AMTIFO SZNZWX

AMTIFO A7 Wireless RV Backup Camera System User Manual

Model: SZNZWX

1. Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your AMTIFO A7 Wireless RV Backup Camera System. Designed for ease of use and reliable performance, this system enhances safety and convenience for RVs, trucks, and trailers, especially those pre-wired for Furrion systems.

2. What's in the Box

- 1 x Wireless Rear View Camera
- 1 x 7-Inch Touch Key Display with sunshade
- 1 x U Bracket for Monitor
- 1 x Cigarette Lighter Plug
- 1 x Pig-Tail Wire
- 1 x Test Wire
- 1 x User Manual

3. Key Features

- **Plug and Play Compatibility:** Designed for easy installation with RVs pre-wired for Furrion systems, utilizing the existing mounting bracket adapter plate and pigtail wire.
- **Stable Wireless Signal:** Employs a 2.4-GHz communication system with advanced IPS technology and upgraded dual antennas for a fast, reliable digital connection, reaching up to 825ft in open areas and 320ft on vehicles.
- **Multi-Channel Monitor:** The 7-inch monitor supports up to four cameras simultaneously, providing a comprehensive view of blind spots. Additional cameras (license plate, side, front, or interior) can be added.
- **Video Recording Function:** Features a built-in SD card slot for video recording (dash cam functionality) with loop recording, automatically overwriting old files when memory is full.
- **Durable Construction:** Camera boasts a resilient all-metal construction and IP69K waterproof rating, ensuring

performance in extreme weather conditions. The power IC on the motherboard is upgraded from 35V to 60V for enhanced reliability.

- **High Resolution & Night Vision:** Equipped with a CMOS image sensor and 1080P color chip for clear, true-color images. Provides up to 20 feet of reliable infrared night vision and smart infrared cut filters.
- **User-Friendly Display:** The 7-inch capacitive touch key monitor allows for easy adjustments of brightness, contrast, color, and image flip (mirror/front view). Guide lines can be turned on/off and adjusted for width, height, and position.

4. Setup and Installation

4.1. Camera Installation (Furrion Pre-Wired RVs)

1. Remove the factory RV pre-wire bracket.
2. Connect the camera's male 2.5mm connector to the factory pre-wired RV harness.
3. Match the camera's mounting holes with the existing holes and secure the camera.

For RVs not pre-wired for Furrion, the camera can be wired to the marker light or running light for power.

Figure 4.1: 10-Minute Setup for Furrion Pre-Wired RVs.

4.2. Monitor Installation

Mount the 7-inch monitor using the provided U-bracket in a convenient location within your vehicle's cabin, such as on the dashboard. Connect the monitor to power using the cigarette lighter plug.

Figure 4.2: Monitor placement in a vehicle.

4.3. Initial Power On and Pairing

Once both the camera and monitor are powered, the system should automatically pair. If no signal is detected, ensure both units are powered correctly and within range. The system is designed for stable wireless signal transmission up to 320ft on vehicles.

Figure 4.3: System components and wireless range.

5. Operating Instructions

5.1. Monitor Controls

The 7-inch monitor features capacitive touch keys for easy navigation and settings adjustment:

- **Power Button:** Turns the monitor on/off.
- **Menu Button:** Accesses system settings.
- **+/- Buttons:** Navigate menu options or adjust values.

- **CH Button:** Switches between camera channels (if multiple cameras are connected).
- **OK Button:** Confirms selections.

Figure 5.1: Monitor touch key controls.

5.2. Image Adjustment and Flip Mode

Within the menu, you can adjust various image parameters:

- **Brightness, Contrast, Color:** Fine-tune the display for optimal viewing conditions.
- **Flip Mode:** Switch the image between mirror (rear view) and facing (front view) as needed. This is useful if the camera is used for front observation or if the image orientation needs correction.

Figure 5.2: Image adjustment options.

5.3. Guide Lines (DIY)

The system allows for customization of parking guide lines:

- **Enable/Disable:** Turn guide lines on or off.
- **Adjust Width:** Modify the width of the guide lines to match your vehicle's dimensions.
- **Adjust Position:** Move the guide lines up or down to align with your perspective.
- **Adjust Height:** Fine-tune the perceived height of the guide lines.

Figure 5.3: Customizable parking guide lines.

5.4. Video Recording

Insert an SD card (not included, 32GB-128GB recommended) into the monitor's SD card slot to enable video recording. The system supports loop recording, continuously recording and overwriting the oldest files when the card is full. This functions as a dash cam for monitoring around your RV.

Figure 5.4: Video recording functionality.

To search recorded video, the built-in Linux operating system supports searching by time and mode. The system can record from up to 4 cameras simultaneously.

Figure 5.5: Support for up to 4 cameras.

5.5. Night Vision

The camera is equipped with infrared night vision, providing clear visibility up to 20 feet in low-light conditions. Smart infrared cut filters ensure optimal image quality both day and night.

Figure 5.6: Day and Night Vision capabilities.

6. Maintenance

To ensure the longevity and optimal performance of your AMTIFO A7 system, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the camera lens and monitor screen with a soft, damp cloth. Avoid abrasive cleaners that could scratch surfaces.
- **Weather Protection:** The camera has an IP69K waterproof rating and is designed for high and low temperature resistance (-22°F to 176°F). While durable, ensure proper installation to prevent water ingress, especially around cable connections.
- **Cable Inspection:** Periodically check all cables and connections for signs of wear, damage, or corrosion. Secure any loose connections.
- **Software Updates:** Check the manufacturer's website for any available firmware updates for improved performance or new features.

Figure 6.1: Camera durability features.

7. Troubleshooting

Problem	Possible Cause	Solution
No Signal on Monitor	Camera or monitor not powered; Signal interference; Out of range.	Ensure both camera and monitor receive power. Check all connections. Reduce distance between camera and monitor. Avoid large metal obstructions.
Flickering or Unstable Image	Weak signal; Electrical interference; Loose connection.	Check antenna connections. Ensure proper power supply. Re-seat cables. Consider relocating the monitor or camera for better signal path.
Image is Upside Down or Mirrored	Incorrect flip mode setting.	Access the monitor menu and adjust the "Flip Mode" setting until the image is correctly oriented.
Recording Not Working	No SD card; SD card full or corrupted; Incorrect format.	Insert a compatible SD card (32GB-128GB). Format the SD card via the monitor's menu. Replace the SD card if corrupted.

8. Specifications

Feature	Detail
Brand	AMTIFO
Model Number	SZNZWX
Screen Size	7 Inches
Display Technology	LCD
Video Capture Resolution	1080p

Feature	Detail
Wireless Signal Range (Open Area)	Up to 825ft
Wireless Signal Range (Vehicle)	Under 320ft
Waterproof Rating	IP69K
Operating Temperature	-22°F to 176°F
Voltage	12 Volts
Optical Sensor Technology	CMOS
Special Features	Backup lines optional, Built-in record function, Loop recording, 150-degree wide viewing angle, Image flip (mirror/front view), Digital Wireless Signal Stable

9. Warranty and Support

AMTIFO provides a **30-day money-back guarantee** and a **2-year warranty** for this product. Free technical support and replacement services are also available.
For assistance with installation, setup, troubleshooting, or any other inquiries, please contact AMTIFO customer service. You may also find helpful YouTube videos provided by AMTIFO for installation and setup guidance.

Figure 9.1: 24-Hour Online Customer Service.

Official Product Videos (Seller)

HD 1080P RV backup camera wireless AMTIFO A7

Your browser does not support the video tag.

Description: This video demonstrates the HD 1080P resolution of the AMTIFO A7 wireless RV backup camera, showcasing its clear image quality.

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