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› Roinvou 9-Inch Android Car Stereo User Manual for Subaru Forester, Impreza, WRX, STI (2008-2012)

Roinvou 4+64G (8 Core)

Roinvou 9-Inch Android Car Stereo User Manual

For Subaru Forester, Impreza, WRX, STI (2008-2012) - Model: 4+64G (8 Core)

1. INTRODUCTION AND OVERVIEW

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Roinvou 9-inch Android Car Stereo. Designed specifically for Subaru Forester, Impreza, WRX, and STI models from 2008 to 2012, this unit integrates advanced features such as Wireless CarPlay, Android Auto, Bluetooth 5.0, GPS navigation, and a high-definition IPS touch screen to enhance your driving experience.

Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize the benefits of your new car stereo system.



Figure 1.1: Roinvou 9-inch Android Car Stereo main unit with display.

2. PRODUCT FEATURES

- **Compatibility:** Specifically designed for Subaru Forester, Impreza, WRX, STI (2008-2012).
- **Operating System:** Latest Android System with 8-Core CPU for smooth performance.
- **Memory & Storage:** 4GB RAM + 64GB Internal Storage.
- **Display:** 9-inch IPS Touch Screen with 1280*720 resolution, offering high-definition visuals.
- **Smartphone Integration:** Supports Wireless/Wired Apple CarPlay and Android Auto.
- **Mirror Link:** Wireless and Wired Mirror Link functionality for Android and iOS devices.
- **Connectivity:** Built-in Bluetooth 5.0, WiFi, and GPS navigation.
- **Audio:** 32-band EQ for sound customization, FM/RDS Radio.

- **Safety:** Supports AHD Backup Camera input and Steering Wheel Control (SWC).
- **Customization:** Equipped with 19 wallpaper options and 59 UI desktop themes.



Figure 2.1: Illustration of the powerful Android system and memory configuration.

3. SETUP AND INSTALLATION

The Roinvou Android Car Stereo is designed for direct fitment in compatible Subaru models. It includes the head unit, wiring harness cables, and a frame panel. Professional installation is recommended.

3.1. Package Contents

Verify that all components are present in the package:

- Roinvou 9-inch Android Car Stereo

- Dual Power Cable
- Original USB Cable
- Radio Antenna
- RCA Cable
- GPS Antenna
- AHD Backup Camera
- External Microphone
- Rear Camera Input Cable
- Dual USB Cable
- Installation Tool

Reversing Camera Wiring



Figure 3.1: Product dimensions and included accessories list.

3.2. Wiring Connections

Carefully connect the provided wiring harness to your vehicle's existing wiring. Ensure all connections are secure to prevent malfunctions.

- **Power Amplifier:** If your vehicle has a stock power amplifier, connect the original AMP control cable to the ACC power cable of the stereo.
- **Power Cable Port:** Before purchasing and installing, verify that the power cable port on the stereo matches your original car's port.
- **Backup Camera:** Connect the AHD backup camera as per the wiring diagram. The system supports automatic switching to the reverse image when the vehicle is in reverse.

Power Cord Port Display

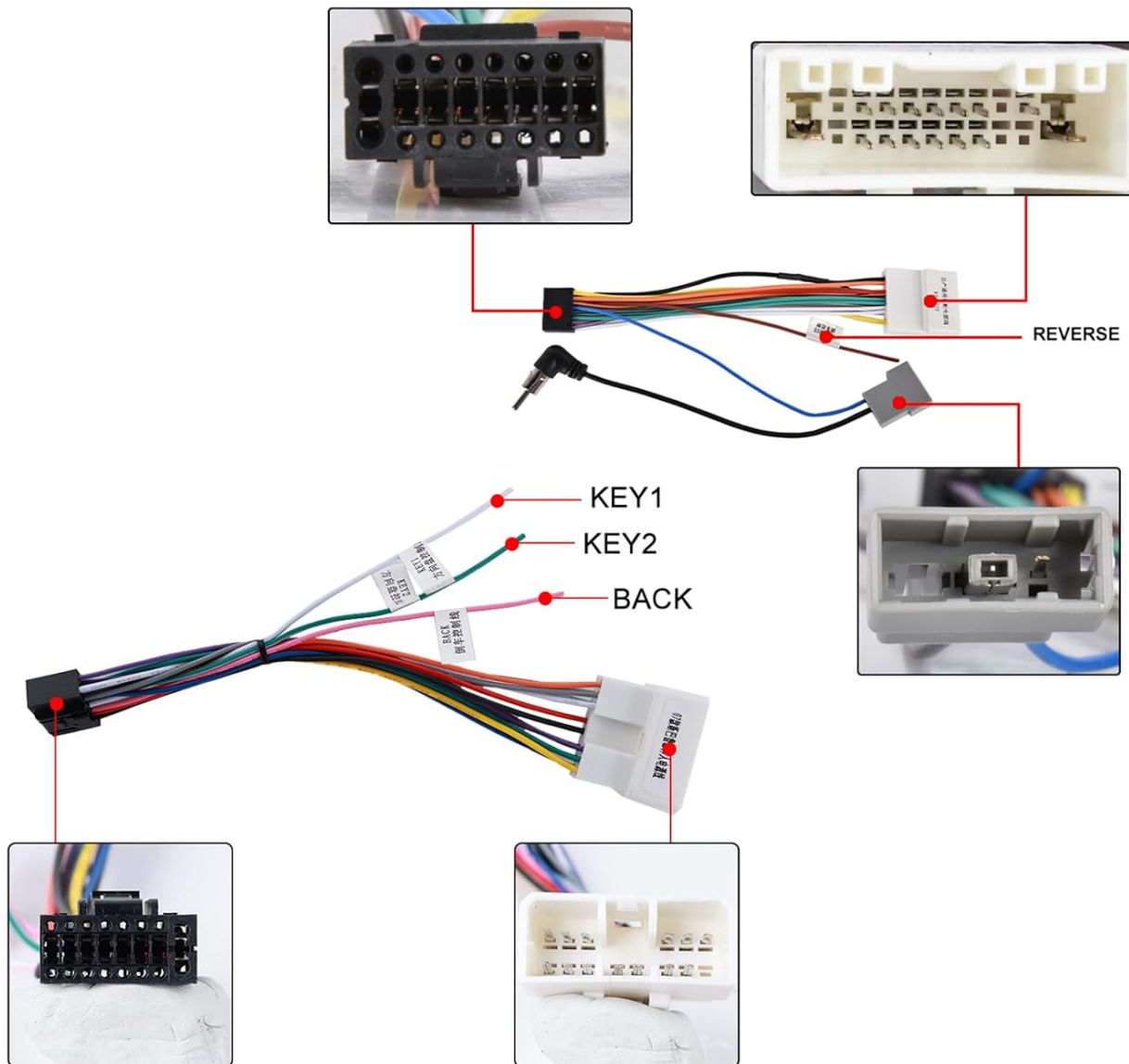


Figure 3.2: Power cord port display and wiring diagram.

For Subaru Forester Impreza WRX STI 2008-2012



Figure 3.3: Before and after installation view in a Subaru dashboard.

4. OPERATING INSTRUCTIONS

4.1. User Interface and Customization

The stereo features a user-friendly Android interface. You can customize the look and feel by selecting from 19 pre-installed wallpapers and 59 UI desktop themes. Navigate through menus using the responsive IPS touch screen.

4.2. Wireless/Wired CarPlay & Android Auto

Connect your smartphone for seamless integration:

- **Wireless Connection:** Pair your phone via Bluetooth for wireless CarPlay or Android Auto.

- **Wired Connection:** Use the original USB data cable to connect your phone for wired CarPlay or Android Auto.

Once connected, you can access navigation, make calls, send messages, and listen to music directly from the stereo display, utilizing voice control via Siri or Google Assistant.

4.3. Mirror Link

Mirror Link allows you to display your smartphone screen directly on the car stereo. This feature supports both wireless (via WiFi) and wired (via USB) connections for Android and iOS devices, enabling you to enjoy videos and other content on the larger screen.



Figure 4.1: Wireless CarPlay, Android Auto, and Mirror Link connectivity options.

4.4. Bluetooth 5.0

The built-in Bluetooth 5.0 module ensures a stable connection for hands-free calling, phone book synchronization, and wireless audio streaming from your smartphone.

4.5. GPS Navigation and WiFi

The unit supports both offline and online GPS navigation. Connect to WiFi to access online maps, stream content, and download applications.

5. AUDIO AND DISPLAY

5.1. Audio Equalizer (32 EQ)

Utilize the pre-installed car tuning software with 32-band EQ technology to fine-tune audio frequencies, sound types, and balance. This allows for optimization of sound quality to compensate for original speaker characteristics and personal preferences.

5.2. FM/RDS Radio

Access local and regional radio stations with the built-in FM/RDS tuner. RDS (Radio Data System) provides additional information such as station name, program type, and real-time traffic updates.

5.3. IPS Touch Screen

The 9-inch IPS touch screen offers a wide viewing angle and vibrant colors with a resolution of 1280*720. It is designed to be scratch-resistant and anti-knock, providing durability and a clear visual experience.

1080P IPS Touch Screen



1280*720



High Temperature Protection



Scratch-Resistant



Anti-Knock

Figure 5.1: 1080P IPS Touch Screen features.

6. SAFETY FEATURES

6.1. Backup Camera

The system includes an AHD backup camera. When the vehicle is shifted into reverse, the stereo automatically displays the rear view, providing parking assistance with dynamic guidelines.

6.2. Steering Wheel Control (SWC)

The unit supports your vehicle's existing steering wheel controls. This allows you to manage audio playback, answer calls, and navigate menus without taking your hands off the steering wheel, enhancing driving safety.



Figure 6.1: Reverse image display and steering wheel control interface.

7. SPECIFICATIONS

Detailed technical specifications for the Roinvou Android Car Stereo:

Feature	Specification
System	Latest Android System
Memory (RAM)	4GB
Storage (ROM)	64GB
Processor	8 Core

Feature	Specification
Screen Size	9 Inches
Screen Resolution	1280*720 (IPS)
Bluetooth Version	5.0
Audio Output Mode	Stereo
EQ Bands	32-band
Radio Tuner	FM/RDS
Connectivity	Bluetooth, USB, Wi-Fi
Map Type	North America (Pre-installed)
Product Dimensions	10.83 x 1.97 x 8.27 inches
Item Weight	3.21 pounds

Product Relevancy Information

System:	Latest Android System
Memory:	4+64GB
Processor:	8 Core
Internet Access:	WiFi
Bluetooth Version:	5.0
High Quility Sound:	DSP 32EQ
Radio:	FM RDS
Screen Resolution:	1280*720
Factory Code:	1234
Carplay & Android Auto:	Support Wireless and Wired
Mirror Link:	Support Wireless and Wired
External Mic:	Support
Steering Wheel Control:	Support
Power Output:	4*45W
Audio Format:	APE/FLAC/WAV/MP3/WMA etc
Video Format:	MKV/RMVB/AVI/MP4/MDV etc

Figure 7.1: Product Relevancy Information and Specifications.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your Roynvou Android Car Stereo.

8.1. Connectivity Issues (CarPlay/Android Auto/Wi-Fi)

- **Stuttering/Disconnections:** Ensure your phone's Bluetooth and Wi-Fi are enabled and stable. For wired connections, use the original USB cable and check for proper seating. Restarting both the stereo and your phone can often resolve temporary glitches.
- **Wi-Fi Not Connecting:** Verify that the Wi-Fi signal is strong. If the issue persists, try forgetting the network on the stereo and reconnecting.

8.2. Microphone Quality

- **Poor Audio During Calls:** Ensure the external microphone is securely connected and positioned correctly, away from direct airflow or obstructions. Test microphone settings within the stereo's audio menu.

8.3. Clock Resetting

- **Time Inaccuracy:** Check the date and time settings in the Android system. Ensure 'Automatic date & time' and 'Automatic time zone' are enabled, using network-provided time. If the issue persists, manually set the time.

8.4. Slow Performance

- **System Lag:** Close unnecessary background applications. Periodically clear the system cache. If performance remains slow, a factory reset (after backing up important data) might be considered as a last resort.

8.5. Charging Issues via USB

- **Slow or No Charging:** USB ports on car stereos are primarily for data transfer and may not provide high-speed charging. Ensure the cable is functional. For faster charging, use a dedicated car charger.

9. WARRANTY AND SUPPORT

Roinvou is committed to providing quality products and customer satisfaction. For any technical assistance, warranty claims, or product inquiries, please contact our support team.

9.1. Customer Support

For support, you can reach Roinvou customer service via email:

Email: roinvouservices@163.com

Please include your product model and a detailed description of your issue for faster assistance.

9.2. Protection Plans

Extended protection plans may be available for your product. Please refer to your purchase documentation or retailer for details on available 2-Year or 3-Year protection plans.

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Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question