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› EWAY 20ft RCA Video Extension Cable User Manual

EWAY RCA-KIT

EWAY 20ft RCA Video Extension Cable User Manual

Model: RCA-KIT

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EWAY 20ft RCA Video Extension Cable. This cable is designed to facilitate the connection of car reverse rear view backup cameras to aftermarket radio monitors or head units, ensuring clear video transmission and proper system integration.

PRODUCT OVERVIEW

Components Included

The EWAY 20ft RCA Video Extension Cable kit includes the following components:

- 20ft (6 meters) RCA Video Extension Cable with male-to-male ends and integrated trigger wire.
- Female-to-female RCA Coupler Adapter.
- Male DC Power Connector with red (12V+) and black (ground) leads.



Image: The EWAY 20ft RCA Video Extension Cable kit, showing the main cable, the female-to-female RCA coupler, and the DC power connector.

Key Features

- **Wide Compatibility:** Designed for vehicle front/rear view backup cameras, CCTV, surveillance cameras, DVD players, head units, car radios, and parking monitors with yellow RCA connectors.
- **Integrated Trigger Wire:** Allows the car reversing signal to be sent to a GPS navigator or head unit, activating the monitor to display camera images when the vehicle is in reverse gear.
- **High Video Quality:** Features nickel-plated plugs for precise signal transmission and dual shielding (copper braided and aluminum foil) to significantly reduce electromagnetic interference (EMI) and radio-frequency interference (RFI).
- **Optimal Length:** The 20-foot (6-meter) length is suitable for wiring needs in mid-size vehicles such as regular passenger cars, SUVs, sedans, and pickups for front, side, or rear camera installations.
- **Easy Installation Kit:** Includes a female-to-female RCA extension coupler for connecting two male RCA cables and a male DC power connector for camera power.

WIRING RANGE UP TO 20FT

Suitable for mid-size vehicles

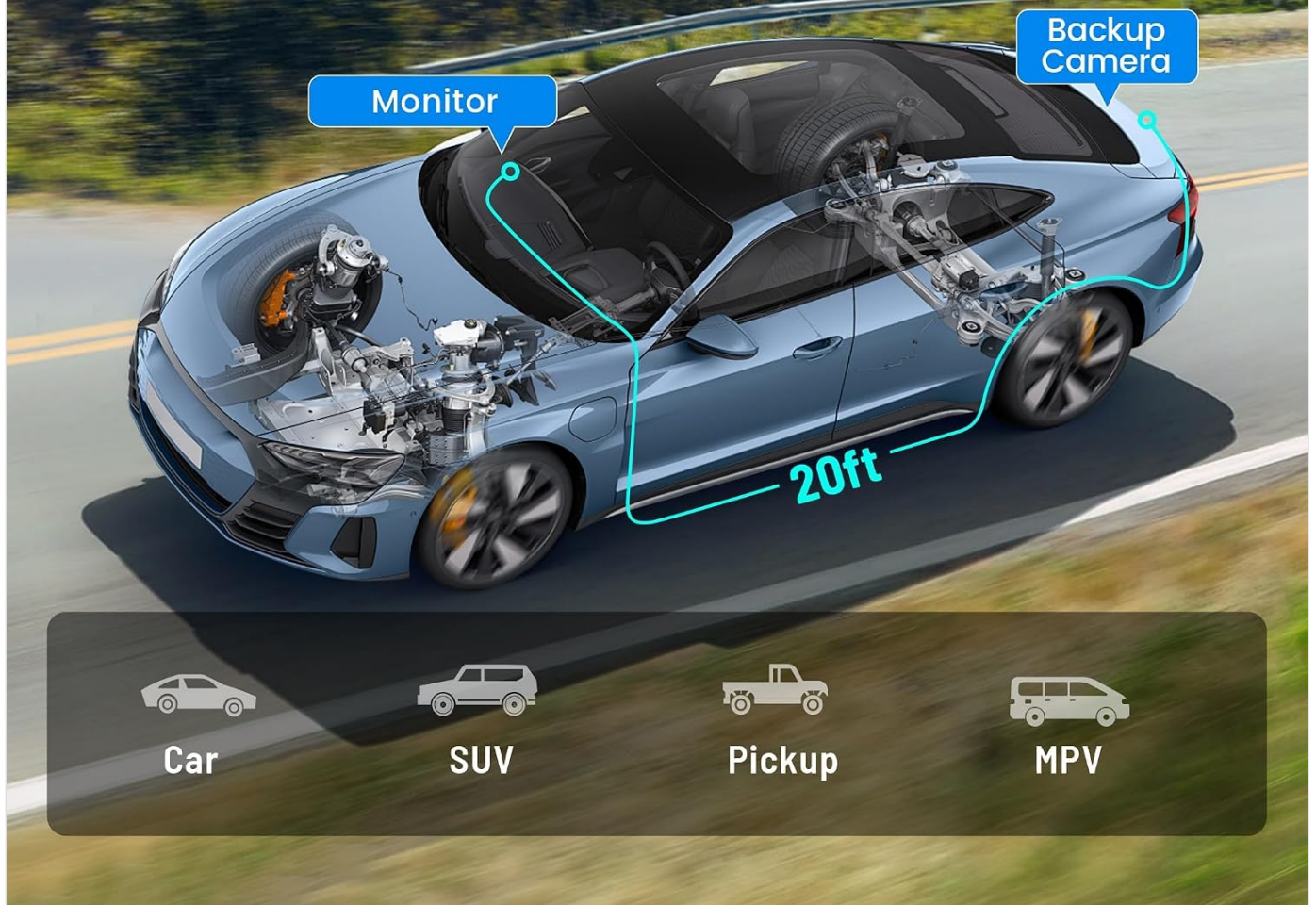


Image: A visual representation of the 20ft wiring range, illustrating its suitability for various mid-size vehicles including cars, SUVs, pickups, and MPVs, with the cable connecting a backup camera to a monitor.

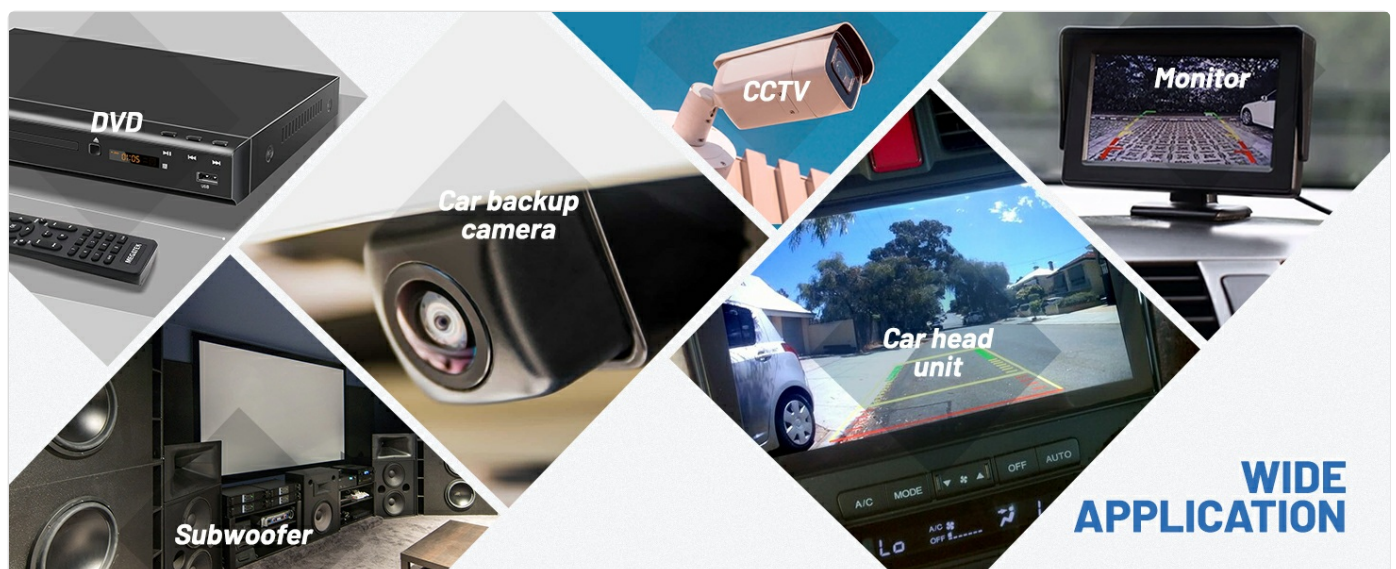


Image: A collage demonstrating the wide application of the RCA cable, including connections to DVD players, CCTV systems, car backup cameras, car head units, monitors, and subwoofers.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these steps carefully based on your monitor's configuration.

Installation for Monitor Without Trigger Wire

If your monitor or head unit does not have a dedicated trigger wire input, follow this connection method:

1. Connect the yellow RCA male end of the 20ft extension cable to the video output of your backup camera.
2. Connect the other yellow RCA male end of the 20ft extension cable to the video input (yellow RCA) of your monitor or head unit.
3. Connect the DC power connector (red and black leads) to the power input of your backup camera. The red wire connects to a 12V+ power source (e.g., reverse light positive), and the black wire connects to ground.
4. Ensure the monitor's power cable is connected to its respective power source (DC 12V+ and GND).
5. The trigger wire integrated into the RCA cable will not be used in this setup.

FOR MONITOR WITHOUT TRIGGER WIRE

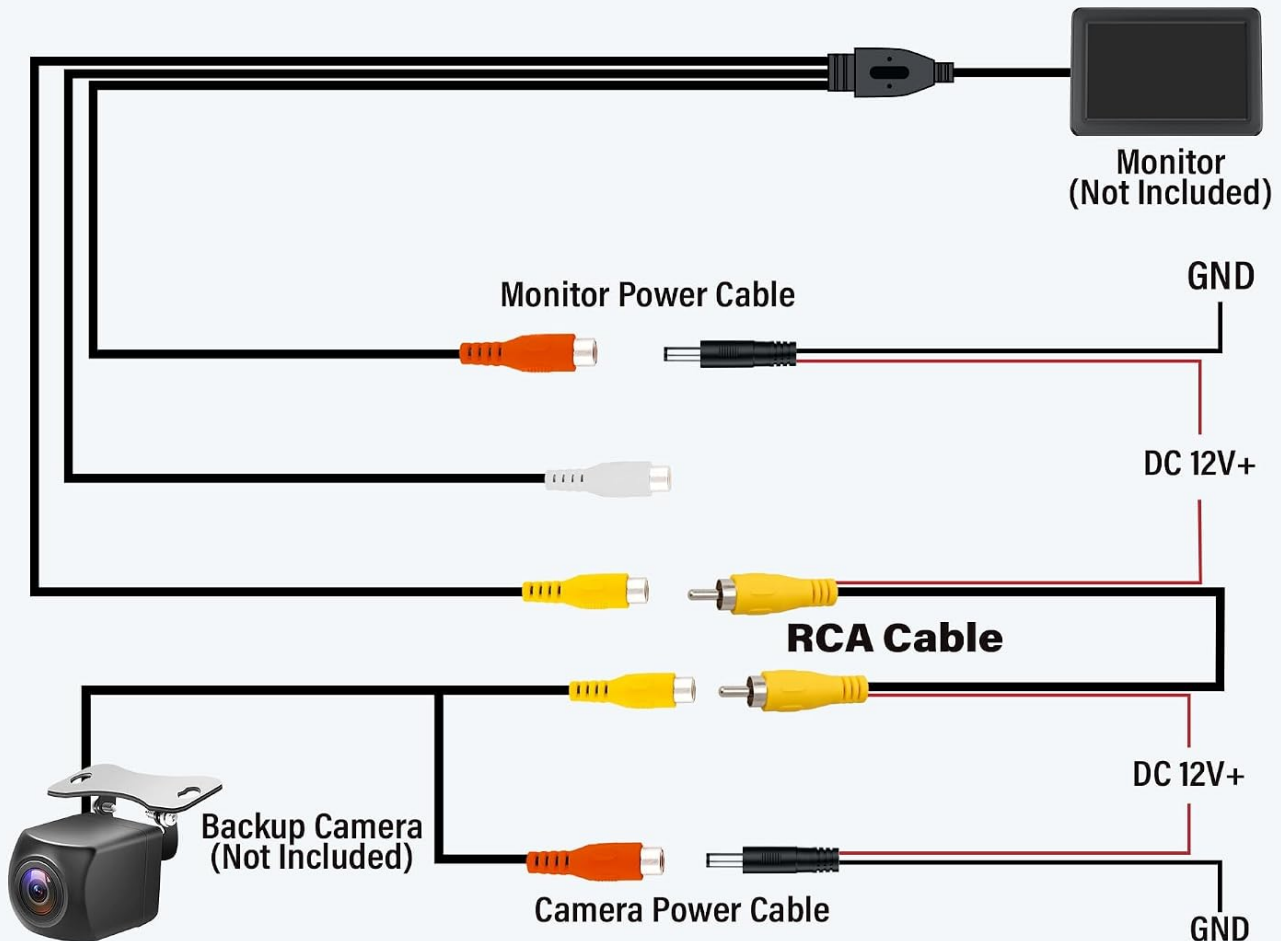


Image: A detailed wiring diagram illustrating how to connect the EWAY RCA video extension cable to a backup camera and a monitor that does not have a trigger wire input. It shows connections for video, camera power, and monitor power.

Installation for Monitor With Trigger Wire

If your monitor or head unit has a dedicated trigger wire input, this connection method allows for automatic display switching when reversing:

1. Connect the yellow RCA male end of the 20ft extension cable to the video output of your backup camera.
2. Connect the other yellow RCA male end of the 20ft extension cable to the video input (yellow RCA) of your car radio or monitor.
3. Connect the trigger wire (usually red, integrated with the RCA cable) from the camera side to the positive lead of your car's reverse light.
4. Connect the trigger wire from the monitor/head unit side to the reverse trigger input of your car radio or monitor.
5. Connect the DC power connector (red and black leads) to the power input of your backup camera. The red wire connects to a 12V+ power source (e.g., reverse light positive), and the black wire connects to ground.
6. Ensure the car radio/monitor's power and ground connections are properly established.

FOR MONITOR WITH TRIGGER WIRE

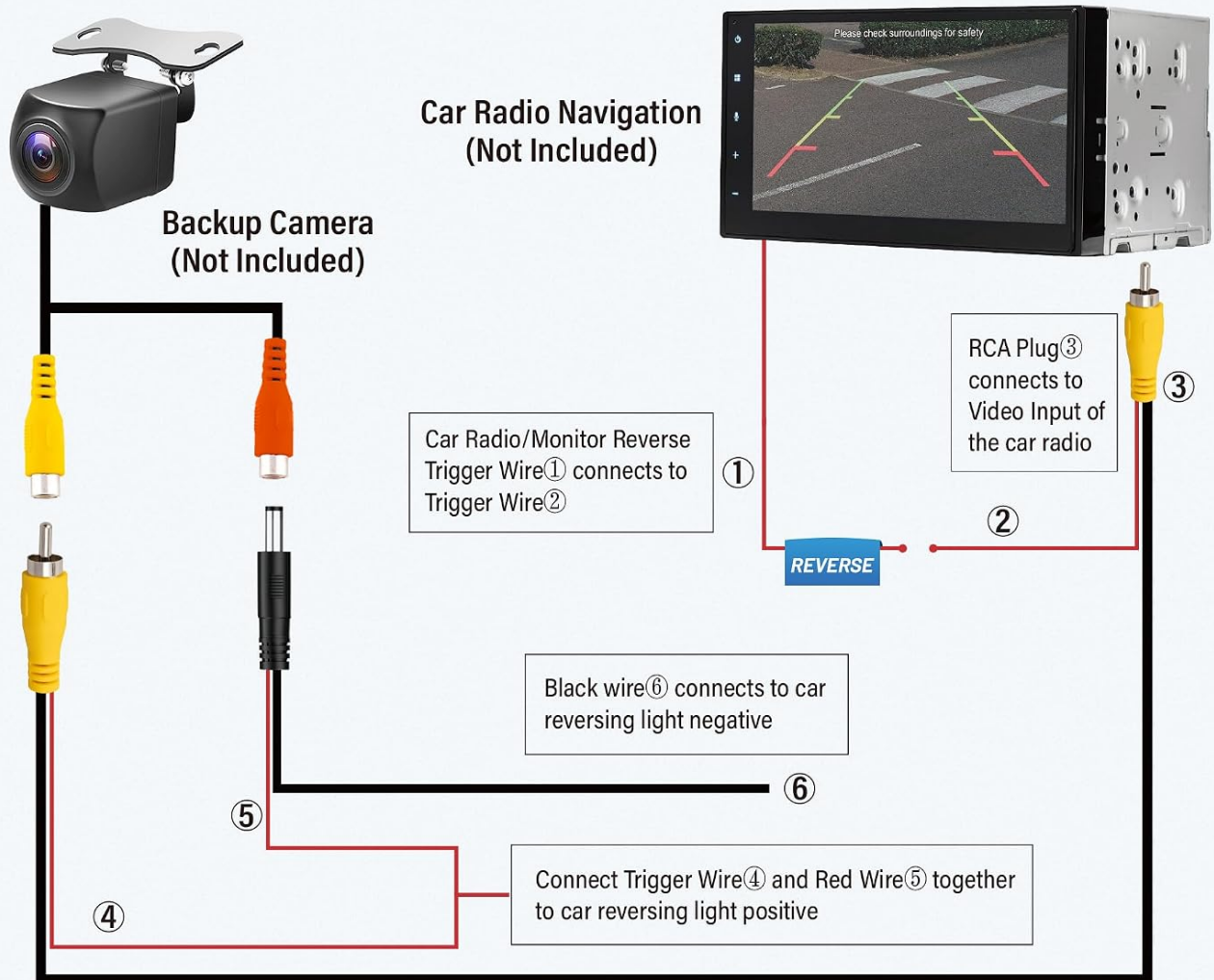


Image: A detailed wiring diagram illustrating how to connect the EWAY RCA video extension cable to a backup camera and a car radio/monitor that includes a trigger wire input. This setup enables automatic display switching when the vehicle is in reverse.

WITH TRIGGER WIRE

Transmit car reversing signals to activate the monitor to display the images captured by the camera

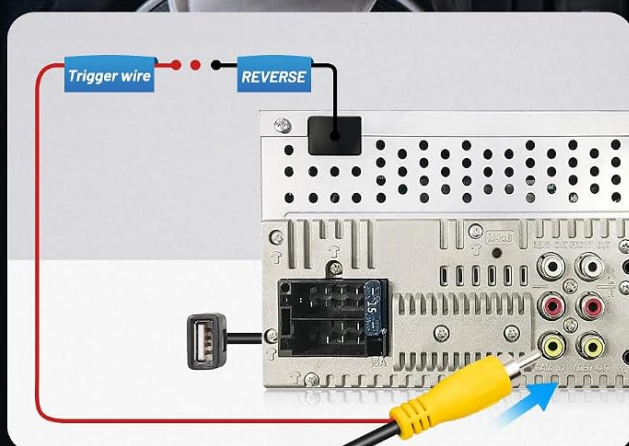


Image: An in-car view demonstrating the functionality of the trigger wire. When the car is shifted into reverse, the monitor automatically displays the view from the backup camera, showing parking guidelines.

Using the RCA Extension Coupler

The included female-to-female RCA coupler adapter allows for extending the length of existing RCA cables or connecting two male RCA cables together if needed for your specific installation.

RCA EXTENSION COUPLER

Female to female



Convenient to extend RCA male video cable with other RCA male video cables

Image: A close-up view of the female-to-female RCA extension coupler, demonstrating how it connects two male RCA plugs to extend the cable length.

OPERATING INSTRUCTIONS

Once the EWAY RCA Video Extension Cable is correctly installed, its operation is largely dependent on the connected devices (backup camera and monitor/head unit).

- **Automatic Display (with Trigger Wire):** If connected to a monitor/head unit with a trigger wire, the display will automatically switch to the camera view when the vehicle's reverse gear is engaged.
- **Manual Display (without Trigger Wire):** If connected to a monitor/head unit without a trigger wire, you may need to manually select the video input source on your monitor to view the camera feed. Refer to your monitor's user manual for specific instructions.
- **Video Transmission:** The cable ensures stable and clear video signal transmission from the camera to the display.

MAINTENANCE

The EWAY RCA Video Extension Cable is designed for durability and requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cable Routing:** Ensure the cable is routed away from sharp edges, moving parts, and excessive heat sources within the vehicle. Secure it properly to prevent pinching or abrasion.
- **Connections:** Periodically check all connections (RCA plugs, DC power leads) to ensure they are secure and free from corrosion. Loose connections can lead to signal loss or intermittent video.
- **Cleaning:** If necessary, gently wipe the cable and connectors with a dry, soft cloth. Avoid using harsh chemicals or abrasive materials.
- **Environmental Exposure:** While designed for outdoor usage within a vehicle, avoid exposing the cable to extreme temperatures or prolonged direct sunlight if possible, as this can degrade the cable's jacket over time.

TROUBLESHOOTING

If you encounter issues with your EWAY RCA Video Extension Cable, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video signal / Black screen	◦ Loose RCA connection. ◦ Incorrect video input selected on monitor. ◦ Camera not powered. ◦ Damaged cable.	◦ Check all RCA connections at both ends. ◦ Ensure the correct video input (AV1, AV2, etc.) is selected on your monitor. ◦ Verify the camera is receiving power (check DC power connector and vehicle's reverse light power). ◦ Inspect the cable for visible damage.
Flickering or distorted video	◦ Loose connection. ◦ Electromagnetic interference (EMI/RFI). ◦ Faulty camera or monitor.	◦ Secure all connections. ◦ Ensure the cable is routed away from high-voltage wires or ignition components. ◦ Test with another RCA cable or verify camera/monitor functionality.
Monitor does not switch automatically to camera view	◦ Trigger wire not connected or incorrectly connected. ◦ Monitor does not support trigger input.	◦ Verify the trigger wire is correctly connected to the reverse light positive and the monitor's trigger input. ◦ Confirm your monitor/head unit has a trigger input feature.

SPECIFICATIONS

Feature	Detail
Model Number	RCA-KIT
Cable Type	RCA Video Extension Cable
Cable Length	20 feet (6 meters)
Connectors	Male-to-Male RCA, Male DC Power, Female-to-Female RCA Coupler
Integrated Wire	Trigger Wire

Feature	Detail
Shielding	Dual shielding (copper braided and aluminum foil)
Compatibility	Car Rear View Backup Cameras, Aftermarket Radio Monitors, Head Units, CCTV, DVD
Indoor/Outdoor Usage	Outdoor (Vehicle Interior/Exterior)
Product Dimensions	6 x 4 x 1 inches (packaging)
Item Weight	5.3 ounces

WARRANTY AND SUPPORT

For warranty information or technical support regarding your EWAY RCA Video Extension Cable, please refer to the contact information provided with your purchase or visit the official EWAY website. Keep your purchase receipt as proof of purchase for any warranty claims.

For additional resources and product information, you may visit the [EWAY Store on Amazon](#).

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question