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ACV 771000-6513

ACV 7.2-inch Mirror Car Camera User Manual (Model 771000-6513)

Comprehensive instructions for your ACV Mirror Car Camera.

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ACV 7.2-inch Mirror Car Camera. Please read this manual thoroughly before using the product to ensure proper function and safety. This device integrates a high-resolution display into a rearview mirror, offering multiple camera inputs and advanced features for enhanced vehicle visibility.



Image 1: Front view of the ACV 7.2-inch Mirror Car Camera, showing the reflective surface and control buttons at the bottom.

PRODUCT FEATURES

- 7.2-inch mirror display with an OEM-style design.
- Split-screen functionality for simultaneous viewing of multiple camera feeds.
- Extremely bright display (2000-2600 Lux) with automatic brightness adjustment for optimal visibility in various lighting conditions.
- Automatic power-on via trigger function, ideal for integration with reverse gear.
- Includes a remote control for convenient operation.
- Deactivatable and adjustable guide lines to assist with parking maneuvers.

- Camera view switching via dedicated button or trigger function.
- Supports 4 standard video inputs (e.g., front, side cameras) and 1 AHD camera input for high-definition video.
- High resolution of 1280 x 480 pixels with a 16:9 aspect ratio.
- Compatible with PAL/NTSC video systems (automatic detection).
- Operates on a 12V DC power supply with a maximum current consumption of 800 mA.
- Designed for a wide operating temperature range: -20 °C to +75 °C.
- Storage temperature range: -40 °C to +85 °C.
- Compact dimensions (L x W x H): 270 mm x 85 mm x 50 mm (excluding mount).

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- ACV 7.2-inch Mirror Monitor (Model 771000-6513)
- Universal Mirror Mount with adhesive plate
- Remote Control
- Wiring Harness (for power and video connections)
- Installation Accessories (e.g., cable ties, small tools)



Image 2: Overview of the ACV Mirror Car Camera package contents, including the mirror, wiring, mount, and accessories.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended to have this product installed by a qualified professional to ensure correct wiring and secure mounting.

Mounting the Mirror Monitor

The mirror monitor includes a universal rearview mirror mount designed for attachment to the windshield. Vehicle-specific mounts may be available separately for certain vehicle models. Ensure the mounting surface is clean, dry, and free of obstructions before attachment.

1. Thoroughly clean the designated area on your windshield where the mirror will be mounted.
2. Attach the universal mirror mount to the windshield using the provided adhesive plate. Apply firm pressure and allow sufficient time for the adhesive to cure as per the manufacturer's instructions (typically 24 hours).
3. Once the mount is securely fixed, carefully attach the ACV mirror monitor to the installed mount. Ensure it clicks into place or is tightened securely.



Image 3: Rear view of the mirror monitor, showing the attachment point for the universal mount.



Image 4: Side profile of the mirror monitor, illustrating the adjustable mount.

Wiring Connections

Connect the wiring harness according to your vehicle's electrical system and the cameras you intend to use. Refer to the wiring diagram provided with the product for detailed connections.

- **Power Connection:** Connect the red wire to a switched 12V DC power source and the black wire to a reliable ground point in your vehicle.
- **Video Inputs:** Connect your standard video sources (e.g., front camera, side cameras) to the designated video input ports (typically RCA connectors).
- **AHD Camera Input:** If you are using an AHD (Analog High Definition) camera, connect it to the specific AHD input port for optimal image quality.
- **Trigger Wires:** Connect the trigger wires (e.g., to the reverse light circuit) to enable automatic camera switching when certain vehicle actions occur (e.g., shifting into reverse).

Route all cables carefully to prevent interference with vehicle operation, avoid pinching, and protect them from heat or sharp edges. Secure loose cables with cable ties to maintain a tidy and safe installation.

OPERATING INSTRUCTIONS

Familiarize yourself with the monitor's controls and functions for effective use.

Powering On/Off

- **Manual Operation:** Press the power button located on the bottom of the mirror or on the remote control to turn the monitor on or off.
- **Automatic Operation:** If connected to a trigger wire (e.g., reverse light), the monitor will automatically power on and display the corresponding camera feed when the trigger is activated.

Adjusting Brightness

The monitor features an automatic brightness adjustment function that adapts to ambient light conditions. For manual adjustments:

- Use the brightness control buttons on the remote control.
- Access the on-screen display (OSD) menu via the remote control to fine-tune brightness settings.

Switching Camera Views

To cycle through the connected camera inputs:

- Press the camera switch button on the mirror unit.
- Use the dedicated input selection buttons on the remote control.
- When a trigger wire is activated (e.g., reverse gear engaged), the monitor will automatically switch to the designated camera view.

Split Screen Function

The 7.2-inch display supports split-screen functionality, allowing you to view feeds from multiple cameras simultaneously. To activate and configure split-screen:

- Access the OSD menu using the remote control.
- Navigate to the split-screen settings to select desired camera combinations and layout options.

Guide Lines

Parking guide lines can be enabled, disabled, and adjusted to assist with parking maneuvers. These settings are typically found within the OSD menu, accessible via the remote control. You can adjust their position and width to match your vehicle and camera perspective.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your ACV Mirror Car Camera.

- **Cleaning the Mirror:** Use a soft, lint-free, dry cloth to gently wipe the mirror surface. For more stubborn marks, lightly dampen the cloth with water. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the display coating.
- **Cable Inspection:** Periodically inspect all connected cables and wiring harnesses for any signs of wear, fraying, or damage. Ensure all connections remain secure.
- **Temperature Management:** Avoid exposing the device to extreme temperatures outside its specified operating range (-20 °C to +75 °C) for extended periods. Prolonged exposure to direct sunlight in a parked vehicle can also generate excessive heat.

TROUBLESHOOTING

If you encounter issues with your ACV Mirror Car Camera, refer to the following common troubleshooting steps:

- **No Power:**
 - Check all power connections to ensure they are securely attached.
 - Verify that the 12V DC power supply is active and providing power to the unit.
 - Check the vehicle's fuse box for any blown fuses related to the power circuit.
- **No Image Displayed:**
 - Ensure all camera connections are properly seated and secure.
 - Verify that the connected cameras are powered on and functioning correctly.
 - Confirm that the correct video input source is selected on the monitor (manual switch or remote control).
- **Flickering or Distorted Image:**
 - Ensure a stable 12V DC power supply to the monitor and cameras.
 - Check the video system settings (PAL/NTSC) in the monitor's menu to ensure it matches your camera's output.
 - Inspect video cables for damage or loose connections.
- **Incorrect or Missing Guide Lines:**
 - Access the monitor's OSD menu via the remote control.
 - Navigate to the guide line settings to activate, deactivate, or adjust their position and width.
- **Remote Control Not Responding:**
 - Check and replace the battery in the remote control if necessary.
 - Ensure there are no obstructions between the remote control and the monitor's infrared (IR) receiver.

If these steps do not resolve the issue, please contact ACV customer support for further assistance.

TECHNICAL SPECIFICATIONS

Feature	Specification
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Feature	Specification
Brand	ACV
Model Name	771000-6513
Screen Size	7.2 inches
Resolution	1280 x 480
Aspect Ratio	16:9
Brightness	2000-2600 Lux
Video System	PAL/NTSC (Automatic Detection)
Video Inputs	4 (Standard Video) + 1 (AHD Camera)
Power Supply	12V DC
Current Consumption	Max. 800 mA
Operating Temperature	-20 °C to +75 °C
Storage Temperature	-40 °C to +85 °C
Dimensions (L x W x H)	270 mm x 85 mm x 50 mm (without mount)
Color	Black
Control Method	Remote Control
Compatible Devices	Monitor
Video Recording Resolution	480p (Note: This refers to the input resolution for standard video, AHD input will be higher quality)

WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the warranty card or documentation included with your ACV Mirror Car Camera purchase. Keep your proof of purchase, such as your receipt or order confirmation, as it will be required for any warranty claims.

For technical support, troubleshooting assistance beyond what is provided in this manual, or inquiries about replacement parts, please contact ACV customer service. Contact information can typically be found on the product packaging, the official ACV website, or your purchase documentation.