

GPGPG RP5-FD-002 16-Pin Wiring Harness

GPGPG RP5-FD-002 16-Pin Wiring Harness with Canbus Box
Instruction Manual

For Chevrolet Blazer, Ford Explorer, and Ford Escape Android Car Radio Integration

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of the GPGPG RP5-FD-002 16-Pin Wiring Harness with Canbus Box. This product is designed to facilitate the integration of an aftermarket Android car radio into specific Chevrolet Blazer, Ford Explorer, and Ford Escape vehicles. The Canbus box translates vehicle data, enabling features such as steering wheel control functionality, door status, and reverse gear signals for your new head unit.

2. SAFETY INFORMATION

- Always disconnect the vehicle's negative battery terminal before beginning any electrical installation to prevent short circuits and electrical shock.
- Ensure all connections are secure and properly insulated to avoid electrical hazards.
- If you are unsure about any part of the installation process, consult a qualified automotive technician.
- Do not modify the wiring harness or Canbus box. Unauthorized modifications can lead to malfunction or damage.

3. PACKAGE CONTENTS

Please verify that all items are present before proceeding with the installation:

- 1 x GPGPG RP5-FD-002 16-Pin Wiring Harness with Integrated Canbus Box

4. PRODUCT OVERVIEW

The GPGPG RP5-FD-002 wiring harness is a custom-designed adapter that connects your aftermarket Android car radio to your vehicle's factory wiring system. It includes a Canbus box (model RP5-FD-002, P/N: K0090) which is essential for communication between the new radio and the vehicle's electronic systems. The harness features a 16-pin main connector for the Android radio, a vehicle-specific connector, and various auxiliary RCA connections.



Figure 1: GPGPG RP5-FD-002 16-Pin Wiring Harness with Canbus Box. This image displays the complete wiring harness assembly, including the main 16-pin connector, the integrated RP5-FD-002 Canbus box, and various auxiliary RCA connectors labeled for functions such as 'SUB L' (Subwoofer Left), 'AMP C' (Amplifier Control), and 'AUX L/R' (Auxiliary Left/Right inputs).

5. SETUP AND INSTALLATION

Follow these steps carefully for proper installation:

1. **Prepare the Vehicle:** Ensure the vehicle's ignition is off. Disconnect the negative terminal of the vehicle's battery.
2. **Remove Factory Radio:** Carefully remove the factory car radio from the dashboard. Refer to your vehicle's service manual for specific instructions on dashboard disassembly.
3. **Identify Vehicle Connectors:** Locate the factory wiring harness connectors that were previously connected to your original radio.
4. **Connect to Android Radio:** Connect the 16-pin connector of the GPGPG wiring harness to the corresponding port on your aftermarket Android car radio. Ensure a firm connection.
5. **Connect to Vehicle:** Connect the vehicle-specific connector of the GPGPG wiring harness to the factory wiring

harness in your vehicle.

6. **Integrate Canbus Box:** The RP5-FD-002 Canbus box is integrated into the harness. Ensure its connections are secure. This box will handle the communication between your new radio and the vehicle's systems.
7. **Auxiliary Connections:** Connect any additional RCA cables (e.g., SUB L, AMP C, AUX L/R) from the harness to your Android radio or external amplifiers/devices as required by your audio setup. Refer to your Android radio's manual for specific auxiliary input/output requirements.
8. **Test Connections:** Before fully reassembling the dashboard, reconnect the vehicle's negative battery terminal. Turn on the ignition and test the Android radio's basic functions, including power, audio output, and steering wheel controls (if applicable and configured).
9. **Reassemble Dashboard:** Once all functions are verified, carefully reassemble the dashboard and secure the Android radio in place.

6. OPERATING INSTRUCTIONS

Once installed, the GPGPG RP5-FD-002 Canbus box operates automatically to provide essential vehicle data to your Android car radio. This typically includes:

- **Steering Wheel Controls:** Enables the use of factory steering wheel buttons to control your Android radio's volume, track changes, and other functions. Configuration may be required within your Android radio's settings.
- **Ignition (ACC) Signal:** Provides the correct ignition signal to turn the radio on and off with the vehicle.
- **Illumination Signal:** Dims the radio's display when vehicle headlights are on.
- **Reverse Gear Signal:** Activates the rearview camera input on your Android radio when the vehicle is put into reverse.
- **Door Open Status:** May display vehicle door open warnings on compatible Android radios.

Refer to your Android car radio's user manual for specific instructions on configuring Canbus settings and steering wheel controls.

7. TROUBLESHOOTING

- **No Power to Radio:**
 - Check battery connection.
 - Verify all harness connections are secure.
 - Check vehicle's fuse box for blown fuses related to the radio or accessory power.
- **No Sound:**
 - Ensure speaker wires are correctly connected.
 - Check radio's volume and mute settings.
 - Verify amplifier control (AMP C) wire is connected if using an external amplifier.
- **Steering Wheel Controls Not Working:**
 - Ensure the Canbus box is properly connected.
 - Access your Android radio's settings and navigate to the 'Steering Wheel Control' or 'Canbus Settings' menu. Follow the radio's instructions to learn or configure the buttons.
 - Confirm your Android radio supports the specific Canbus protocol used by the RP5-FD-002.

• **Reverse Camera Not Activating:**

- Ensure the reverse signal wire from the harness is connected to the correct input on your Android radio.
- Verify the reverse camera itself is properly installed and powered.

8. SPECIFICATIONS

Brand	GPGPG
Model (Canbus Box)	RP5-FD-002
Part Number (P/N)	K0090
Software Version (SW)	V1.0
Date Code (DC)	20230717
Connector Type	16-pin Custom Automotive Connector

9. MAINTENANCE

The GPGPG RP5-FD-002 wiring harness and Canbus box require minimal maintenance. Keep the connections clean and free from moisture. Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods. Do not attempt to open or repair the Canbus box, as this will void any potential warranty.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the seller or manufacturer's official channels. Keep your purchase receipt as proof of purchase. Specific warranty terms and conditions may vary.

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