

RONGJI BRV 2015-2021 9-inch Android Head Unit (8Core 8+256GB)

RONGJI 9-inch Android Car Stereo Head Unit User Manual

For Honda BRV 2015-2021 Models

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your RONGJI 9-inch Android Car Stereo Head Unit. Please read this manual thoroughly before installation and use to ensure proper function and to maximize your user experience. This unit is designed for Honda BRV models manufactured between 2015 and 2021.

2. PRODUCT OVERVIEW AND KEY FEATURES

The RONGJI Android Car Stereo Head Unit is an advanced in-dash navigation and entertainment system. It features a high-resolution IPS touch screen and runs on the Android 13 operating system, offering a responsive and intuitive interface.

- **Operating System:** Android 13.0
- **Processor:** Octa-Core CPU for enhanced performance
- **Memory & Storage:** 8GB RAM + 256GB ROM (specific to this model variant)
- **Display:** 9-inch IPS Capacitive Touch Screen with 1280*720 resolution
- **Connectivity:** Built-in Wireless CarPlay & Android Auto, Bluetooth (hands-free calling & music streaming), WiFi (hotspot support)
- **Navigation:** Integrated GPS module with external GPS antenna for online/offline maps
- **Audio:** FM/AM/RDS Radio, Built-in DSP (Digital Sound Processor) for customizable audio settings
- **Control:** Steering Wheel Control (SWC) support
- **Rear View:** Supports rear view camera input (camera not included)
- **Multitasking:** Split-screen function to display two applications simultaneously

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package. Contents may vary slightly based on the specific model variant (4-Core vs. 8-Core).

Package Contents



Machine



Power Cable

For 4 Core



RCA Cable



Reversing Camera



USB Cable



MIC



GPS Antenna

For 8 Core



RCA Cable



Reversing Camera



USB plug*2



Audio Out



4G Antenna



GPS Antenna



MIC

Image 3.1: Package contents for the RONGJI 9-inch Android Car Stereo. This includes the main head unit, power cable, RCA cables, USB cables, microphone, GPS antenna, and for 8-Core models, an additional 4G antenna and audio out cables.

- Main Head Unit (Machine)
- Power Cable Harness
- RCA Cable Set
- USB Cables (Quantity may vary by model)
- External Microphone
- GPS Antenna
- 4G Antenna (for 8-Core models)
- Audio Out Cables (for 8-Core models)
- User Manual (this document)

Note: A reversing camera is often listed as an accessory but may not be included with all packages. Please check your specific product listing.

4. SETUP AND INSTALLATION

Professional installation is recommended for this product. Incorrect wiring can damage the unit or your vehicle's electrical system. Ensure the vehicle's battery is disconnected before beginning installation.

4.1 Vehicle Compatibility Check

Before installation, confirm that this head unit is compatible with your Honda BRV (2015-2021). Compare the shape of your vehicle's dashboard and existing stereo with the product images. If unsure, consult with a professional installer or the seller.



Image 4.1: RONGJI 9-inch Android Car Stereo installed in a Honda BRV dashboard, demonstrating fitment.

4.2 General Installation Steps

1. **Disconnect Battery:** Always disconnect the negative terminal of your vehicle's battery before starting any electrical work.
2. **Remove Old Head Unit:** Carefully remove the existing factory radio and dashboard trim. Refer to your vehicle's service manual for specific instructions.
3. **Connect Wiring Harness:** Connect the provided power cable harness to the vehicle's wiring. Ensure all connections are secure.
4. **Connect Antennas:** Connect the GPS antenna and, if applicable, the 4G antenna. Position them in a location with clear signal reception, away from metal obstructions.
5. **Connect Peripherals:** Connect RCA cables for external amplifiers, USB cables, and the external microphone. If installing a rear view camera, connect its video and power cables.
6. **Test Connections:** Before fully reassembling the dashboard, reconnect the battery and perform a basic test of the head unit's functions (power on, audio, touch screen, basic navigation).
7. **Secure Head Unit:** Mount the new head unit securely into the dashboard opening.
8. **Reassemble Dashboard:** Reinstall all dashboard trim pieces.

Important: For rear view camera installation, locate the 12V reverse trigger wire in your vehicle's main connector. This wire needs to be connected to the 'BACK' wire of the stereo and the camera harness. The camera's ground wire should be connected to a vehicle ground point.

5. OPERATING INSTRUCTIONS

The RONGJI head unit operates similarly to an Android tablet. Familiarize yourself with the touch screen interface and the main menu.

5.1 Basic Operation

- **Power On/Off:** Press and hold the power button (if available) or turn on your vehicle's ignition.
- **Touch Screen:** Navigate through menus and applications by tapping, swiping, and pinching on the screen.
- **Home Screen:** Access frequently used apps and widgets from the customizable home screen.
- **Volume Control:** Adjust volume using the physical buttons on the unit or steering wheel controls.

5.2 Split Screen Function

This unit supports split-screen mode, allowing two applications to run side-by-side. For example, you can have navigation on one side and music playback on the other.

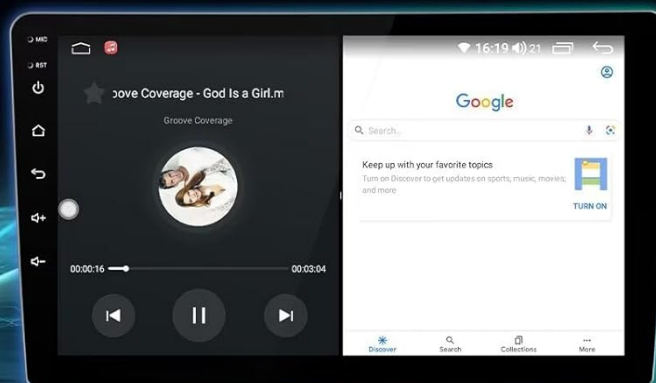
HD Capacitive Split Touch Screen

Support for two applications to be displayed on the screen at the same time which makes the operation more convenient and faster

WEB+FM / MAP+FM etc...



Music+WEB



Steering Wheel Control

Take control of the music or use hands-free calling function for safety to and concentrate on the road ahead. This head unit's steering wheel control (SWC) works with a digital SWC.

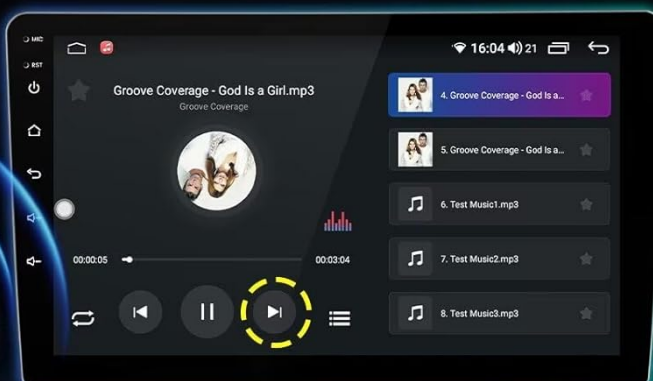


Image 5.1: The head unit displaying two applications simultaneously using the split-screen feature, such as a web browser and a music player.

To activate split screen, open an application, then long-press the recent apps button or drag an app icon to one side of the screen (method may vary slightly based on Android version).

6. CONNECTIVITY FEATURES

6.1 CarPlay and Android Auto

The unit features built-in Wireless CarPlay and Android Auto for seamless smartphone integration. This allows access to navigation, music, calls, and messages directly from your phone's interface on the head unit screen.



Image 6.1: Diagram showing support for both wired and wireless Apple CarPlay and Android Auto connections.

- **Wireless Connection:** Connect your smartphone via Bluetooth for wireless CarPlay or Android Auto.
- **Wired Connection:** For wired Android Auto or CarPlay, connect your phone using its original USB cable to the unit's USB port.
- **Activation:** Access these features through the dedicated 'TLink' app or similar application on the head unit.

6.2 Bluetooth

The integrated Bluetooth module supports hands-free calling and audio streaming. Pair your phone to make and receive calls safely and play music from your device.

- **Pairing:** Go to the Bluetooth settings on the head unit and your phone, search for available devices, and select the head unit's name to pair.
- **Hands-Free Calling:** Use the built-in microphone or an external microphone for clear call quality.
- **Music Streaming:** Play audio from your phone's music apps directly through the car speakers.

6.3 WiFi and GPS Navigation

The unit includes a built-in WiFi receiver and GPS module.

GPS accurate positioning

Built-in global positioning system , omni-directional map display , synchronous display real-time traffic conditions ,rapid and accurate positioning

GPS | GLONASS | BDS



Support WIFI

Built-in Wifi module allows you to watch online videos, listen to music, play games, and navigate online when connected to wifi.

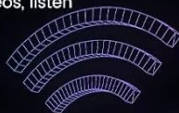


Image 6.2: The head unit demonstrating GPS accurate positioning and support for WiFi connectivity to access online content.

- **WiFi:** Connect to your home WiFi network or a mobile hotspot to access online features, download apps, and stream content.
- **GPS Navigation:** The unit supports various navigation applications. You can use online maps with a WiFi connection or download offline maps for navigation without internet access.

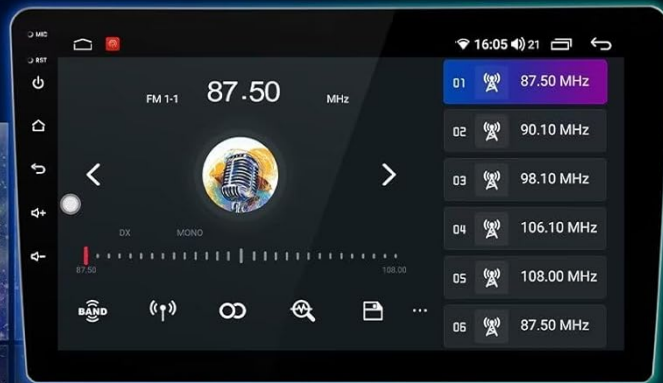
7. AUDIO FEATURES

7.1 FM/AM RDS Radio

Enjoy your favorite radio stations with the built-in FM/AM tuner, featuring RDS (Radio Data System) for displaying station information.

FM / AM RDS Radio

supports automatic search and manual search , You can drag the icon of target station and replace it into channel list



DSP Processor

Because we have a powerful DSP chip , we support equalizer adjustments which means you have more power to control the sound of various frequencies

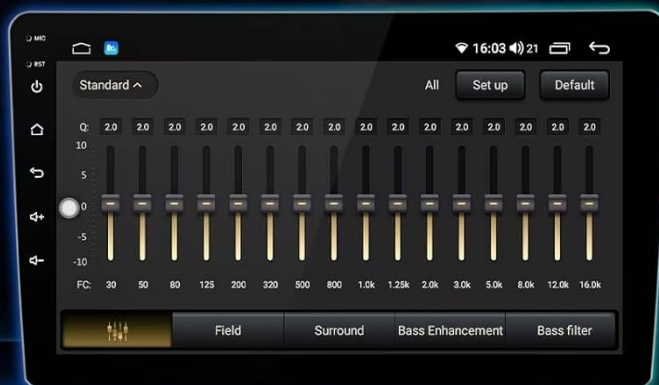


Image 7.1: The head unit displaying the FM/AM radio interface and the Digital Sound Processor (DSP) equalizer settings.

- **Automatic Search:** Scan and save available radio stations automatically.
- **Manual Tuning:** Fine-tune to specific frequencies.
- **RDS:** View station names, song titles, and other broadcast information where available.

7.2 DSP Processor

The integrated Digital Sound Processor (DSP) allows for precise audio customization. Adjust equalizer settings to match your preferences and optimize sound quality.

- **Equalizer:** Access various preset EQ modes or create custom settings.
- **Sound Field:** Adjust sound staging and balance.
- **Bass Enhancement:** Enhance low-frequency response.

8. STEERING WHEEL CONTROL (SWC)

The head unit supports your vehicle's existing steering wheel controls, allowing you to manage audio playback,

calls, and other functions without taking your hands off the wheel.

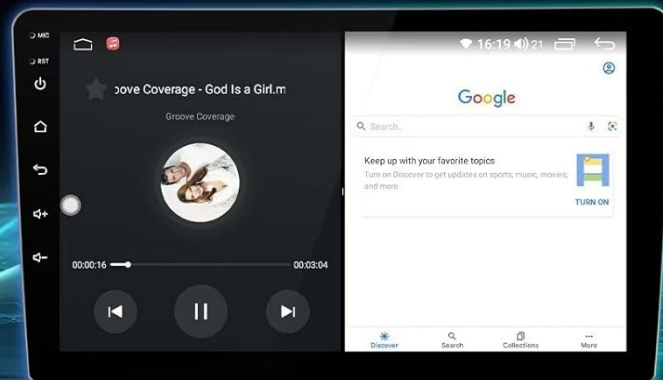
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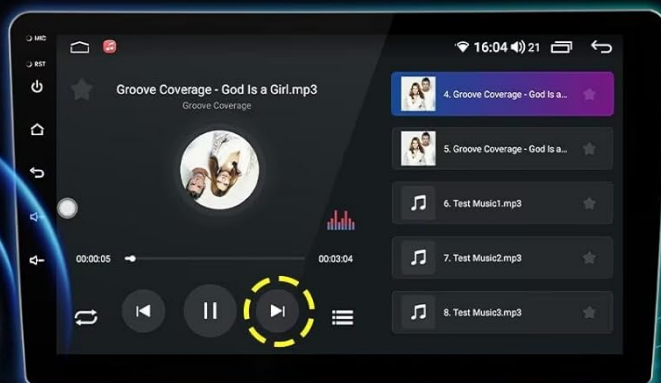


Image 8.1: Illustration of steering wheel controls being used to manage music playback on the head unit.

- **Configuration:** Access the 'Steering Wheel' or 'SWC' app in the unit's settings to map your vehicle's steering wheel buttons to specific functions.
- **Functions:** Typically includes volume up/down, track skip, mode change, and answer/end call.

9. MAINTENANCE

To ensure the longevity and optimal performance of your RONGJI head unit, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates through the unit's settings (if available) or the manufacturer's website to ensure you have the latest features and bug fixes.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods, as this can affect performance and lifespan.

- **Ventilation:** Ensure the unit's ventilation openings are not blocked to prevent overheating.

10. TROUBLESHOOTING

If you encounter issues with your head unit, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, vehicle battery issue	Check power cable connections. Inspect vehicle fuses. Verify vehicle battery charge.
No sound	Volume too low, mute activated, incorrect audio settings, loose speaker wires	Increase volume. Check if mute is active. Verify audio output settings. Inspect speaker wiring.
GPS signal lost or inaccurate	GPS antenna obstruction, faulty antenna, software issue	Ensure GPS antenna has a clear view of the sky. Check antenna connection. Restart navigation app or unit.
Bluetooth not connecting	Phone not in pairing mode, incorrect pairing process, interference	Ensure phone's Bluetooth is on and discoverable. Re-attempt pairing. Clear previous pairings.
CarPlay/Android Auto not working	Incorrect connection method (wired/wireless), app not launched, phone compatibility	Verify wired connection with original USB cable. Ensure wireless connection via Bluetooth. Launch 'TLink' app. Check phone compatibility.
Rear view camera not displaying	Incorrect wiring, camera not powered, faulty camera	Check camera power and video connections. Ensure the 'BACK' trigger wire is correctly connected to the reverse light signal.

If the problem persists after attempting these solutions, please contact customer support.

11. SPECIFICATIONS

Feature	Specification
Operating System	Android 13
Processor	Octa-Core
Memory (RAM)	8 GB
Storage (ROM)	256 GB
Screen Size	9 Inches
Display Resolution	1280 x 720
Display Type	IPS Capacitive Touch Screen
Connectivity	Bluetooth, WiFi

Feature	Specification
Special Features	CarPlay, Android Auto, DSP, GPS Navigation, Steering Wheel Control, Rear View Support
Audio Output Mode	Stereo
Map Type	Worldwide
Vehicle Service Type	Car (Honda BRV 2015-2021)
Manufacturer	Shenzhen Rongji Electronics Co., Ltd

12. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer. RONGJI is committed to providing customer satisfaction.

Customer Support

If you have any questions, require technical assistance, or need to report an issue, please contact our customer service team:

Email: Rongji08@outlook.com



Image 12.1: RONGJI Customer Service contact information.