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## RONGJI 4Core 1+32GB

# RONGJI Car Radio User Manual

Model: 4Core 1+32GB for Kia Ceed (2018-2021)

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your RONGJI Car Radio, model 4Core 1+32GB, designed specifically for Kia Ceed vehicles manufactured between 2018 and 2021. Please read this manual thoroughly before using the product to ensure proper function and safety.



Image: RONGJI Car Radio installed in a Kia Ceed dashboard, showing the 9-inch IPS touch screen displaying a Car-Play interface. The image contrasts 'Before installation' with the original radio and 'After installation' with the new RONGJI unit.

## VEHICLE COMPATIBILITY

This RONGJI Car Radio is an upgrade replacement dash kit specifically designed for Kia Ceed models from 2018 to 2021. For vehicles equipped with an OEM backup camera or amplifier, it is recommended to provide photos of your car's dashboard to the technical support team for specific guidance before installation.

## PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Main Head Unit (Machine)
- Canbus Box
- RCA Cable
- Reversing Camera Cable (for optional reversing camera, camera not included)
- USB Cable

- Microphone (MIC)
- GPS Antenna

# Package Contents



Machine



Canbus Box



Image: Diagram showing the package contents for the RONGJI Car Radio. It includes the main head unit, Canbus box, RCA cable, reversing camera cable, USB cable, microphone, and GPS antenna for the 4 Core version.

## SETUP AND INSTALLATION

The RONGJI Car Radio is designed as a complete plug-and-play kit, making DIY installation straightforward. However, professional installation is recommended if you are unfamiliar with car electronics.

### Pre-Installation Checklist:

1. Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
2. Verify all package contents are present.
3. If your vehicle has an OEM backup camera or amplifier, consult technical support with dashboard photos for specific wiring instructions.

### Installation Steps (General):

1. Carefully remove the existing car radio and dashboard trim. Refer to your vehicle's service manual for specific removal procedures.
2. Connect the main power harness from the new head unit to the vehicle's wiring harness.
3. Connect the Canbus box to integrate with the vehicle's systems, such as steering wheel controls.
4. Connect the RCA cables for audio output, if applicable.
5. Install the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
6. Connect the external microphone for improved call quality.
7. If installing a reversing camera (not included), connect its cable to the designated input on the head unit.
8. Securely mount the new RONGJI head unit into the dashboard opening.
9. Reconnect the vehicle's battery and test all functions before reassembling the dashboard trim.

## OPERATING INSTRUCTIONS

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### Basic Operation and Touch Screen

The unit features a 9-inch IPS capacitive touch screen with a resolution of 1280\*720, providing a clear and responsive user experience. Navigate through menus and applications by tapping, swiping, and pinching gestures, similar to a smartphone or tablet.

### Car-Play and Android Auto

The RONGJI Car Radio includes built-in Car-Play and Android Auto functionality, supporting both wireless and wired connections. This allows for seamless integration of your smartphone, providing access to navigation, music, calls, and other applications directly on the head unit's display.

- **Wired Connection:** Connect your smartphone to the unit's USB port using a compatible USB cable.
- **Wireless Connection:** Ensure Bluetooth and Wi-Fi are enabled on your smartphone and follow the on-screen prompts to pair with the head unit.



Image: Screenshots showing Car-Play and Android Auto interfaces on the RONGJI Car Radio. Car-Play displays app icons like Phone, Music, Maps, Messages, while Android Auto shows YouTube, Spotify, and other apps. Both are labeled as supporting wired and wireless connections.

## Bluetooth (BT) Function

The unit supports Bluetooth for hands-free calling and music streaming. Pair your smartphone to make and receive calls directly through the head unit and stream audio from your phone's music player. The unit has a built-in microphone and supports an external microphone for enhanced call clarity.

- **Pairing:** Go to the Bluetooth settings on the head unit and your phone, search for available devices, and select the RONGJI unit to pair.
- **Hands-Free Calling:** Once paired, you can dial numbers, answer, and end calls directly from the touch screen.
- **Music Streaming:** Play music from your phone via Bluetooth, controlling playback from the head unit.

## FM RDS Radio

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



## Support BT Function

Phonebook with name search function and caller name display directly . Incoming calls , dialed calls , missed calls with caller ID Support BT music streaming



BT music



Sync contacts



Synchronous callrecord



Image: Screenshots demonstrating the FM RDS Radio and Bluetooth functions of the RONGJI Car Radio. The radio interface shows frequency tuning, while the Bluetooth interface displays a phone dial pad and an incoming call screen with options to answer or decline.

## FM & RDS Radio

Enjoy stable radio frequencies with the built-in FM and RDS (Radio Data System) tuner. The unit supports automatic and manual station searching. RDS provides additional information such as station name, program type, and traffic announcements where available.

- **Auto Search:** Access the radio application and select the auto-search function to scan and save available stations.
- **Manual Tuning:** Manually adjust the frequency to find specific stations.
- **Presets:** Save your favorite stations for quick access.

## GPS Navigation

The unit includes a built-in GPS module and an external GPS antenna, enabling online and offline map navigation. You can download free maps for any country after connecting to Wi-Fi, ensuring navigation capabilities even without a mobile data signal.

- **Online Navigation:** Use pre-installed or downloaded navigation apps with an active internet

connection.

- **Offline Navigation:** Download maps for offline use to navigate without an internet connection.
- **GPS Antenna:** Ensure the external GPS antenna is properly installed and positioned for optimal signal reception.



Image: Screenshots illustrating GPS accurate positioning and Wi-Fi support on the RONGJI Car Radio. The GPS screen shows a map with navigation details, while the Wi-Fi section depicts a car connected to various online services and apps.

## Wi-Fi Connectivity

With a built-in 5G Wi-Fi receiver, the unit supports Wi-Fi and hotspot connections, offering high performance and low power consumption. Connect to a Wi-Fi network to download apps, stream online videos, listen to music, play games, and navigate online.

- **Connecting to Wi-Fi:** Access the Wi-Fi settings, scan for available networks, and enter the password if required.
- **Hotspot Connection:** You can also connect to your smartphone's mobile hotspot for internet access.

## Steering Wheel Control (SWC)

The unit supports steering wheel control, allowing you to manage functions like switching songs or answering calls directly from your vehicle's steering wheel buttons. This feature enhances driving safety by

minimizing distractions.

- **Configuration:** After installation, access the SWC settings in the unit's menu to map your vehicle's steering wheel buttons to the desired functions.

## 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

WEP+FM / MAP+FM etc...



### Music+MAP



## 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: Screenshots demonstrating HD Capacitive Split Touch Screen and Steering Wheel Control functions. The split screen shows music playback alongside a map, while the steering wheel control section highlights how buttons on the steering wheel can control media playback on the head unit.

## Split Screen Function

The split screen function allows you to display two applications simultaneously on the 9-inch screen. For example, you can view navigation maps while controlling music playback, enhancing convenience and multitasking capabilities.

- **Activating Split Screen:** Refer to the unit's software interface for instructions on how to activate and manage split-screen mode, typically by long-pressing an app icon or using a dedicated button.

## Rear View Camera Support

The head unit supports a rear view camera (camera not included). When a compatible camera is connected and the vehicle is in reverse gear, the display will automatically switch to the camera feed, assisting with parking and maneuvering.

## MAINTENANCE

To ensure the longevity and optimal performance of your RONGJI Car Radio, 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 abrasive materials or harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and crevices.
- **Software Updates:** Periodically check for software updates provided by RONGJI to ensure the unit has the latest features and bug fixes. Updates can typically be downloaded via Wi-Fi.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods, as this can affect its electronic components.

## TROUBLESHOOTING

If you encounter issues with your RONGJI Car Radio, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Unit does not power on.	Check power connections and vehicle's fuse box. Ensure the battery is properly connected.
No sound.	Verify speaker connections. Check volume settings on the unit and ensure mute is not activated. Confirm RCA cables are correctly connected.
GPS signal is weak or inaccurate.	Ensure the GPS antenna is installed in a location with a clear view of the sky. Check antenna connection.
Bluetooth connection issues.	Ensure Bluetooth is enabled on both the unit and your phone. Delete previous pairings and try re-pairing. Restart both devices.
Touch screen unresponsive.	Restart the unit. If the problem persists, a factory reset might be necessary (note: this will erase user data).
Steering Wheel Controls not working.	Check Canbus box connection. Ensure SWC settings are correctly configured in the unit's menu.

If these solutions do not resolve the issue, please contact RONGJI technical support for further assistance.

## SPECIFICATIONS

Feature	Detail
Brand	RONGJI
Model	4Core 1+32GB
Operating System	Android 13.0

Feature	Detail
CPU	4 Core
RAM	1GB
ROM (Memory Storage)	32GB
Screen Size	9 Inches
Display Type	IPS LCD
Screen Resolution	1280*720
Touch Screen Type	Capacitive
Connectivity Technology	Bluetooth, Wi-Fi
Wi-Fi	Built-in 5G Wi-Fi Receiver
Bluetooth	Supports hands-free calling, BT music streaming
GPS Navigation	Built-in GPS module, external GPS antenna, supports online/offline maps
Car-Play & Android Auto	Built-in, supports Wireless/Wired connection
Steering Wheel Control (SWC)	Supported
Rear View Camera Support	Yes (camera not included)
Manufacturer	Shenzhen Rongji Electronics Co., Ltd

## WARRANTY AND SUPPORT

Your RONGJI Car Radio comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards.

For any technical assistance, installation queries, troubleshooting, or warranty claims, please contact RONGJI technical support. Our team is available to provide professional guidance and solutions.

*Please retain your proof of purchase for warranty validation.*