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> EKBMELLJ G-rz-ft-77 Car Wiring Harness Adapter for Toyota/Lexus Android Head Units

EKBMELLJ G-rz-ft-77

EKBMELLJ G-rz-ft-77 Car Wiring Harness Adapter Instruction Manual

Model: G-rz-ft-77 | Brand: EKBMELLJ

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the installation and proper use of the EKBMELLJ G-rz-ft-77 Car Wiring Harness Adapter. This adapter is designed to facilitate the connection of an aftermarket Android head unit to the factory wiring harness of compatible Toyota and Lexus vehicles, ensuring seamless integration and functionality.

Compatibility:

- Lexus GS 300/350/400/430/450/460 (2004-2011)
- Lexus RX 300/350/400h (2004-2011)

2. SAFETY INFORMATION

Please read and understand all safety instructions before proceeding with installation. Failure to follow these guidelines may result in damage to the product, vehicle, or personal injury.

- Always disconnect the vehicle's negative battery terminal before beginning any electrical work to prevent short circuits and electrical shock.
- Professional installation by a qualified technician is highly recommended.
- Ensure all connections are secure and properly insulated to prevent electrical hazards.
- Do not modify the wiring harness. Any alterations may void the warranty and compromise safety.
- Keep wiring away from moving parts, heat sources, and sharp edges within the vehicle.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1x EKBMELLJ G-rz-ft-77 Car Wiring Harness Adapter (Only Cable)



Figure 3.1: EKBMELLJ G-rz-ft-77 Car Wiring Harness Adapter. This image displays the complete wiring harness with various connectors and color-coded wires, designed to interface with vehicle and head unit systems.

Note: This specific product variant includes only the wiring harness cable. A separate Canbus box decoder may be required for full functionality, depending on your aftermarket head unit and vehicle's specific features. The harness is designed to connect to such a system.

4. INSTALLATION GUIDE

Follow these steps carefully for proper installation of the wiring harness adapter.

1. **Preparation:** Ensure the vehicle is turned off and the negative terminal of the battery is disconnected. Gather necessary tools, which may include trim removal tools, screwdrivers, and wire strippers/crimpers (if custom connections are needed, though this harness is plug-and-play).
2. **Access Vehicle Head Unit:** Carefully remove the existing factory head unit from the dashboard. Refer to your vehicle's service manual for specific instructions on dashboard disassembly.
3. **Identify Factory Harness:** Locate the factory wiring harness connectors that were previously plugged into your original head

unit.

4. **Connect Adapter to Factory Harness:** Plug the appropriate end of the EKBMELLJ G-rz-ft-77 wiring harness adapter into the vehicle's factory harness connectors. The connectors are designed to fit only one way.
5. **Connect Adapter to Aftermarket Head Unit:** Connect the other end of the EKBMELLJ G-rz-ft-77 wiring harness adapter to the corresponding ports on your aftermarket Android head unit. The harness features standard color-coded wires for simplified identification and connection.
6. **Canbus Box Connection (If Applicable):** If your setup includes a separate Canbus box decoder (not included with this cable variant), connect the designated Canbus wires from the EKBMELLJ harness to the Canbus box, and then connect the Canbus box to your Android head unit as per the Canbus box's instructions. The Canbus system translates vehicle data (e.g., steering wheel controls, door status, reverse gear signal) for the aftermarket head unit.



Figure 4.1: Illustrative diagram of a wiring harness connected to a Canbus box. This image shows how the wiring harness (left) interfaces with a Canbus decoder box (right), which then connects to an aftermarket head unit. Note that the Canbus box is not included with the "Only Cable" product variant.

7. **Secure Connections:** Ensure all connections are firm and secure. Use electrical tape or zip ties to bundle and secure loose wires, preventing rattles and accidental disconnections.
8. **Test Functionality:** Reconnect the vehicle's negative battery terminal. Turn on the vehicle and the aftermarket head unit. Test all functions, including audio, radio, navigation, Bluetooth, and any integrated steering wheel controls (if supported by your head unit and Canbus system).

9. **Reassemble Dashboard:** Once all functions are verified, carefully reassemble the dashboard components and reinstall the head unit.

5. OPERATING INSTRUCTIONS

The EKBMELLJ G-rz-ft-77 wiring harness adapter is a passive component that facilitates the electrical connection between your vehicle and an aftermarket Android head unit. Its operation is integrated with the head unit's functionality.

- Once installed, the harness enables power, ground, speaker outputs, and other essential signals to be transmitted between the vehicle and the head unit.
- Any advanced features, such as steering wheel control integration or display of vehicle information, are dependent on the capabilities of your aftermarket Android head unit and the presence of a compatible Canbus decoder box.
- Refer to your Android head unit's instruction manual for specific operating procedures and feature configurations.

6. TROUBLESHOOTING

If you encounter issues after installation, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
No power to head unit	Loose power connection, blown fuse (vehicle or head unit), incorrect wiring.	Check all power and ground connections. Inspect vehicle and head unit fuses. Verify wiring against diagrams.
No sound from speakers	Loose speaker connections, incorrect speaker wiring, head unit settings.	Ensure all speaker wires are securely connected and correctly polarized. Check head unit's audio settings (e.g., fader, balance, mute).
Steering wheel controls not working	Canbus box not connected or configured, head unit not programmed for controls, incompatible Canbus box.	Verify Canbus box connection (if used). Refer to your head unit's manual for steering wheel control programming. Ensure Canbus box is compatible with both vehicle and head unit.
Intermittent functionality	Loose connections, damaged wiring.	Carefully inspect all connections for looseness or damage. Re-secure or replace as necessary.

If problems persist, consult a professional car audio installer or contact EKBMELLJ customer support.

7. SPECIFICATIONS

- **Model:** G-rz-ft-77
- **Brand:** EKBMELLJ
- **Compatibility:** Toyota/Lexus GS 300/350/400/430/450/460 (2004-2011), RX 300/350/400h (2004-2011)
- **Material:** High-quality polyvinyl chloride (PVC) and rubber insulation, shielded cable.
- **Features:**
 - Standard color-coded wires for simplified installation.
 - Compact structure with shielding layer for interference resistance.
 - Reinforced braided layer and elastic material for bendable parts, designed for durability.
 - Designed for optimal space utilization and reduced load.

8. MAINTENANCE

The EKBMELLJ G-rz-ft-77 Car Wiring Harness Adapter requires minimal maintenance once properly installed.

- Ensure all connections remain dry and free from moisture.
- Avoid exposing the harness to extreme temperatures or harsh chemicals.
- There are no user-serviceable parts within the wiring harness. Do not attempt to disassemble or repair it.

9. WARRANTY AND SUPPORT

EKBMELLJ is committed to providing high-quality products. For specific warranty information, please refer to the documentation provided at the time of purchase or contact your retailer.

For technical support, installation assistance, or any questions regarding your EKBMELLJ G-rz-ft-77 Car Wiring Harness Adapter, please contact the seller or EKBMELLJ customer service through the contact information provided with your purchase.

