

ACV 42-MC-706

ACV 42-MC 706 Steering Wheel Remote Control Adapter User Manual

Model: 42-MC-706

1. PRODUCT OVERVIEW

The ACV 42-MC 706 Steering Wheel Remote Control Adapter is designed to enable the retention of existing steering wheel remote control functions when installing an aftermarket car radio. This adapter ensures seamless integration, allowing you to control your new radio without losing the convenience of your vehicle's built-in steering wheel controls.

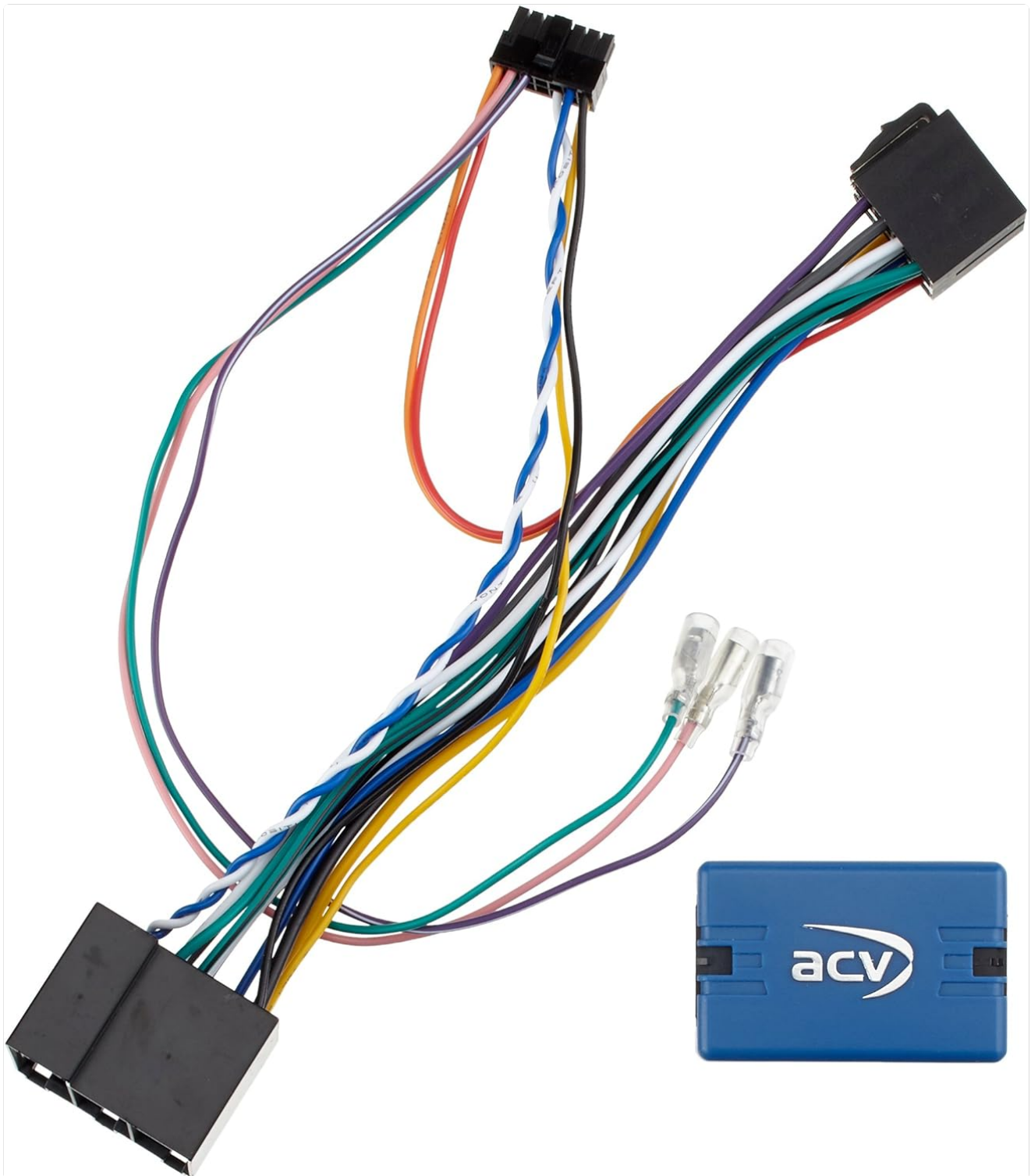


Figure 1: ACV 42-MC 706 Steering Wheel Remote Control Adapter. The image displays the ACV 42-MC 706 Steering Wheel Remote Control Adapter. It consists of a blue control module with the 'acv' logo, a complex wiring harness with multiple colored wires terminating in black ISO connectors, and two clear spade connectors. This assembly facilitates the integration of an aftermarket radio while retaining steering wheel control functionality.

2. COMPATIBILITY

This adapter is compatible with the following vehicle and radio configurations:

- **Vehicle:** Mercedes C-Class (W203) manufactured between March 2000 and April 2004.
- **Vehicle Interior:** All models equipped with a CAN bus interior.
- **OEM Radios:** Compatible with the following OEM radios that use a 10-pin ISO connector: Audio 10, Audio 30, and APS (d2b).

- **Aftermarket Radio:** Designed for integration with Kenwood aftermarket radios.

3. FEATURES

- Retains original steering wheel remote control functionality.
- Enables control of aftermarket Kenwood radios via steering wheel buttons.
- Designed for specific Mercedes C-Class (W203) models with CAN bus.
- Direct plug-and-play connection with 10-pin ISO connector for compatible OEM radios.

4. SETUP AND INSTALLATION

Installation of the ACV 42-MC 706 adapter requires basic knowledge of car audio wiring and vehicle disassembly. It is recommended that installation be performed by a qualified professional.

4.1. Pre-Installation Checklist

- Ensure vehicle battery is disconnected before starting installation.
- Verify compatibility of your vehicle and aftermarket radio with this adapter.
- Gather necessary tools (e.g., trim removal tools, screwdrivers, wire strippers/crimpers if custom connections are needed).

4.2. Installation Steps

1. Carefully remove the existing car radio from the dashboard. Refer to your vehicle's service manual for specific instructions on radio removal.
2. Locate the vehicle's original wiring harness, specifically the 10-pin ISO connector that was connected to the OEM radio.
3. Connect the vehicle-specific end of the ACV 42-MC 706 adapter harness to the corresponding connector in your vehicle.
4. Connect the other end of the ACV 42-MC 706 adapter harness to your Kenwood aftermarket radio. Ensure all connections are secure.
5. Integrate the blue control module into the wiring as indicated by the harness design. This module processes the steering wheel control signals.
6. Once all connections are made, carefully re-install the aftermarket radio into the dashboard.
7. Reconnect the vehicle battery.
8. Test the steering wheel controls to ensure proper functionality with the new radio.

Note: Incorrect wiring can damage the adapter, radio, or vehicle electronics. If unsure, seek professional assistance.

5. OPERATING INSTRUCTIONS

Once correctly installed, the ACV 42-MC 706 adapter operates automatically. The steering wheel controls will function as they did with the original radio, but now controlling the corresponding features on your Kenwood aftermarket unit.

- **Volume Up/Down:** Adjusts the audio volume of the aftermarket radio.
- **Track Up/Down:** Changes the audio track or radio station.
- **Mode/Source:** Switches between different audio sources (e.g., FM, AM, CD, USB, Bluetooth).
- Other buttons may function depending on the specific Kenwood radio model and the vehicle's original steering

wheel control configuration.

Refer to your Kenwood radio's user manual for specific functions assigned to steering wheel controls.

6. MAINTENANCE

The ACV 42-MC 706 Steering Wheel Remote Control Adapter is a sealed electronic component and requires no regular maintenance. Ensure it is installed in a dry environment, protected from extreme temperatures and physical damage.

- Keep connections clean and secure.
- Avoid exposing the module to moisture or excessive heat.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Steering wheel controls do not work.	Incorrect wiring connections.	Check all connections between the adapter, vehicle harness, and aftermarket radio. Ensure they are secure and correctly matched.
Steering wheel controls work intermittently.	Loose connection or faulty adapter.	Verify all connections are tight. If the issue persists, the adapter may be faulty and require replacement.
Only some steering wheel buttons work.	Compatibility issue or radio setting.	Confirm your Kenwood radio supports all original steering wheel functions. Check the radio's settings for steering wheel control configuration.
Radio does not power on after installation.	Power connection issue.	Ensure the main power and accessory power wires are correctly connected. Check vehicle fuses.

If troubleshooting steps do not resolve the issue, contact ACV customer support or a professional installer.

8. SPECIFICATIONS

- **Brand:** ACV
- **Model Number:** 42-MC-706
- **Connections:** Radio-frequency (via vehicle-specific harness and ISO connector)
- **Compatible Devices:** Car audio systems (specifically Kenwood aftermarket radios)
- **Vehicle Compatibility:** Mercedes C-Class (W203) 03/2000–04/2004 with CAN bus and OEM Audio 10/30/APS (d2b) radios.
- **Manufacturer:** ACV Electronic

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official ACV website. Keep your proof of purchase for warranty claims.

Manufacturer: ACV Electronic

Contact: Refer to ACV's official website for contact details and support resources.

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