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> Range Tour B90s Plus 2-in-1 Car Camera User Manual

Range Tour B90s Plus

Range Tour B90s Plus 2-in-1 Car Camera User Manual

Model: B90s Plus | Brand: Range Tour

1. INTRODUCTION

This manual provides detailed instructions for the Range Tour B90s Plus 2-in-1 Car Camera system. This device integrates a front dash camera with a rear view parking camera, displayed on a 4.3-inch TFT LCD screen. It is designed to enhance driving safety and provide recording capabilities for various vehicle types including cars, SUVs, vans, and trucks.

Key features include 1080P front and 480P rear camera recording, a 170° wide-angle adjustable front lens, parking monitor with reverse image display, G-sensor for emergency recording, loop recording, and motion detection.



Image 1.1: Front view of the Range Tour B90s Plus 2-in-1 Car Camera main unit.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Main Dash Camera Unit with 4.3-inch TFT LCD Display
- Rear View Camera (Waterproof with Night Vision)
- Car Charger (Input: 12-24V, Output: 5V)
- Rear Camera Extension Cable (6 meters)
- Mounting Bracket (Suction Cup or Adhesive Type)
- Wiring Tool
- User Manual (This document)

Note: A MicroSD card (up to 32GB) is required for recording but is not included in the package.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. It is recommended to seek professional assistance if you are unsure about any steps.

3.1. Main Unit Installation

1. **Choose Mounting Location:** Select a position on your windshield that does not obstruct your view, typically near the rearview mirror. Ensure the camera lens is within the wiper's operating range for clear visibility during rain.
2. **Attach Mounting Bracket:** Secure the suction cup or adhesive mount to the chosen location on the windshield.
3. **Mount Main Unit:** Attach the main camera unit to the mounting bracket.
4. **Adjust Lens Angle:** The front camera lens can be manually rotated up, down, left, and right to achieve the desired recording angle.



Image 3.1: Main unit mounted on the windshield, showing the display.

3.2. Rear Camera Installation

1. **Mount Rear Camera:** Install the rear camera at the back of your vehicle, typically above the license plate or on the rear window, ensuring a clear view.
2. **Route Cable:** Connect the rear camera to the main unit using the provided 6-meter extension cable. Carefully route the cable along the vehicle's interior trim to conceal it and prevent interference.
3. **Connect to Reverse Light:** For the parking monitor function, connect the red wire of the rear camera cable to the positive terminal of your vehicle's reverse light. Connect the black wire to the negative terminal or a suitable ground point.
4. **Connect to Main Unit:** Plug the AV-IN connector of the rear camera cable into the corresponding port on the main dash camera unit.



Image 3.2: Diagram illustrating recommended front and rear camera mounting positions and wiring connections.

3.3. Power Connection

1. **Insert MicroSD Card:** Before powering on, insert a MicroSD card (Class 10 or higher, up to 32GB) into the designated slot on the main unit.
2. **Connect Car Charger:** Plug the car charger into your vehicle's cigarette lighter socket. Connect the other end to the main dash camera unit. The device will typically power on automatically with the vehicle's ignition.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the device's functions for effective use.

4.1. Power On/Off

- **Automatic:** The device powers on automatically when the car engine starts and powers off when the engine is turned off.
- **Manual:** Press and hold the power button (location varies by model, refer to device layout) to manually turn the device on or off.

4.2. Recording Modes

- **Loop Recording:** The camera continuously records video in short segments (e.g., 1, 3, or 5 minutes). When the memory card is full, the oldest unlocked files are overwritten.
- **G-Sensor (Emergency Recording):** In the event of a sudden impact or collision, the built-in G-sensor automatically detects the event and locks the current video file, preventing it from being overwritten by loop recording.
- **Motion Detection:** When enabled, the camera will automatically start recording if it detects movement in front of the vehicle while parked. This feature requires a continuous power supply.



Image 4.1: Visual representation of Loop Recording, G-Sensor, and Motion Detection functionalities.

4.3. Parking Monitor / Reverse Image

- When the vehicle is shifted into reverse gear, the display will automatically switch to the rear camera view, often showing parking guidelines to assist with safe parking.
- The waterproof rear camera provides clear visibility, including night vision capabilities.

REVERSE IMAGE

- Reversing safer
- Reduce the risk of reversing
- Accurate judgment



Image 4.2: The 4.3-inch screen displaying the reverse image with parking assistance lines.

4.4. Menu Navigation

Use the physical buttons on the device (refer to your device's specific button layout) to navigate through the menu options. Common settings include:

- Video Resolution (e.g., 1080P, 480P)
- Loop Recording Duration
- G-Sensor Sensitivity
- Motion Detection On/Off
- Date/Time Stamp
- Screen Saver

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your car camera system.

- **Cleaning:** Use a soft, dry cloth to clean the camera lenses and the display screen. Avoid using abrasive cleaners or solvents.
- **Memory Card:** Regularly format your MicroSD card (at least once a month) to prevent data corruption and ensure smooth recording. Back up any important files before formatting.
- **Temperature:** Avoid exposing the device to extreme temperatures (very hot or very cold) for extended periods, as this can affect battery life and component integrity.
- **Firmware Updates:** Check the manufacturer's website periodically for any available firmware updates to improve performance and add new features.

6. TROUBLESHOOTING

If you encounter issues with your Range Tour B90s Plus, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	No power, faulty car charger, loose connection.	Check car charger connection and ensure the vehicle's cigarette lighter socket is functional. Try a different power source if available.
Recording stops or is intermittent.	Memory card full, slow card speed, card error.	Format the MicroSD card. Ensure you are using a Class 10 or higher speed card. Replace the card if errors persist.
Rear camera not displaying or showing black screen.	Loose cable connection, incorrect wiring to reverse light, faulty camera.	Check all connections of the rear camera cable to the main unit and to the vehicle's reverse light. Ensure the red wire is connected to the positive terminal of the reverse light.
Poor image quality (blurry, unclear).	Dirty lens, protective film still on lens, incorrect resolution setting.	Clean the camera lenses. Remove any protective film. Check video resolution settings in the menu.
Buttons are unresponsive.	Device frozen, software issue.	Try resetting the device (if a reset button is available) or disconnect and reconnect power.

7. SPECIFICATIONS

Technical specifications for the Range Tour B90s Plus 2-in-1 Car Camera:

Feature	Detail
Brand	Range Tour
Model Number	B90s Plus

Feature	Detail
Display Size	4.3 inches
Display Technology	TFT LCD
Front Camera Video Resolution	1080p
Rear Camera Video Resolution	480p
Front Camera Viewing Angle	170 Degrees
Special Features	Parking Monitor, Reverse Image, Waterproof Rear Camera with Night Vision, G-Sensor, Loop Recording, Motion Detection
Compatible Devices	Car, Truck, SUV, Van
Memory Card Type	MicroSD (Secure Digital Card)
Max Memory Card Support	32GB (not included)
Input Voltage	12-24V (via car charger)
Battery	400 mAh Polymer Battery (for emergency power/parking monitor)
Mounting Type	Windshield Mount
Product Dimensions	11.5 x 4.5 x 9 cm
Product Weight	520 g

8. WARRANTY AND SUPPORT

Range Tour is committed to customer satisfaction.

- **Refund Policy:** The product is covered by a 30-day refund policy.
- **Warranty:** A 12-month warranty is provided from the date of purchase.
- **Customer Service:** For any issues, questions, or support needs, please contact Range Tour directly. Your satisfaction is our priority.

