

Phonocar 4/131

Phonocar 4/131 Signal Adapter User Manual

For Original Amplified HiFi Systems in Alfa, Lancia, Mazda, Mercedes, and Nissan Vehicles

1. INTRODUCTION

The Phonocar 4/131 Signal Adapter is designed to facilitate the integration of an aftermarket car stereo or head unit with a vehicle's original amplified sound system, such as a Bose system. This adapter ensures proper signal conversion and compatibility, allowing the new head unit to function correctly with the existing factory amplifier and speakers.

This manual provides essential information for the correct installation, operation, and maintenance of your Phonocar 4/131 Signal Adapter.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before beginning any electrical installation to prevent short circuits and damage.
- 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 professional car audio installer.
- Do not modify the adapter or its wiring. Unauthorized modifications can void the warranty and cause damage.
- Keep the adapter away from moisture and extreme temperatures.

3. PACKAGE CONTENTS

- 1x Phonocar 4/131 Signal Adapter with integrated wiring harnesses

4. SETUP AND INSTALLATION

The Phonocar 4/131 Signal Adapter is designed for plug-and-play installation in compatible vehicles. It connects between your new aftermarket head unit and the vehicle's existing wiring harness for the amplified sound system.

4.1. Compatibility

This adapter is compatible with original amplified rear and front speaker systems, including Bose systems,

in the following vehicle models (models without original navigation unless specified):

- **Alfa Romeo:** 147 (2000 onwards), 156 (up to 2005), 159 (2005 onwards), Mito (2008 onwards), GT (2003 onwards), Brera (2005 onwards)
- **Lancia:** Ypsilon, Musa
- **Mazda:** 3, 5, 6 (with Bose system)
- **Mercedes-Benz:** A-Class (W168, 1997-2005), C-Class (W202, 1997-2000), E-Class (W210, 1999-2002)
- **Nissan:** 350Z (2004-2008), Murano (2006 onwards) (with original Bose system)
- **Peugeot:** 806 (1994-2002)
- **Porsche:** Boxster (2009 onwards)

4.2. Installation Steps

1. **Preparation:** Ensure the vehicle's battery is disconnected. Remove the existing car stereo or head unit from the dashboard.
2. **Identify Connections:** Locate the vehicle's factory wiring harness for the audio system.
3. **Connect Adapter:** Connect the appropriate end of the Phonocar 4/131 adapter's wiring harness to the vehicle's factory wiring harness. The connectors are designed to fit only one way.
4. **Connect to New Head Unit:** Connect the other end of the adapter's wiring harness to your new aftermarket head unit. Ensure all connections are firm.
5. **Secure Wiring:** Route and secure all wiring to prevent pinching or interference.
6. **Test:** Reconnect the vehicle's battery. Turn on the new head unit and test all audio functions, including front and rear speakers, balance, and fade.
7. **Final Assembly:** Once confirmed working, carefully reassemble the dashboard components.

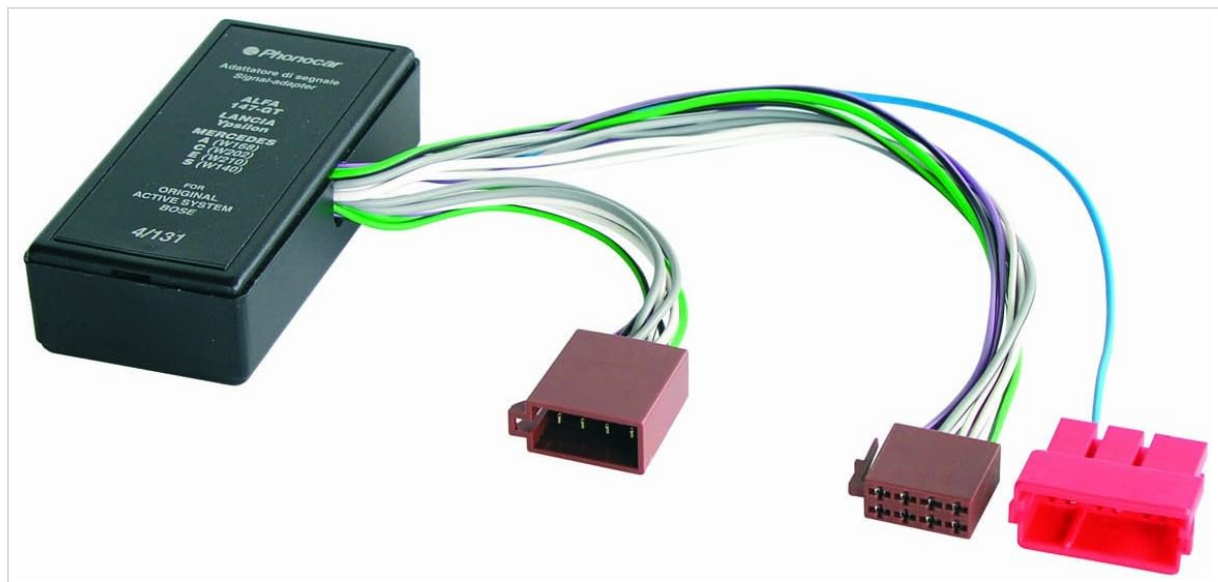


Figure 1: Phonocar 4/131 Signal Adapter with its integrated wiring harnesses and various automotive connectors. This image illustrates the physical components involved in connecting an aftermarket head unit to a vehicle's original amplified sound system.

5. OPERATING THE ADAPTER

The Phonocar 4/131 Signal Adapter is a passive component that facilitates communication between your aftermarket head unit and the vehicle's original amplified sound system. Once correctly installed, it operates automatically. There are no user-adjustable settings on the adapter itself. All audio controls (volume, balance, fade, tone) will be managed directly through your aftermarket head unit.

6. MAINTENANCE

The Phonocar 4/131 Signal Adapter requires minimal maintenance. Ensure it is installed in a dry, secure location within the dashboard, away from direct heat or moisture. Periodically check connections for looseness, especially if experiencing audio issues. Do not attempt to open or repair the adapter yourself.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers.	<ul style="list-style-type: none">• Incorrect wiring connections.• Vehicle battery disconnected or fuse blown.• Aftermarket head unit not powered on or faulty.• Original amplifier not receiving power.	<ul style="list-style-type: none">• Verify all adapter and head unit connections.• Check vehicle battery connection and relevant fuses.• Ensure head unit is powered and functioning.• Consult vehicle's wiring diagram to confirm amplifier power.
Distorted or poor sound quality.	<ul style="list-style-type: none">• Loose connections.• Incorrect gain settings on head unit (if applicable).• Ground loop interference.	<ul style="list-style-type: none">• Check all wiring connections for tightness.• Adjust head unit audio settings.• Ensure proper grounding for all audio components.
Only some speakers are working.	<ul style="list-style-type: none">• Incorrect speaker wiring.• Faulty speaker or amplifier channel.	<ul style="list-style-type: none">• Review speaker wiring connections.• Check head unit balance/fade settings.• Test individual speakers if possible.

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

8. SPECIFICATIONS

- **Model:** Phonocar 4/131 (04131)
- **Product Type:** Signal Adapter / Cable Adapter
- **Dimensions (LxHxP):** Approximately 250 x 110 x 50 mm (packaging dimensions, actual adapter unit is smaller)
- **Color:** Multi (adapter unit is black, wiring is multicolored)
- **Compatible Systems:** Original amplified car audio systems, including Bose systems
- **Number of Ports:** 1 (referring to the main connection point for the vehicle harness)
- **Power Plug Type:** No external power plug (integrated into vehicle's wiring)

9. WARRANTY INFORMATION

The Phonocar 4/131 Signal Adapter comes with a **1-year manufacturer's warranty** from the date of





purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, abuse, misuse, natural disaster, or unauthorized modification. Please retain your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, warranty claims, or further information regarding your Phonocar 4/131 Signal Adapter, please contact your retailer or visit the official Phonocar website. When contacting support, please have your product model number (4/131 or 04131) and proof of purchase readily available.

Phonocar Official Website: www.phonocar.it (Please note: This link is provided as a general reference and may not be active or specific to your region.)

Related Documents - 4/131

 <p>Phonocar INTERCOMANDO AL VOLANTE STEERING WHEEL CONTROLS PLUG&PLAY 04043 BMW - MINI - MERCEDES</p>	<p>Phonocar 04043 Steering Wheel Control Interface Installation and Programming Guide</p> <p>Comprehensive guide for installing and programming the Phonocar 04043 Plug&Play interface for BMW, MINI, and Mercedes vehicles. Includes wiring diagrams, DIP switch settings, and compatibility information for various car radios.</p>
 <p>Phonocar SM345 MERCEDES-BENZ VITO W447 (2014-2019)</p> <p>1. INSTALLATION INSTRUCTIONS 2 2. TECHNICAL SPECIFICATIONS 3 3. WIRING DIAGRAMS 4 4. FUNCTIONS 5 5. SAFETY WARNINGS 6 6. DISPOSAL INFORMATION 7 7. CAR ENTERTAINMENT 8</p>	<p>Phonocar SM345 Media Station Installation Manual for Mercedes-Benz Vito W447</p> <p>This manual provides installation instructions and technical specifications for the Phonocar SM345 Media Station, designed for Mercedes-Benz Vito W447 models from 2014-2019. It covers package contents, wiring diagrams, functions, safety warnings, and disposal information.</p>
 <p>Phonocar SM346 MERCEDES-BENZ SPRINTER (2018-2022)</p> <p>1. INSTALLATION INSTRUCTIONS 2 2. TECHNICAL SPECIFICATIONS 3 3. WIRING DIAGRAMS 4 4. FUNCTIONS 5 5. SAFETY WARNINGS 6 6. DISPOSAL INFORMATION 7 7. CAR ENTERTAINMENT 8</p>	<p>Phonocar SM346 Mediastation for Mercedes-Benz Sprinter - Installation Manual</p> <p>Comprehensive installation manual for the Phonocar SM346 QLED touchscreen mediastation, designed for Mercedes-Benz Sprinter (2018-2022). Features include Android OS, Apple CarPlay, Android Auto, DAB+, GPS, and more.</p>
 <p>ACCESSORIES Phonocar 05713 MERCEDES</p> <p>1. INSTALLATION INSTRUCTIONS 2 2. TECHNICAL SPECIFICATIONS 3 3. WIRING DIAGRAMS 4 4. FUNCTIONS 5 5. SAFETY WARNINGS 6 6. DISPOSAL INFORMATION 7 7. CAR ENTERTAINMENT 8</p>	<p>Phonocar 05713 Qi Wireless Charging Tray for Mercedes C-Class, E-Class, GLC Installation Guide</p> <p>Installation guide for the Phonocar 05713 Qi wireless charging tray, designed for seamless integration into the original glove compartment of Mercedes C-Class, E-Class, and GLC models. Features fast charging and automatic power adjustment.</p>

<div><div>ACCESSORIES</div><div>Phonocar</div><div>05728</div><div>FIAT VOLKSWAGEN T-ROC</div><div></div><div><div>IT: FAST WIRELESS CHARGING TRAY DE: SCHRITTLOS LADUNGSTRAY EN: FAST WIRELESS CHARGING TRAY</div><div>ES: CARGA INALAMBRICA RÁPIDA FR: CARGA SANS FIL RAPIDE PT: CARGA SEM FIO RÁPIDA RU: БЫСТРОЕ БЕЗПРОВОДНОЕ ЗАРЯДНОЕ УСТРОЙСТВО PL: Szybkie ładowanie bezprzewodowe CZ: Rychlé bezdrátové nabíjení SK: Rýchle bezdrôtové nabitie HU: Gyors vezeték nélküli töltő RO: Încărcare fără fir rapidă BG: Бързо безпроводно зареждане SR: Брзо безпроводно punjenje HR: Brzo bežično punjenje SI: Hitro brezžično polnjenje LT: Greiči bevielė įkėlimo dėklas LV: Ātrās bezvadu lādēšanas ierīce EL: Γρήγορο ασύρματο φορτιστή</div></div></div>	<p>Phonocar 05728 Qi Wireless Charging Tray for Volkswagen T-Roc</p> <p>Install and use the Phonocar 05728 fast wireless charging tray for your Volkswagen T-Roc (2017+) and T-Roc Cabriolet (2019+). Qi certified, easy installation, and safe charging.</p>
<div><div>Phonocar</div><div>04069</div><div>FIAT 500X JEEP Renegade</div><div></div><div><div>IT: INTERFACCIA COMANDI AL VOLANTE DE: LENKSTEUERUNGSSCHWELCHEN EN: STEERING WHEEL COMMANDS INTERFACE</div><div>ES: INTERFACIA DE COMANDOS AL VOLANTE FR: INTERFACE COMMANDES VOLANT PT: INTERFACE DE COMANDOS DO VOLANTE RU: ИНТЕРФЕЙС РУЛЕВОГО КОЛЕСА PL: Interfejs sterowania kierownicą CZ: Rozhraní řízení volantem SK: Rozhranie riadenia volantom HU: Kormánykerék vezérlési felület RO: Interfață de comandă la volan BG: Интерфейс за управление на волана SR: Interfejs upravljanja volanom HR: Interfejs upravljanja volanom SI: Interfejs upravljanja volanom LT: Vairu valdymo sąsaja LV: Stūres vadības ierīce EL: Στεφάνισμα ελαστικού</div></div></div>	<p>Phonocar 04069 Steering Wheel Control Interface for Fiat 500X & Jeep Renegade</p> <p>Retain original steering wheel controls, rear camera, and parking sensors with the Phonocar 04069 interface for Fiat 500X and Jeep Renegade. Supports CAN-BUS/RESISTIVE systems and various car radios.</p>