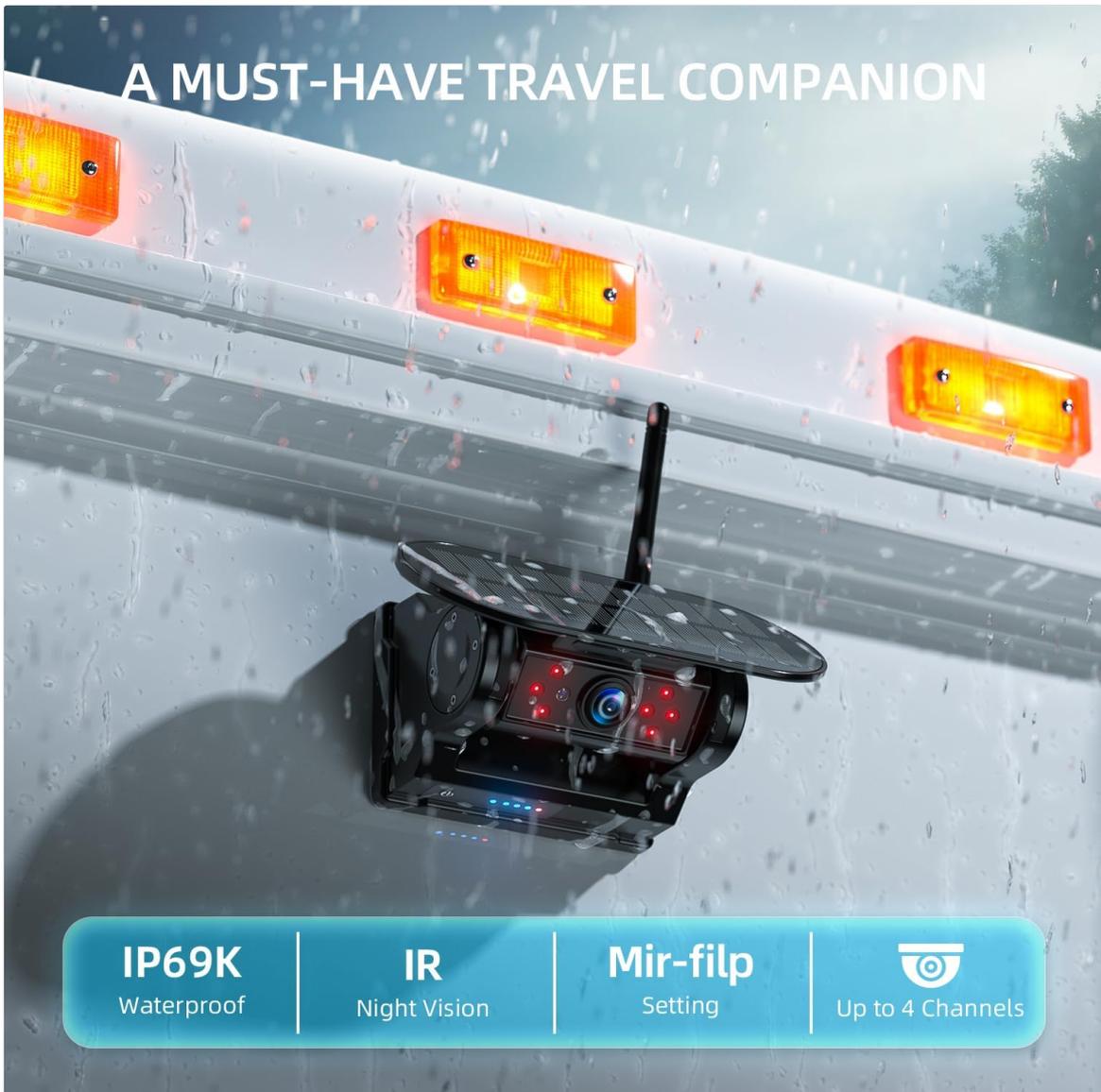


Image: A close-up of the camera mounted on a vehicle, detailing its IP69K waterproof rating, IR night vision capabilities, mirror-flip setting, and support for up to 4 channels.

5. MAINTENANCE

5.1 Camera Charging

The camera features dual charging methods for extended battery life:

- **Solar Power Charging:** The integrated solar panel continuously charges the camera's built-in Li-ion battery when exposed to sunlight.
- **Type-C Charging:** For faster charging or in low-light conditions, use the provided USB Type-C cable to charge the camera.

The camera enters an auto-sleep mode shortly after the monitor is powered off to conserve battery. Battery levels are visible on both the camera unit and the monitor display.

EXTRA-LONG BATTERY LIFE

Auto
Sleep Mode

Dual Ways
of Charging

Low Power
Consumption

9600mAh
Li-ion Battery



Type-C Charging



Solar Power Charging



Image: The camera unit showcasing its solar panel and illustrating the two charging methods: Type-C cable charging and solar power charging.

5.2 Cleaning

- **Monitor:** Use a soft, dry cloth to clean the monitor screen. Avoid abrasive cleaners.
- **Camera:** Wipe the camera lens and solar panel with a soft, damp cloth to remove dirt and ensure optimal performance.

6. TROUBLESHOOTING

- **No Signal/Black Screen:**
 - Ensure the monitor is powered on and connected to the car charger.
 - Check if the camera battery is charged.
 - Verify the camera is within range of the monitor. Obstructions can reduce signal strength.
 - Re-pair the camera and monitor if necessary (refer to manual for specific pairing steps).
- **Poor Image Quality:**
 - Clean the camera lens.

- Ensure there are no obstructions blocking the camera's view.
- Check for strong interference sources nearby.
- **BSD Not Functioning:**
 - Ensure BSD is enabled in the monitor settings.
 - Verify camera placement provides a clear view of the blind spot areas.
- **DVR Not Recording:**
 - Check if the 32GB SD card is properly inserted.
 - Ensure the SD card is not corrupted. Try formatting it (this will erase all data).

7. SPECIFICATIONS

Feature	Detail
Model	AWTCM701
Monitor Size	7-inch
Display Resolution	HD1080P
Display Type	IPS Touchscreen
Camera Connectivity	Wireless (2.4GHz)
Wireless Range (Open Space)	Up to 320 ft
Wireless Range (Continuous Vehicles)	Up to 40 ft
Camera Power Source	Built-in 9600mAh Li-ion Battery, Solar Panel
Camera Charging	Solar, USB Type-C
Camera Features	IP69K Waterproof, IR Night Vision, Magnetic Base
DVR Function	Loop Recording with 32GB SD Card (included)
Safety Features	Blind Spot Detection (BSD)
Multi-Camera Support	Up to 4 Channels
ASIN	B0FW3ZP54T
Date First Available	August 26, 2025

STABLE 2.4GHZ WIRELESS SIGNAL



Image: A diagram illustrating the stable 2.4GHz wireless signal range, showing effective distances for open spaces (320ft) and continuous vehicles (40ft) across different vehicle types like cars, trailers, trucks, and RVs.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

eRapta products are designed for reliability and performance. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official eRapta website.

8.2 Customer Support

If you encounter any issues or have questions regarding your eRapta AWTCM701 system, please contact our customer support team. You can find contact information on the eRapta website or through your purchase platform.

When contacting support, please have your product model (AWTCM701) and purchase details ready.

