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› Jadeshay Car Video Switch Converter Instruction Manual

Jadeshay Jadeshayhxbuts1iy4

Jadeshay 4-Input Car Video Switch Converter Instruction Manual

Model: Jadeshayhxbuts1iy4

1. INTRODUCTION

This manual provides detailed instructions for the Jadeshay 4-Input Car Video Switch Converter, model Jadeshayhxbuts1iy4. This device is designed to integrate multiple camera views (left, right, rear, front) into your vehicle's display system, offering enhanced visibility and safety. It features automatic switching based on vehicle signals and includes protection circuits for both the device and connected cameras.



Image 1.1: The Jadeshay 4-Input Car Video Switch Converter, remote control, and associated wiring, displayed in a vehicle dashboard setting.

2. PRODUCT FEATURES

- **4 Video Inputs:** Supports left, right, rear, and front view cameras. Each input provides a +12V power supply for the connected camera.
- **Single Video Output:** All four inputs share one video output channel, which includes a power activation line for the display.
- **Intelligent Switching:** Automatically detects left/right turn signals and reverse gear to switch to the corresponding video channel.
- **Front View Display:** After exiting reverse, the system can display the front view for approximately 7 seconds (this function is selectable).
- **Power Protection:** Integrated power protection circuits safeguard both the video switch and connected cameras, as well as the vehicle's electrical system.
- **Wireless Remote Control:** Simplifies operation and camera selection.
- **Wide Voltage Input:** Operates with an 8-16V DC power input. For large vehicles requiring 24V, a 24V to 12V converter must be used (not included).



Image 2.1: The video switch converter with key features listed, including power protection and wireless remote control.

3. SETUP AND INSTALLATION

Careful installation is crucial for optimal performance. Refer to the wiring diagram below and follow these steps:

3.1 Wiring Diagram Overview

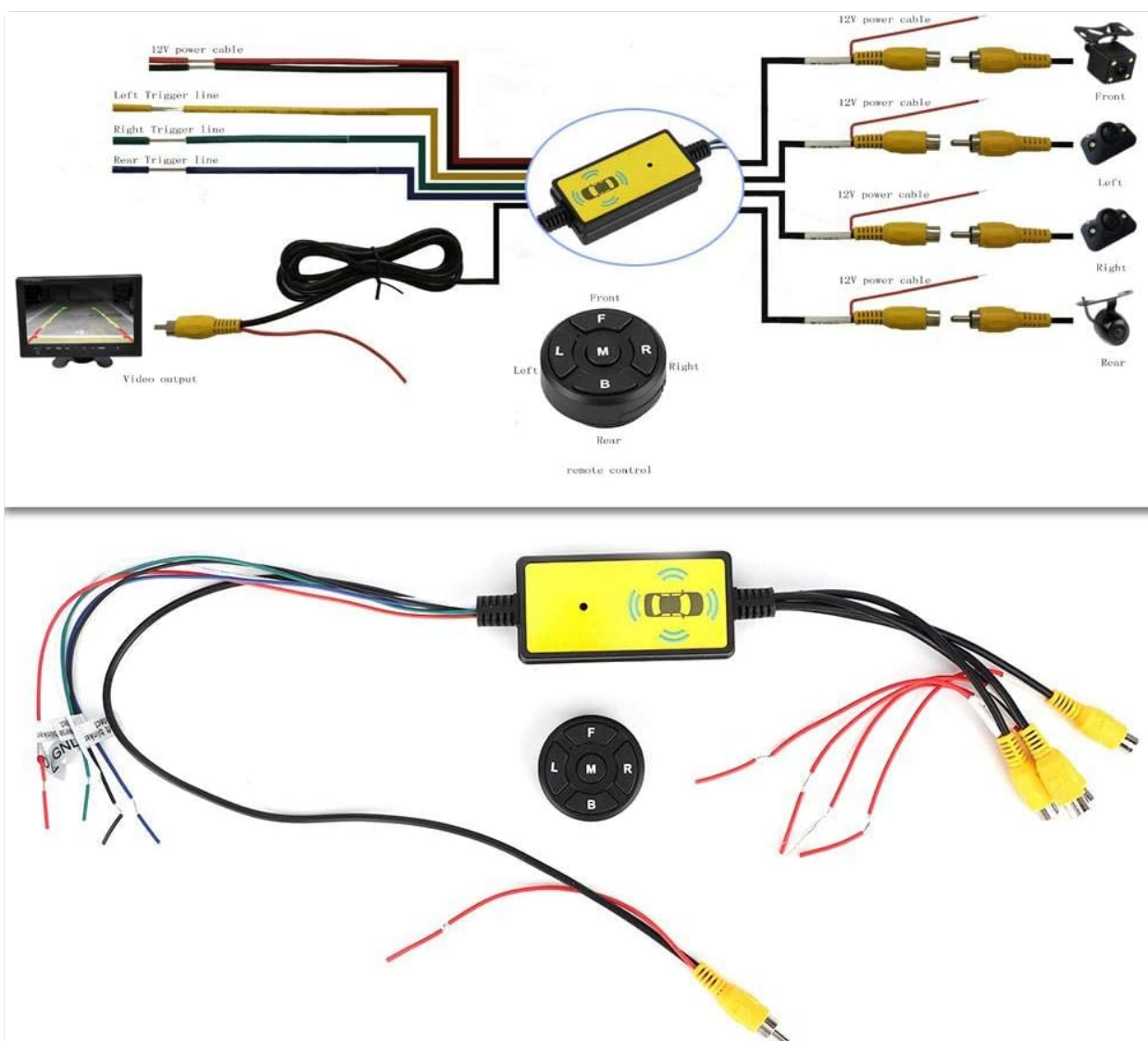


Image 3.1: Comprehensive wiring diagram illustrating connections for power, trigger lines, and camera inputs/outputs.

3.2 Connection Steps

1. Power Connection:

- Connect the **Red wire** to the vehicle's +12V positive power supply.
- Connect the **Black wire** to the vehicle's GND (negative) terminal.
- Ensure the power input is within the 8-16V DC range. For 24V vehicles, a step-down converter (24V to 12V) is required.

2. Camera Input Connections:

- Connect your Left, Right, Rear, and Front cameras to their respective yellow RCA input jacks on the converter.
- Each camera input group provides a +12V power line for the camera. Connect the camera's power input to this line.

3. Trigger Signal Connections:

- Connect the **Red wire** to the vehicle's left turn signal.
- Connect the **Green wire** to the vehicle's right turn signal.
- Connect the **Blue wire** to the vehicle's reverse signal.

4. Video Output Connection:

- Connect the single yellow RCA video output from the converter to your vehicle's display unit (monitor, head unit, etc.).
- The converter also provides a power activation line for the display, which should be connected to your display's trigger input if available.

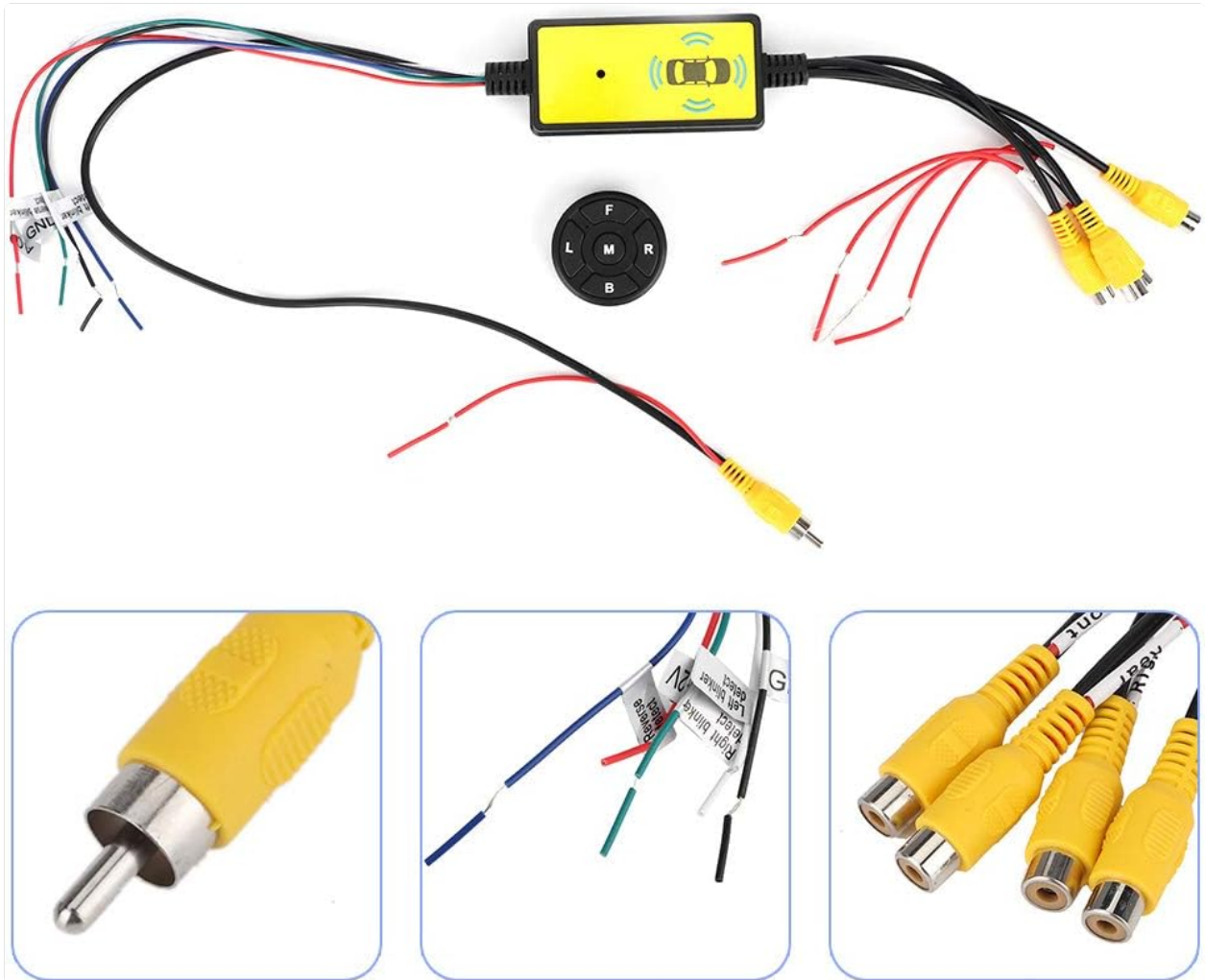


Image 3.2: Detailed view of the RCA connectors and the color-coded wiring for easy identification during installation.

4. OPERATING INSTRUCTIONS

The Jadeshay Car Video Switch Converter offers both automatic and manual control over camera views.

4.1 Automatic Switching

- **Reverse Gear:** When the vehicle is put into reverse, the system automatically switches to the rear camera view.
- **Turn Signals:** Activating the left or right turn signal will automatically switch the display to the corresponding side camera view.
- **Front View After Reverse:** After disengaging reverse gear, the system can be configured to display the front camera view for approximately 7 seconds before returning to its default state (video output off).

4.2 Wireless Remote Control

The included wireless remote control allows for manual selection of camera views. The remote is powered by a CR2025 battery.

- **F (Front):** Press to display the front camera view.

- **L (Left):** Press to display the left camera view.
- **R (Right):** Press to display the right camera view.
- **B (Rear):** Press to display the rear camera view.
- **M (Mode/Menu):** This button may cycle through views or activate a menu if supported by your display. Refer to your display's manual for specific functionality.



- 4 video outputs are shared with one video channel with the same power trigger line.
- Add more video inputs for cameras when it's connected with video interface for different car models.

Image 4.1: The video switch converter integrated into a vehicle's dashboard, with the display showing a camera view.

5. MAINTENANCE

To ensure the longevity and proper functioning of your Jadeshay Car Video Switch Converter, follow these simple maintenance guidelines:

- **Keep Clean:** Periodically wipe the unit with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Check Connections:** Ensure all wiring connections remain secure and free from corrosion. Loose connections can lead to intermittent operation.
- **Remote Control Battery:** The wireless remote control uses a CR2025 coin cell battery. If the remote's functionality degrades, replace the battery. To replace, open the battery compartment on the back of the remote and insert a new CR2025 battery with the correct polarity.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for

prolonged periods, or excessive moisture.

6. TROUBLESHOOTING

If you encounter issues with your Jadeshay Car Video Switch Converter, refer to the following troubleshooting tips:

- **No Video Output:**

- Verify all power connections (+12V and GND) are secure and receiving power.
- Check the video output RCA cable connection to your display.
- Ensure your display is set to the correct video input channel.
- Confirm that the cameras themselves are powered and functioning correctly.

- **Incorrect or No Automatic Switching:**

- Inspect the trigger signal wires (white, green, blue) for secure connections to the vehicle's turn signals and reverse light.
- Ensure these trigger lines are receiving the correct voltage when activated.
- Verify that the cameras connected to the specific inputs are working.

- **Remote Control Not Working:**

- Replace the CR2025 battery in the remote control.
- Ensure there are no obstructions between the remote and the video switch unit.

- **Only Some Cameras Displaying:**

- Check the RCA connections for the non-displaying cameras.
- Verify that the non-displaying cameras are receiving power from the converter's +12V camera power lines.
- Test the individual cameras directly if possible to rule out camera malfunction.

7. SPECIFICATIONS

Feature	Specification
Brand	Jadeshay
Model Number	Jadeshayhxbuts1iy4
Type of Element	Video Switch
Material	ABS
Video Inputs	4 (Left, Right, Rear, Front)
Video Output	1
Input Voltage	8-16V DC (24V to 12V converter required for large vehicles)
Remote Control Battery	CR2025 (included)

Feature	Specification
Special Features	Wireless Control, Power Protection Circuits
Compatible Devices	DVD player, projector, camcorder, TV, monitor, satellite receiver, camera, Blu-ray player
Connector Type	RCA
Installation Type	Wired (with wireless remote)

8. WARRANTY AND SUPPORT

Warranty information for the Jadeshay Car Video Switch Converter is not explicitly detailed in this manual. For specific warranty terms, duration, and claim procedures, please refer to the product packaging or contact your point of purchase.

For technical support, installation assistance, or any other inquiries, please contact the seller or manufacturer directly. Keep your purchase receipt or order details handy as they may be required for support or warranty claims.