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› Aramox Car Front View Camera Switcher Smart Converter Instruction Manual

Aramox Aramox6n8e0ohatr

Aramox Car Front View Camera Switcher Smart Converter Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Aramox Car Front View Camera Switcher Smart Converter. This device is designed to enhance vehicle safety by intelligently managing front and rear camera views on compatible monitors. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW

The Aramox Car Front View Camera Switcher Smart Converter is a control box that integrates front and rear view camera feeds for display on your vehicle's monitor. It offers automatic switching based on driving conditions and a manual front view mode.

2.1 Key Features

- Automatic activation of front camera for 8 seconds upon engine start.
- Automatic activation of rear camera when reversing.
- Automatic switch from rear to front camera view for 15 seconds after shifting out of reverse.
- Manual front view mode via a control switch.
- Compatible with vehicles equipped with a monitor and reversing camera.
- Designed for simple installation.

2.2 Package Contents

Verify that all components are present before proceeding with installation:

- 1 x Aramox Car Front View Camera Switcher Smart Converter Control Box
- 1 x Power/Signal Cable Harness
- 1 x Front Camera Video Input Cable (RCA)
- 1 x Rear Camera Video Input Cable (RCA)

- 1 x Video Output Cable (RCA)
- 1 x Control Switch Button



Car Camera Control System

- The front view always activates the mode:
Push the control switch to enter the front mode, and exit the mode by pressing again.
- Widely used, suitable for vehicles with monitor and reversing camera
- Wiring Instructions:
Red Wire: ACC power positive pole.
Black Wire: ACC power negative pole, ground wire.
Blue Wire: Reverse light.

Figure 1: Aramox Control Box and included wiring harnesses and video cables.

3. SETUP AND INSTALLATION

Proper installation is crucial for the correct operation of the camera switcher. It is recommended that installation be performed by a qualified technician. Ensure the vehicle's power is disconnected before beginning installation.

3.1 Wiring Diagram

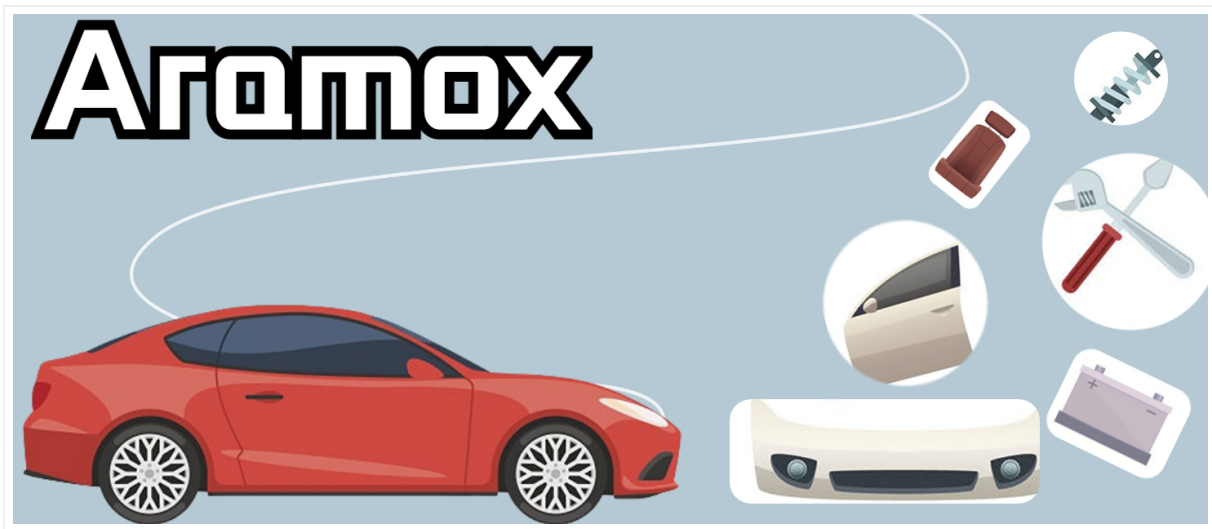


Figure 2: Comprehensive wiring diagram for the control box connections.

3.2 Connection Instructions

1. Power Connection:

- Connect the **Red Wire** to the vehicle's ACC (Accessory) power positive pole (+12V).
- Connect the **Black Wire** to the vehicle's ACC power negative pole (Ground).

2. Reverse Signal:

- Connect the **Blue Wire** to the vehicle's reverse light positive wire (+12V when reverse is engaged).

3. Camera Inputs:

- Connect the Front Camera's video output (RCA) to the "Front Cam-in" port on the control box.
- Connect the Rear Camera's video output (RCA) to the "Rear Cam-in" port on the control box.

4. Video Output to Monitor:

- Connect the "Video Out-put" port on the control box (RCA) to the video input of your vehicle's monitor.

5. Monitor Trigger (Optional/If applicable):

- If your monitor requires a trigger signal for reverse, connect the "Monitor trigger" wire from the control box to the monitor's reverse trigger input.

6. Control Switch:

- Connect the provided control switch button to its designated port on the control box. This switch is used for manual front view mode.

7. Camera Power Supply:

- The control box provides 12V+ outputs for powering the front and rear cameras. Connect the respective camera power wires to these outputs.

Ensure all connections are secure and properly insulated to prevent short circuits.

4. OPERATING INSTRUCTIONS

The Aramox Car Front View Camera Switcher operates automatically based on vehicle status, with an option for manual control.

4.1 Automatic Front View Activation



Figure 3: Automatic front view display upon engine start.

When the vehicle engine is started, the system will automatically activate the monitor and display the front camera view for approximately 8 seconds. After this duration, the system will turn off the front camera display, returning to the monitor's previous state or turning off if no other input is active.

4.2 Automatic Rear View Activation

Automatic rear view:

When reversing, the system automatically activated rear view camera



Figure 4: Automatic rear view display when reversing.

When the vehicle is shifted into reverse gear, the system will automatically activate the rear view camera and display its feed on the monitor. After shifting out of reverse, the system will automatically switch to the front camera view for approximately 15 seconds before turning off.

4.3 Manual Front View Mode

To manually activate the front camera view at any time:

- Press the external control switch button. The system will enter front view mode, continuously displaying the front camera feed.
- To exit manual front view mode, press the control switch button again. The system will return to its default state or turn off the display.

5. TROUBLESHOOTING

If you encounter issues with your Aramox Car Front View Camera Switcher, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No camera display or blank screen.	<ul style="list-style-type: none"> Incorrect power connection. Loose video cables. Faulty camera or monitor. Incorrect video input selected on monitor. 	<ul style="list-style-type: none"> Verify Red and Black wires are connected to correct ACC power and ground. Check all RCA video connections for secure fit. Test cameras and monitor independently if possible. Ensure monitor is set to the correct video input channel.
Front camera does not activate automatically on engine start.	<ul style="list-style-type: none"> Incorrect ACC power connection. Control box malfunction. 	<ul style="list-style-type: none"> Confirm Red wire is connected to a switched 12V source (ACC). Contact support if all connections are correct.
Rear camera does not activate when reversing.	<ul style="list-style-type: none"> Blue wire (reverse trigger) not connected or faulty. Loose rear camera video connection. 	<ul style="list-style-type: none"> Verify Blue wire is connected to the reverse light positive and receives 12V when reversing. Check rear camera RCA connection.
Manual front view mode does not work.	<ul style="list-style-type: none"> Control switch not connected or faulty. Front camera not powered or connected. 	<ul style="list-style-type: none"> Ensure the control switch is securely connected. Verify front camera power and video connections.
Video signal is distorted or unclear.	<ul style="list-style-type: none"> Poor cable quality or interference. Faulty camera. Improper grounding. 	<ul style="list-style-type: none"> Use high-quality shielded RCA cables. Ensure all ground connections are solid. Test with a different camera if possible.

6. SPECIFICATIONS

Feature	Detail
Model Number	Aramox6n8e0ohatr
Input Voltage	12 Volts
Compatible Devices	Monitor
Connector Type	RCA
Installation Type	Surface Mount
Item Weight	7.4 ounces
Manufacturer	Aramox

7. WARRANTY AND SUPPORT

Aramox is committed to customer satisfaction. If you encounter any issues with the product's installation or quality, please contact Aramox customer support. We provide technical assistance and will work to resolve any problems

as quickly as possible.

For support, please refer to the contact information provided with your purchase or visit the official Aramox website.