

ASGIHVAC LINKEKEDIAN699

ASGIHVAC 16-Pin Wiring Harness Adapter with Canbus Decoder
for Toyota Vehicles

Model: LINKEKEDIAN699

INTRODUCTION

This manual provides detailed instructions for the installation and operation of the ASGIHVAC 16-Pin Wiring Harness Adapter with Canbus Decoder. This product is designed to facilitate the upgrade of your vehicle's multimedia system while preserving the functionality of original vehicle features. Please read this manual thoroughly before installation to ensure correct setup and optimal performance.

VEHICLE COMPATIBILITY

This wiring harness adapter is compatible with the following Toyota vehicle models:

- Toyota Highlander (2019-2022)
- Toyota RAV4 (2019)
- Toyota Wildlander (2020)
- Toyota Sienna (2018-2021)
- Toyota Kluger (2021)
- Toyota Corolla Cross (2022)
- Toyota Frontlander (2022)
- Toyota VOXY (2023)
- Toyota Camry (2024)
- Toyota Granvia (2023)
- Toyota Land Cruiser (2024)

Ensure your vehicle's model and year match the list above for proper functionality.

PACKAGE CONTENTS

The package includes the following components:

- 16-Pin Wiring Harness Adapter
- Canbus Decoder Box (Model RZ-FT02/G-RZ-FT52)
- Associated RCA and antenna cables



Figure 1: Complete ASGIHVAC 16-Pin Wiring Harness Adapter with Canbus Decoder and associated cables.



Figure 2: The Canbus Decoder Box, an essential component for vehicle communication.

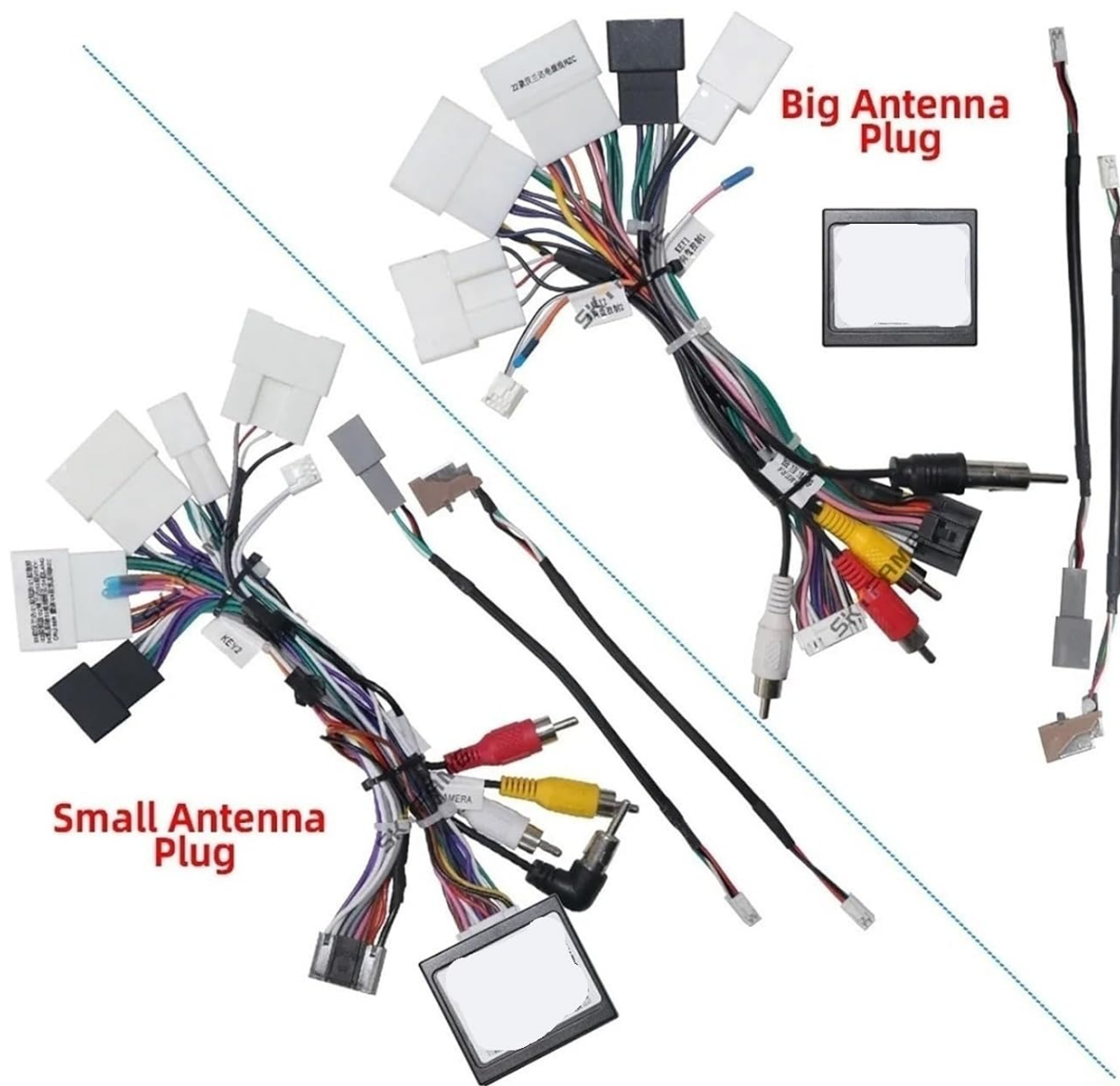


Figure 3: Illustration comparing the small and big antenna plug configurations. Ensure you have the correct version for your vehicle.



Small Antenna Plug

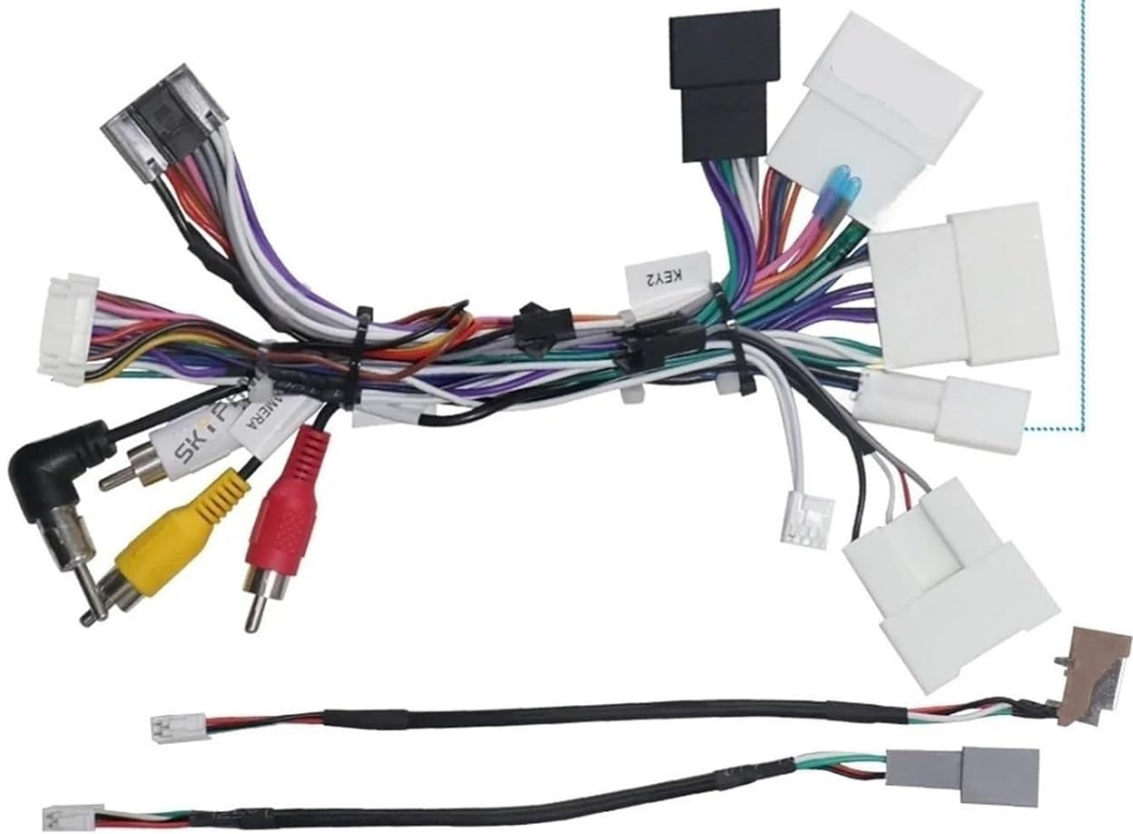


Figure 4: Detailed view of the wiring harness with the small antenna plug configuration.

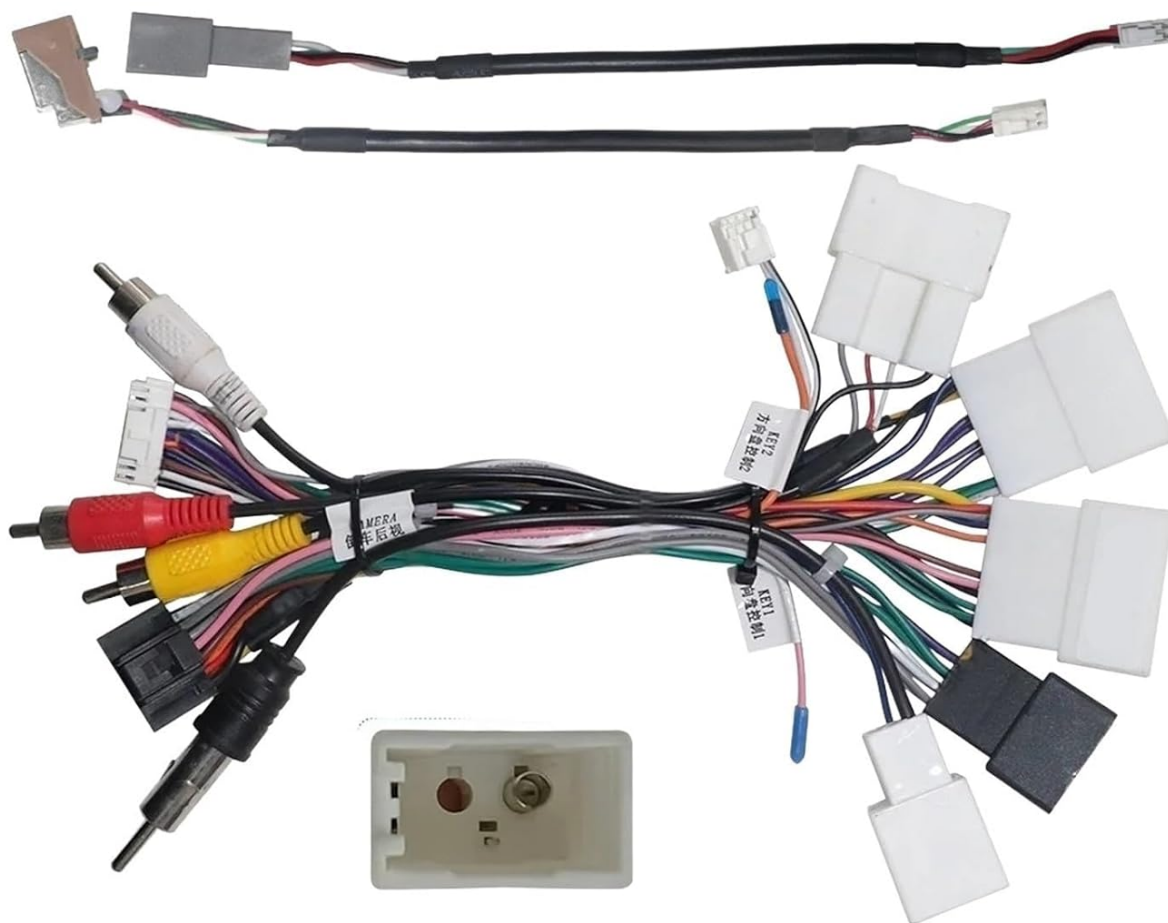


Figure 5: Another perspective of the wiring harness, showing various connectors and RCA cables.

INSTALLATION GUIDE

Important Safety Notice: Disconnect the vehicle's battery before beginning any electrical installation to prevent short circuits or damage to electrical components. If you are unsure about any step, consult a professional automotive technician.

1. **Prepare the Vehicle:** Ensure the vehicle is turned off and the battery is disconnected. Carefully remove the existing car stereo or multimedia unit from the dashboard. Refer to your vehicle's service manual for specific removal instructions.
2. **Identify Connectors:** Locate the factory wiring harness connectors in your vehicle. Compare them with the connectors on the ASGIHVAC 16-pin wiring harness adapter to ensure compatibility.
3. **Connect the Canbus Decoder:** Plug the Canbus decoder box into the designated connector on the ASGIHVAC wiring harness. Ensure a secure connection.
4. **Connect to New Multimedia Unit:** Connect the ASGIHVAC wiring harness adapter to your new aftermarket multimedia unit. Match the corresponding wires and plugs (e.g., power, ground, speaker outputs, RCA inputs/outputs).
5. **Connect to Vehicle:** Plug the ASGIHVAC wiring harness adapter into the vehicle's factory wiring harness connectors.

Ensure all connections are firm and properly seated.

- 6. **Antenna Connection:** Connect the appropriate antenna plug (small or big, as determined by your vehicle's configuration) to your new multimedia unit.
- 7. **Test Connections:** Before fully reassembling the dashboard, reconnect the vehicle's battery. Turn on the ignition and test the functionality of the new multimedia unit. Verify power, audio output, steering wheel controls (if applicable and supported by your new unit and Canbus decoder), and any other integrated features.
- 8. **Secure Wiring:** Once all functions are verified, carefully route and secure all wiring to prevent pinching or interference.
- 9. **Reassemble Dashboard:** Reinstall the new multimedia unit and reassemble the dashboard components.

For optimal performance, ensure all connections are clean and free from corrosion.

OPERATION

The ASGIHVAC wiring harness adapter and Canbus decoder are designed to integrate your aftermarket multimedia unit with your vehicle's electrical system. Once correctly installed, the system should operate seamlessly, allowing your new head unit to receive power, audio signals, and communicate with the vehicle's Canbus system for features such as:

- Power On/Off synchronization with ignition
- Retention of steering wheel control functionality (if supported by your new head unit)
- Access to vehicle data (e.g., reverse gear signal for camera, illumination)

Refer to your aftermarket multimedia unit's instruction manual for specific operating procedures of the head unit itself.

MAINTENANCE

The ASGIHVAC wiring harness adapter and Canbus decoder require minimal maintenance. Periodically, you may wish to:

- **Check Connections:** Ensure all electrical connections remain secure and free from corrosion.
- **Inspect Wiring:** Verify that wiring is not pinched, frayed, or exposed.
- **Software Updates:** If your aftermarket multimedia unit offers firmware updates that affect Canbus communication, ensure they are applied according to the head unit manufacturer's instructions.

Avoid exposing the components to excessive moisture or extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
New multimedia unit does not power on.	◦ Loose power connection. ◦ Blown fuse in vehicle or head unit. ◦ Incorrect wiring.	◦ Check all power and ground connections. ◦ Inspect vehicle and head unit fuses. ◦ Verify wiring against installation guide.
No audio output.	◦ Loose speaker connections. ◦ Incorrect speaker wiring. ◦ Head unit settings.	◦ Ensure all speaker wires are securely connected. ◦ Check head unit's audio settings (e.g., mute, volume).

Problem	Possible Cause	Solution
Steering wheel controls not functioning.	◦ Canbus decoder not properly connected. ◦ Head unit not configured for steering wheel controls. ◦ Vehicle not compatible with steering wheel control retention via Canbus.	◦ Verify Canbus decoder connection. ◦ Check your head unit's settings for steering wheel control programming. ◦ Confirm vehicle compatibility.
Intermittent functionality.	◦ Loose or corroded connections. ◦ Faulty component.	◦ Re-check all connections for tightness and cleanliness. ◦ Contact customer support if issues persist.

SPECIFICATIONS

Model Number: LINKEKEDIAN699

Part Number (Canbus Decoder): RZ-FT02/G-RZ-FT52

Connector Type: 16-Pin

Compatibility: Toyota vehicles (specific models listed in compatibility section)

Package Dimensions: 0.39 x 0.39 x 0.39 inches

Item Weight: 1.76 ounces

Manufacturer: LINKEKEDIAN699

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your ASGIHVAC product, please contact your retailer or the manufacturer's customer service. When contacting support, please have your product model number (LINKEKEDIAN699) and purchase information available.

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.

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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

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