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VOONOA B0DT62TYXS

VOONOA RV Camera System with Carplay Android Auto - 10.1" HD Touch Screen Instruction Manual

Model: B0DT62TYXS

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VOONOA RV Camera System. This system is designed to enhance vehicle safety and convenience with its comprehensive features, including 5 1080P wired cameras, a 10.1-inch HD Android 13 touch screen, Apple CarPlay, Android Auto, parking monitoring, navigation, and DVR capabilities. Please read this manual thoroughly before using the product to ensure proper function and safety.



Figure 1: VOONOA RV Camera System components including the 10.1-inch monitor and five wired cameras.

2. SAFETY INFORMATION

- Ensure all wiring connections are secure and properly insulated to prevent short circuits or electrical hazards.
- Mount cameras and monitor in locations that do not obstruct the driver's view or interfere with vehicle operation.
- Always adhere to local traffic laws and regulations regarding the use of in-vehicle electronic devices.

- Do not attempt to service or modify the system components yourself. Refer to qualified personnel for repairs.
- Keep the monitor and camera lenses clean for optimal performance.

3. SETUP

3.1 Package Contents

Verify that all items are present in the package:

- 10.1 inch 1080P touch screen monitor x 1
- 1080P rear / front view camera x 3
- 1080P side view camera x 2
- Monitor mount & install kit
- Monitor power cord & camera cables & cigarette lighter charger
- User Manual

10.1 Inch Ultra-sharp Touch Screen



1080P HD



Touch Screen



Figure 2: All components included in the VOONOA RV Camera System package.

3.2 Monitor Installation

The 10.1-inch touch screen monitor can be mounted on the dashboard using the provided mount and installation kit. Ensure the mounting location provides a clear view for the driver without obstructing the windshield or other controls.

Enjoy Music & Movies

Enrich your journey with music, videos, FM radio & more!



Figure 3: The 10.1-inch monitor mounted on a vehicle dashboard.

3.3 Camera Installation

The system includes 5 wired 1080P cameras: 3 for rear/front view and 2 for side view. These cameras are waterproof (IP69K rated) and designed for external mounting on your RV, truck, trailer, or motorhome. Carefully plan the routing of cables to ensure they are protected from damage and weather elements.

Video 1: This video demonstrates the physical installation process of the camera system, including mounting and wiring.

Installation & Connection



Figure 4: Wiring diagram for connecting the monitor and cameras.

3.4 Wiring Connections

Connect the main power cable to the monitor. The red and yellow cables of the power cable connect to the positive terminal of the vehicle's battery, and the black cable connects to the negative terminal. Connect the 4-pin cables from the cameras to the corresponding inputs on the main power cable. The system includes trigger wires for left turn, right turn, and reverse, which can be connected to the vehicle's respective signal wires to automatically switch camera views.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

The monitor will automatically power on when the vehicle's ignition is turned on, or when connected via the cigarette lighter charger. To manually power on/off, use the power button located on the side of the monitor.

4.2 Monitor Interface

The 10.1-inch HD touch screen provides an intuitive interface for accessing all system functions. Navigate through menus and settings by tapping on the screen. Physical buttons on the side allow for quick access to functions like volume control, home, and back.

Video 2: This video demonstrates the various functions and user interface of the VOONOA RV Backup Camera System.

4.3 Camera Views

The system supports displaying up to 6 channels simultaneously. You can switch between individual camera views or a multi-view display (e.g., 360° view with 5 cameras). When connected to trigger wires, the monitor will automatically switch to the relevant camera view (e.g., side camera for turn signals, rear camera for reverse).



Figure 5: Multiple camera views displayed simultaneously on the monitor.

4.4 CarPlay & Android Auto

The monitor supports wireless Apple CarPlay and Android Auto. Connect your smartphone via Bluetooth to access navigation, music, calls, and voice commands directly on the 10.1-inch screen. This allows for seamless integration of your phone's features while driving.



Figure 6: Apple CarPlay and Android Auto interfaces on the monitor.

4.5 Bluetooth 5.0 & Navigation

The built-in Bluetooth 5.0 module enables hands-free calling and contact syncing. With CarPlay and Android Auto, you can utilize real-time navigation with traffic and map data updates.



Figure 7: Hands-free calling and GPS navigation features.

Video 3: This video explains how to use the FM function to connect the monitor's audio to the car's stereo system.

4.6 DVR Recording & Parking Monitoring

The system supports DVR recording, local playback, and loop recording. Insert an SD card (not included) or USB drive (not included) to store video footage. The advanced parking monitoring function continuously records and monitors your vehicle's surroundings, providing 24/7 documentation of potential incidents.

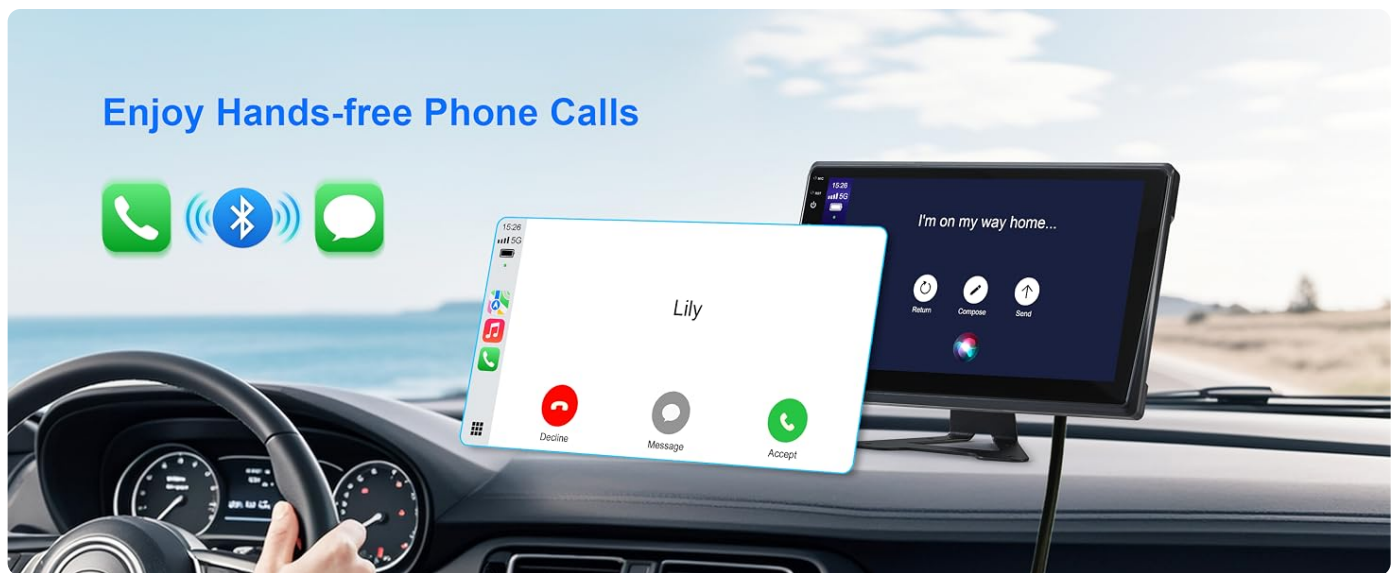


Figure 8: DVR recording and parking monitoring features.

4.7 Adjustable Parking Guidelines

The rear camera view includes adjustable parking assist lines to aid in safe reversing and parking maneuvers.



Figure 9: Adjustable parking guidelines for the rear camera.

5. MAINTENANCE

- **Cleaning:** Regularly clean the monitor screen with a soft, lint-free cloth. For camera lenses, use a soft cloth and mild cleaning solution to remove dirt and debris.
- **SD Card Management:** Periodically format the SD card to maintain optimal recording performance and prevent data corruption. Back up important footage before formatting.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates to ensure your system has the latest features and bug fixes.

6. TROUBLESHOOTING

- **No Signal:** Check all camera and power connections. Ensure the monitor is receiving power and cameras are properly connected to the main cable.
- **Upside-Down Menu After Reset:** If the menu appears upside down after a reset, follow the instructions in Video 4 to correct the display orientation.
- **Interference with FM Audio:** If using the FM transmitter for audio, ensure the frequency is consistent with your car's stereo and avoid frequencies with strong local radio signals.
- **Touch Screen Unresponsive:** Try restarting the monitor. If the issue persists, check for any physical damage or contact support.

Video 4: This video provides a quick fix for an upside-down menu display after a system reset.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	16.5 x 8.5 x 5.5 inches
Item Weight	9.24 pounds
Screen Size	10.1 Inches
Display Technology	LCD
Operating System	Android 13
Camera Resolution	1080P
Number of Cameras	5 (3 rear/front, 2 side)
Camera Type	Wired, Waterproof (IP69K)
Connectivity	Bluetooth 5.0, 5GHz WiFi, Carplay, Android Auto
Special Features	Adjustable Backup Lines, Parking Monitor, DVR Recording, Loop Recording
Voltage	24 Volts

8. WARRANTY AND SUPPORT

VOONOA offers comprehensive customer support for this product:

- **Lifetime Technical Support:** Assistance is available for the lifespan of the product.
- **2-Year Replacement Service:** The product is eligible for replacement within two years of purchase.

- **30-Day Money-Back Guarantee:** If you are not satisfied with your purchase, you may return it within 30 days for a full refund.

For technical assistance or warranty claims, please refer to the contact information provided in your product packaging or visit the official VOONOA website.

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