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> GRABOTE Radio Wire Harness + Antenna Adapter User Manual

## GRABOTE Wire Harness + Antenna Adapter

# GRABOTE Radio Wire Harness + Antenna Adapter User Manual

Model: Wire Harness + Antenna Adapter

Brand: GRABOTE

## INTRODUCTION

This user manual provides detailed instructions for the installation and use of the GRABOTE Radio Wire Harness and Antenna Adapter. This product is designed to facilitate the installation of an aftermarket car stereo in compatible Toyota and Scion vehicles without cutting factory wiring, ensuring a secure and stable connection.

The package includes a 10-pin radio wire harness, a 6-pin radio wire harness, and a car radio antenna adapter. It is specifically designed for select 1987-2007 Toyota and Scion vehicles. Please note that this harness is intended for aftermarket stereos and is not compatible with cars equipped with factory amplifiers.

## PRODUCT COMPONENTS



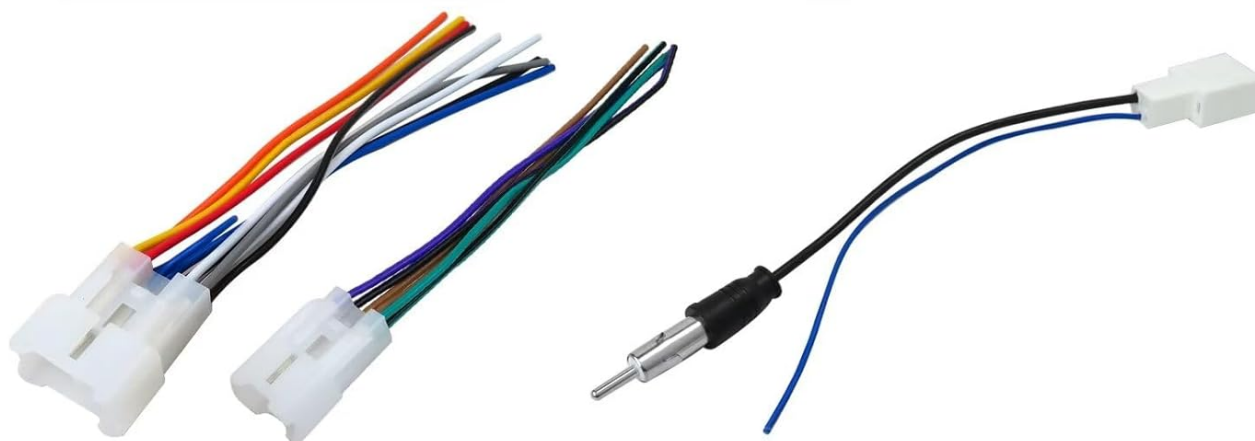
**Figure 1:** Overview of the GRABOTE Radio Wire Harness and Antenna Adapter. This image displays the three main components: the antenna adapter (left), the 10-pin wire harness (middle), and the 6-pin wire harness (right), all designed for seamless integration with your vehicle's audio system.

- **10-Pin Radio Wire Harness:** Connects to the vehicle's main power and speaker wiring.
- **6-Pin Radio Wire Harness:** Connects to additional speaker or accessory wiring.
- **Car Radio Antenna Adapter:** Converts the vehicle's antenna connection to be compatible with an aftermarket radio.



Power speaker female plug

Radio antenna female plug



**Figure 2:** Detailed view of the power speaker female plug (left) and the radio antenna female plug (right). These are the primary connectors that interface with your aftermarket radio and vehicle's existing wiring.

## COMPATIBILITY

This product is compatible with select Toyota and Scion vehicles manufactured between 1987 and 2007. It is designed for use with aftermarket stereos only. **Important:** This harness is not compatible with vehicles that have a factory-installed amplifier.

## SETUP AND INSTALLATION

Installation of the GRABOTE Radio Wire Harness and Antenna Adapter is designed to be plug-and-play, minimizing the need for cutting or splicing factory wires. Follow these steps for a successful installation:

1. **Preparation:** Before beginning, ensure your vehicle's battery is disconnected to prevent electrical shorts. Remove the existing car stereo from the dashboard.
2. **Identify Vehicle Wiring:** Locate the factory wiring harness and antenna cable behind the stereo opening.
3. **Connect Wire Harnesses:**

- Match the wires from the GRABOTE 10-pin and 6-pin harnesses to the corresponding wires on your aftermarket radio's wiring harness. Refer to the detailed wire diagram below for color-coding.
  - Securely connect each wire, typically by soldering or using crimp connectors, ensuring a strong electrical connection.
4. **Connect Antenna Adapter:** Directly connect the GRABOTE Car Radio Antenna Adapter to your vehicle's factory stereo antenna cable. This adapter has a female connector that will mate with the vehicle's antenna plug.
  5. **Connect to Aftermarket Radio:** Plug the combined GRABOTE wire harnesses and antenna adapter into the appropriate ports on your aftermarket radio.
  6. **Test Functionality:** Before fully reassembling the dashboard, reconnect the vehicle's battery and test the aftermarket radio's functionality, including power, sound from all speakers, and AM/FM radio reception.
  7. **Secure Installation:** Once confirmed working, carefully tuck the wires and harnesses into the dashboard cavity and reassemble the stereo and dashboard trim.

## Wire Diagram

The following wire diagram details the function of each colored wire on the GRABOTE harness. Ensure these are correctly matched to your aftermarket radio's wiring.

Wire Color	Function
Orange	Button Light 12V+
Yellow	B+12V Positive (Constant Power)
Red	ACC12V Positive (Accessory/Switched Power)
Black	Ground Wire Negative
Blue	Antenna Control (typically for power antenna or amplifier turn-on, not connected if not applicable)
White	Front Left Speaker Positive
White with Black Stripe	Front Left Speaker Negative
Gray	Front Right Speaker Positive
Gray with Black Stripe	Front Right Speaker Negative
Green	Rear Left Speaker Positive
Green with Black Stripe	Rear Left Speaker Negative
Purple	Rear Right Speaker Positive
Purple with Black Stripe	Rear Right Speaker Negative

# **STEREO RADIO ANTENNA ADAPTER**

The wires are usually color matched, making it easy to connect to the car stereo wire plug.



**Figure 3:** An example of a car stereo installation in progress, demonstrating how the wire harness connects to the vehicle's existing wiring. This visual aids in understanding the physical connection process.



## STEREO RADIO ANTENNA ADAPTER

- ✓ Good conductivity
- ✓ Direct installation for safe use
- ✓ High temperature resistance

**Figure 4:** Another perspective of the installation, highlighting the secure and direct connection of the wire harness. The product is designed for good conductivity, direct installation for safety, and high temperature resistance.

### OPERATING INSTRUCTIONS

The GRABOTE Radio Wire Harness and Antenna Adapter are passive components designed to enable the proper functioning of an aftermarket car stereo. Once correctly installed, the operation of your car stereo will be as per its manufacturer's instructions. The harness ensures that the stereo receives appropriate power, ground, and speaker signals from the vehicle, and the antenna adapter ensures clear radio reception.

No specific operational steps are required for the harness itself beyond its initial installation. Its purpose is to provide a stable and reliable electrical interface between your vehicle and the new stereo unit.

### MAINTENANCE

The GRABOTE Radio Wire Harness and Antenna Adapter require minimal maintenance once installed. They are designed for durability and long-term performance.

- **Periodic Inspection:** If you experience issues with your car stereo, it is advisable to periodically check the connections of the wire harness and antenna adapter to ensure they remain secure and free from corrosion.
- **Avoid Tampering:** Do not attempt to modify or repair the harness or adapter yourself. Unauthorized modifications can lead to electrical issues or damage to your vehicle's electrical system.
- **Cleaning:** Keep the area around the stereo installation clean and free of debris.

## TROUBLESHOOTING

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If you encounter issues after installing the GRABOTE Radio Wire Harness and Antenna Adapter, consider the following troubleshooting steps:

- **No Power to Stereo:**
  - Verify that the Yellow (B+12V) and Red (ACC12V) wires are correctly connected to their respective constant and switched power sources from the vehicle, and to the aftermarket radio.
  - Ensure the Black (Ground) wire is securely connected to a good chassis ground point.
  - Check the vehicle's fuses related to the radio and accessory power.
- **No Sound from Speakers:**
  - Confirm that all speaker wires (White, Gray, Green, Purple, and their black-striped counterparts) are correctly matched and connected to the aftermarket radio's speaker outputs.
  - Ensure speaker wires are not shorting to each other or to ground.
  - *Important:* Confirm your vehicle does not have a factory amplifier. This harness is not compatible with factory amplified systems.
- **Poor or No Radio Reception:**
  - Ensure the Car Radio Antenna Adapter is securely connected to both the vehicle's antenna cable and the aftermarket radio's antenna input.
  - If your vehicle has a power antenna, ensure the Blue (Antenna Control) wire is connected to the aftermarket radio's power antenna or amplifier turn-on lead.
- **Buttons Not Lighting Up:**
  - Check the connection of the Orange (Button Light 12V+) wire to the aftermarket radio's illumination wire.
- **Intermittent Issues:**
  - Inspect all connections for looseness or corrosion. Re-crimp or re-solder any questionable connections.

If problems persist after following these steps, it is recommended to consult with a professional car audio installer.

## SPECIFICATIONS

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- **Product Name:** GRABOTE Radio Wire Harness + Antenna Adapter
- **Model Number:** Wire Harness + Antenna Adapter
- **Brand:** GRABOTE
- **Compatibility:** Select 1987-2007 Toyota and Scion vehicles (for aftermarket stereos only, not compatible with factory amplifiers)
- **Harness Type:** 10-pin and 6-pin power/speaker harness
- **Antenna Adapter Type:** Standard car radio antenna adapter
- **Package Contents:**
  - 1 x 10Pin Radio Wire Harness

- 1 x 6Pin Radio Wire Harness
- 1 x Car Radio Antenna Adapter
- **Wire Gauge:** Standard automotive wire gauge for power and speaker connections.
- **Material:** High-quality plastic connectors and copper wiring for good conductivity and high temperature resistance.

## WARRANTY INFORMATION

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Specific warranty details for the GRABOTE Radio Wire Harness + Antenna Adapter are not provided in this manual. For information regarding warranty coverage, terms, and conditions, please refer to the product packaging, contact the retailer from whom you purchased the product, or visit the official GRABOTE website.

## CUSTOMER SUPPORT

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If you require further assistance with the installation, troubleshooting, or have questions about the GRABOTE Radio Wire Harness + Antenna Adapter, please contact the seller or manufacturer directly. Contact information may be available on the product packaging or the retailer's website.

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