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› Polarlander Android 9 Car Stereo User Manual for Fiat 500 (2007-2015)

Polarlander F500B12cam

Polarlander Android 9 Car Stereo User Manual for Fiat 500 (2007-2015)

Model: F500B12cam

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Polarlander Android 9 Car Stereo. This unit is designed for Fiat 500 models manufactured between 2007 and 2015, offering a 7-inch HD capacitive touchscreen with advanced features such as Wireless CarPlay, Android Auto, GPS navigation, Bluetooth, FM RDS radio, and mirror link functionality. Please read this manual thoroughly before installation and use to ensure proper function and safety.

PACKAGE CONTENTS

Verify that all components are present in the package:

- Android 9 Car Stereo Unit
- Power Harness with Canbus Decoder
- RCA Cables
- USB Cables
- GPS Antenna
- Reverse Input Cable
- Radio Cable
- 12-LED Reverse Camera (if included in your package)

INSTALLATION GUIDE

Proper installation is crucial for the performance and longevity of your car stereo. If you are unsure about any steps, it is recommended to seek professional assistance.

Pre-Installation Steps:

1. **Disconnect Battery:** Before beginning any electrical work, disconnect the negative terminal of your vehicle's battery to prevent short circuits.
2. **Remove Old Head Unit:** Carefully remove the existing car stereo from your Fiat 500. Refer to your vehicle's service manual for specific instructions on dash panel removal.
3. **Inspect Wiring:** Familiarize yourself with the vehicle's existing wiring harness.

Wiring Connections:

Refer to the wiring diagram below for correct connections. Ensure all connections are secure to prevent intermittent issues or power drains.

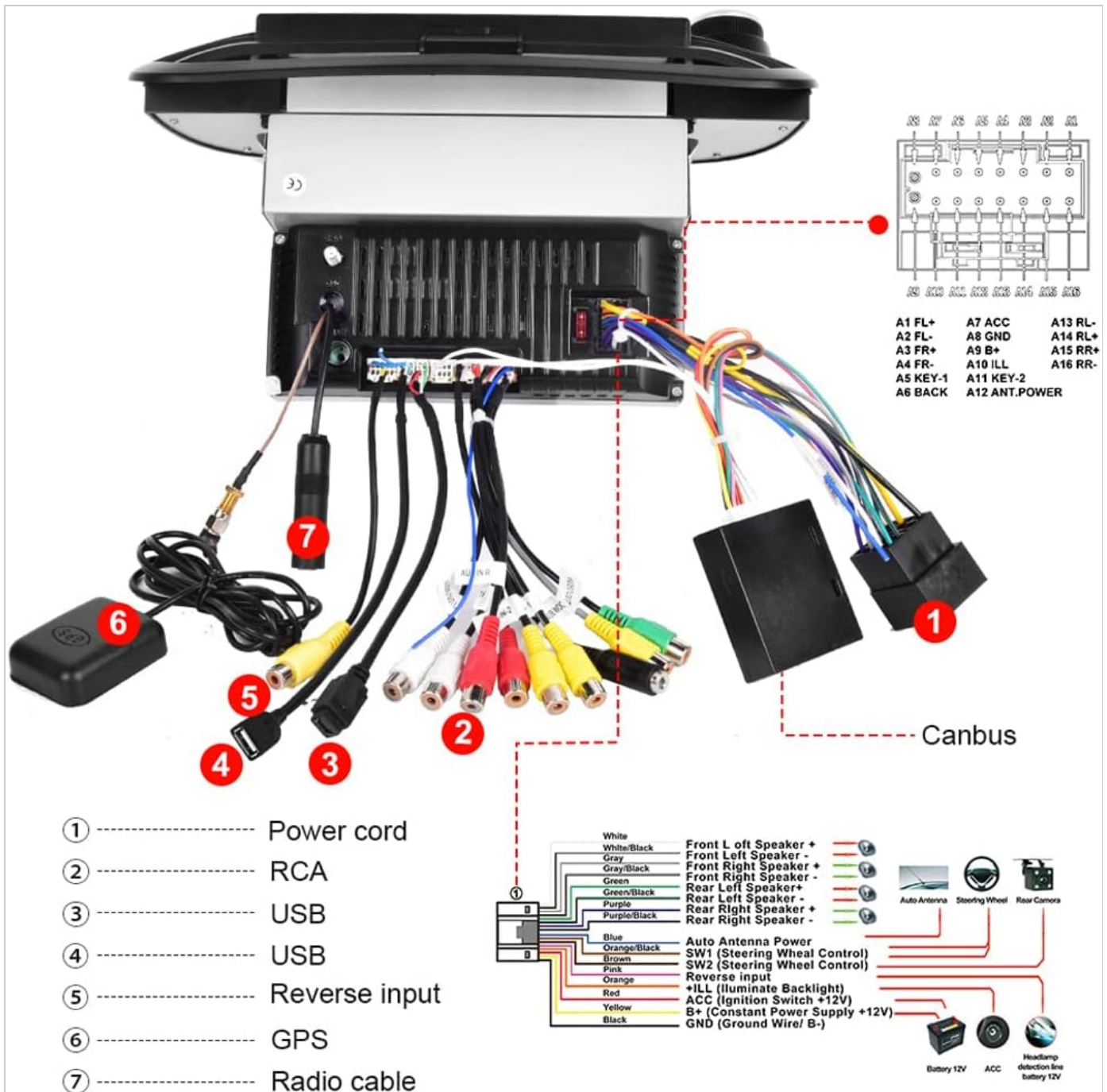


Image: Detailed wiring diagram showing connections for power, RCA, USB, reverse input, GPS, and radio cables.

- **Power Cord (1):** Connects to the vehicle's main power harness.
- **RCA Cables (2):** For audio/video input/output, including subwoofer output.
- **USB Cables (3, 4):** For connecting USB devices, such as flash drives or smartphones.

- **Reverse Input (5):** Connects to the reverse camera signal wire.
- **GPS Antenna (6):** Connect to the GPS port on the back of the unit. Position the antenna in a location with a clear view of the sky.
- **Radio Cable (7):** Connects to the vehicle's FM/AM antenna.

Important Power Connection Notice:

The power harness may include multiple battery connection options (B and C plugs). It is critical to connect the correct one to the main A plug. Incorrect connection can lead to the unit not powering on or causing battery drain issues when the vehicle is off.

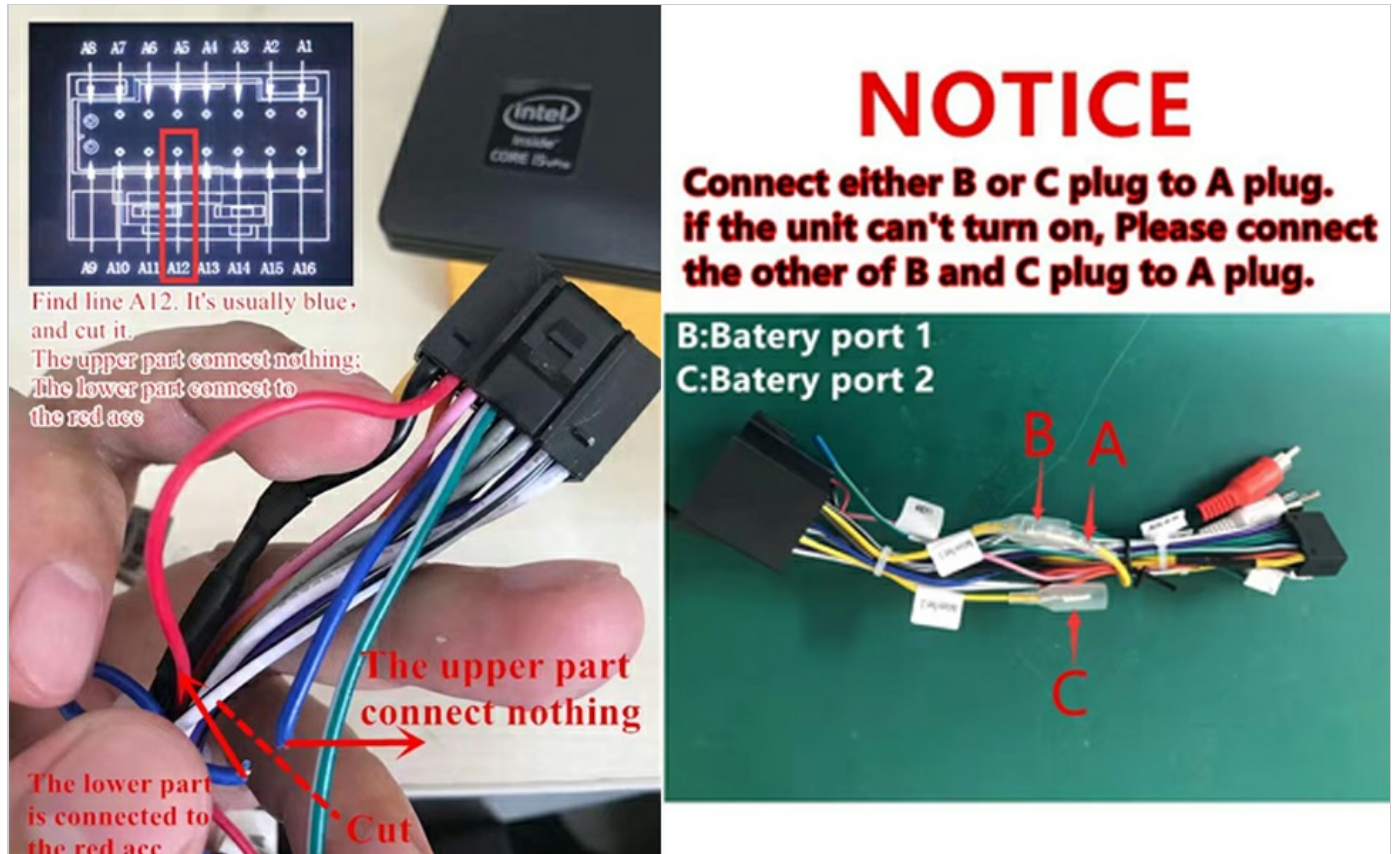


Image: Diagram illustrating the correct connection of battery plugs (B or C) to the main A plug, with a warning about potential issues if incorrectly connected.

Procedure:

1. Connect either the B or C plug to the A plug.
2. Test the unit. If it does not power on, disconnect and try connecting the other B or C plug to the A plug.
3. Ensure the A12 wire (typically blue) is correctly identified. The upper part of this wire should not be connected, while the lower part connects to the red ACC wire. Incorrect handling of this wire can also lead to power issues.

Post-Installation:

1. **Test Functionality:** Before reassembling the dashboard, reconnect the vehicle battery and test all functions of the stereo (power, audio, radio, Bluetooth, GPS, etc.).
2. **Secure Unit:** Once confirmed working, carefully mount the stereo unit into the dashboard.
3. **Reassemble Dash:** Reinstall all removed dash panels.



Image: Comparison showing the original Fiat 500 dashboard radio and the new Polarlander Android 9 Car Stereo installed.

OPERATING INSTRUCTIONS

Basic Operation:

- **Power On/Off:** Press the **POWER** button on the front panel.
- **Volume Control:** Use the rotary knob or touchscreen controls to adjust volume.
- **Menu Navigation:** Use the touchscreen or physical buttons (MENU, BACK, NAVI, BAND, PREV, NEXT) to navigate through the system interface.

Wireless CarPlay & Android Auto:

This unit supports wireless connection for both Apple CarPlay and Android Auto, allowing seamless integration of your smartphone's features.

Android Auto Carplay コネクト

Carplay/Android Auto は USB/WIFI 経由でカープレーヤーに接続します



Image: Display showing the user interface for Wireless CarPlay and Android Auto, with icons for phone, music, maps, and messages.

1. Ensure your phone's Bluetooth and Wi-Fi are enabled.
2. On the car stereo, select the "CarPlay" or "Android Auto" application.
3. Follow the on-screen prompts to pair your smartphone. Once paired, your phone's compatible apps will appear on the stereo display.

GPS Navigation:

The system supports both online and offline navigation. A free GPS antenna is included for accurate positioning.

GPSナビゲーション

ユーザーはオンライン地図またはオフライン地図を体験できます。
より便利なナビゲーションで旅程に安全をもたらします



Image: The car stereo display showing a GPS navigation map with marked locations.

1. **Online Maps:** Connect the unit to Wi-Fi (via home network or phone hotspot) to use online mapping services.
2. **Offline Maps:** Download offline maps from the Player Store for navigation without an internet connection.
3. Ensure the GPS antenna is properly installed and positioned for optimal signal reception.

FM RDS Radio:

Enjoy high-quality FM radio with RDS (Radio Data System) functionality.

FM/RDS ラジオ干渉防止

高性能FMラジオアンプを内蔵しており、安心してご使用いただけます。

山道でもラジオの影響。

耐干渉能力を向上させ、信号損失がなく、

高感度、低消費電力、

自動/手動バンド検索



Image: The car stereo display showing the FM radio interface with frequency display and station presets.

- Access the "Radio" application from the main menu.
- Use the touchscreen or physical buttons to scan for stations, save presets, and view RDS information (if available).

Bluetooth Connectivity:

Pair your smartphone via Bluetooth for hands-free calling and audio streaming.

高品質のBT通話

安全をステアリングホイールに戻し、安全に使いこなし、
BTに接続して通話に応答します
または電話をかけると、自動的に
手動操作なしでアドレス帳を同期する



Image: The car stereo display showing the Bluetooth dial pad and call interface, with a smartphone displaying a contact list.

1. Go to the "Bluetooth" settings on the stereo.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select the car stereo from your phone's list and confirm pairing.
4. Once paired, you can make/receive calls and play music wirelessly.

Mirror Link:

Mirror Link allows you to display your smartphone's screen directly onto the car stereo's display.

ミラーリンク

データケーブル接続を通じて、同じ画面機能を使用できます。
携帯電話ナビゲーションの実現が可能



Image: The car stereo display showing a mirrored smartphone screen, playing video content.

- Connect your smartphone to the stereo via USB cable.
- Select the "Mirror Link" application on the stereo.
- Follow the on-screen instructions to establish the connection.

Reverse Camera:

When properly installed, the reverse camera automatically displays the rear view when the vehicle is shifted into reverse gear.



Image: The car stereo display showing the view from a reverse camera with dynamic parking guidelines.

- Ensure the reverse camera is correctly wired to the "Reverse Input" cable (5) and the camera's power is connected to the vehicle's reverse light circuit.
- The display will automatically switch to the camera view when reverse gear is engaged.

Steering Wheel Control (SWC):

The unit supports steering wheel control functionality, allowing you to operate the stereo without taking your hands off the wheel.

- Access the "Steering Learn" or "SWC Settings" menu in the system settings.
- Follow the on-screen instructions to program the steering wheel buttons to the desired functions.

MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. Do not use abrasive cleaners or solvents.

- **Software Updates:** Periodically check for software updates through the system settings or the manufacturer's website to ensure optimal performance and access to new features.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect power wiring; Blown fuse; Loose connection.	<p>Check power connections, especially the B/C plug to A plug as described in the installation section.</p> <p>Verify the A12 wire connection.</p> <p>Check the vehicle's fuse box and the stereo's inline fuse.</p> <p>Ensure all harness connections are secure.</p>
Vehicle battery drains overnight.	Incorrect constant power (B+) and accessory (ACC) wiring.	<p>Re-check the power harness connections, specifically the B and C plugs to A, and the A12 wire. The unit may be drawing constant power when the vehicle is off.</p> <p>Consult a professional auto electrician if the issue persists.</p>
No sound output.	Speaker wires disconnected; Volume too low; Mute function active; Incorrect audio settings.	<p>Check speaker wire connections.</p> <p>Increase volume.</p> <p>Deactivate mute.</p> <p>Verify audio output settings in the system menu.</p>
GPS signal is weak or inaccurate.	GPS antenna improperly placed or disconnected.	<p>Ensure the GPS antenna is securely connected.</p> <p>Relocate the GPS antenna to a position with a clear view of the sky (e.g., on the dashboard near the windshield).</p>
Bluetooth pairing issues.	Bluetooth not enabled; Incorrect pairing procedure; Interference.	<p>Ensure Bluetooth is enabled on both the stereo and your smartphone.</p> <p>Delete previous pairings on both devices and try again.</p> <p>Move closer to the unit if experiencing range issues.</p>

SPECIFICATIONS

Feature	Detail
Model Number	F500B12cam (2A4S3-B700)
Operating System	Android 9
Display	7-inch HD Capacitive Touchscreen
Memory	1GB RAM + 32GB ROM
Connectivity	Bluetooth, USB, Wi-Fi
Special Features	Wireless CarPlay, Android Auto, GPS Navigation, FM RDS Radio, Mirror Link, Steering Wheel Control, Reverse Camera Input
Audio Output Mode	Stereo
Surround Sound	5.1 Channel Configuration
Output Power	180 Watts (4 Channels)

Feature	Detail
Compatible Devices	Smartphone (Android, iOS)
Video Encoding	H.264, MPEG-4, MPEG-2, others
Supported Formats	AVI, WAV, WMA
Dimensions (Unit)	Approximately 200mm (W) x 125mm (H) x 155mm (D)
Manufacturer	PolarLander

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Polarlander customer service directly. Keep your proof of purchase for warranty claims. For further assistance, visit the official Polarlander website or contact their support channels.

