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> [EKAT](#) /

> [EKAT Android Car Radio User Manual for Jeep Renegade \(2015-2020\) - Model 4G+64G](#)

EKAT 4G+64G

EKAT Android Car Radio User Manual

For Jeep Renegade (2015-2020) - Model 4G+64G

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EKAT Android Car Radio. This unit is designed for Jeep Renegade models from 2015 to 2020, featuring a 9-inch touchscreen, Android 13 operating system, 4GB RAM, and 64GB ROM.

Please read this manual thoroughly before installation and use to ensure proper function and to avoid damage to the unit or your vehicle.



Image 1.1: EKAT Android Car Radio installed in a Jeep Renegade dashboard.

2. SETUP AND INSTALLATION

2.1 Package Contents

Before beginning installation, verify that all components are present:

- Car radio unit
- Installation Cable
- Rear Camera
- GPS Antenna
- Canbus decoder
- Instruction manual
- Tools
- USB Cable (2)
- Original USB Cable
- Radio Antenna
- External Microphone



Image 2.1: Included components for the EKAT Android Car Radio.

2.2 Compatibility Check

Ensure your vehicle's central console and rear interface match the compatible configurations shown below. If your original vehicle's connector resembles the one in Figure 2.2, it is compatible. The wiring harness supports the original factory rear view camera. The yellow headrest wire is the connection interface.



Image 2.2: Wiring harness connector compatibility.



Image 2.3: Compatible central console and rear interface configurations (A and B).

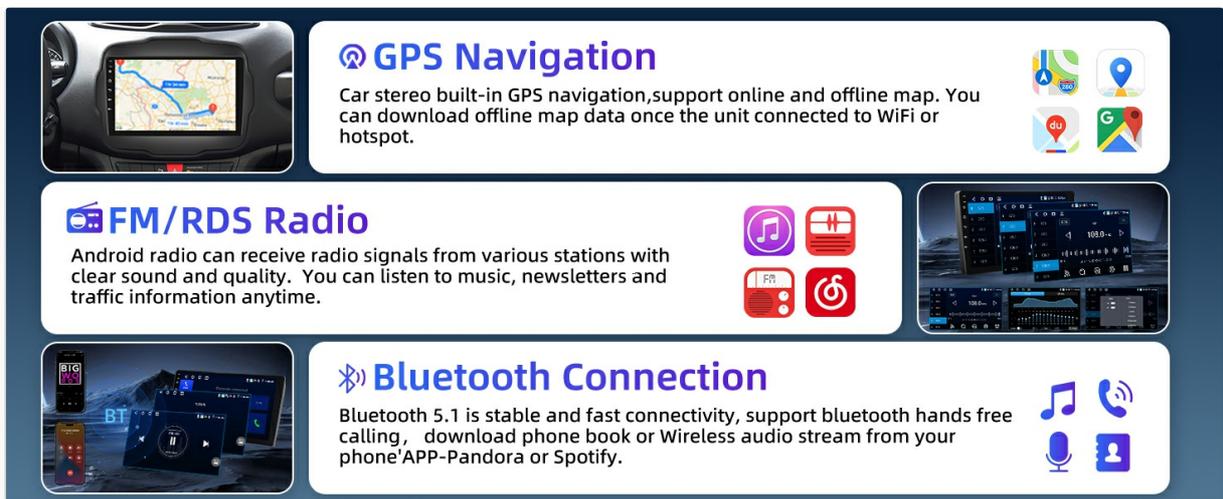


Image 2.4: Additional compatible central console and rear interface configurations (C and D).

2.3 General Installation Steps

1. Carefully remove your vehicle's original radio unit and trim.
2. Connect the provided wiring harness to the vehicle's existing wiring. Ensure all connections are secure.
3. Connect the GPS antenna, radio antenna, and any other peripheral cables (e.g., USB, external microphone) to the new EKAT Android Car Radio.
4. If installing the rear view camera, route the camera cable to the rear of the vehicle and connect it to the designated input on the car radio.
5. Mount the new car radio unit into the dashboard opening.
6. Reinstall any removed trim pieces.
7. Test the unit's functionality before fully securing all components.

2.4 Rear View Camera Wiring

Follow these steps for connecting the AHD rear view camera:

- **Red Cable (1):** Connect to the positive pole of the car reversing light cable.
- **Black Cable (2):** Connect to the negative pole of the car reversing light cable.
- The other two red extension cables (3) and (4) do not need to be connected.



Image 2.5: Reversing Camera Wiring Diagram.

2.5 Component Connection Overview



Image 2.6: Overview of car radio connection points.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Basic Navigation

Press the power button to turn the unit on or off. The 9-inch touchscreen allows for intuitive navigation through menus and applications. Swipe gestures and taps are used for control.

3.2 Wireless/Wired Carplay & Android Auto

The unit supports both wireless and wired connections for Apple Carplay and Android Auto. This allows seamless integration with your smartphone for navigation, calls, messages, and music playback. Voice control is available for a safer driving experience.



Image 3.1: Wireless and Wired Carplay & Android Auto functionality.

3.3 GPS Navigation and WiFi

The car radio has built-in GPS navigation. You can download offline maps for use without an internet connection or connect to WiFi to use online maps and other internet-dependent applications. Connect to a WiFi hotspot from your phone or a dedicated car WiFi device.

WiFi and offline/online GPS navigation

Connected to WiFi, you can download the software you want or perform online map navigation. You can also download offline maps to make sure you can drive safely.



Image 3.2: GPS Navigation with WiFi connectivity.

Phone Mirror Link

Car radio can work with IOS & Android phone mirror link, project all features of mobile phone to a larger radio screen, fit for watching movies or maps.



Rear View Camera

HD camera supports AHD/CVBS reversing input, which allows you to view the rear of your car on the device's screen when you put it into reverse gear, keep your safe.



Dual USB Input

Car radio comes with two adapters, you can charge for your mobile phones or play USB drive.





Image 3.3: Fast WiFi Connection for app downloads and online services.

3.4 Audio Features: EQ and DSP

The unit includes a built-in 32-band equalizer (EQ) for audio customization. It also features AI DSP (Digital Signal Processor) technology, which requires activation, to optimize sound quality and eliminate unwanted noise, providing a concert-like audio experience.

32 Band Equalizer + AI DSP Technology

This innovative device features 32-band EQ adjustment and AI DSP technology (Activation required) for precise tuning, and Viper sound optimized for every note and beat.



Image 3.4: 32-Band Equalizer and AI DSP settings.

Reversing Camera Wiring

- 1** Red Cable ① : Connect the positive pole of the car reversing light cable
- 2** Black Cable ② : Connect the negative pole of the car reversing light cable

The other two red extension cables ③④ do not need to be connected

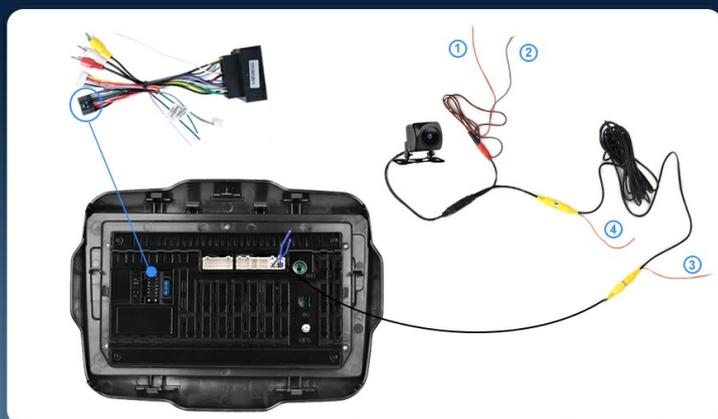


Image 3.5: Built-in AI DSP for enhanced sound effects.

3.5 Split Screen Functionality

The split-screen feature allows you to run two applications simultaneously on the display. You can customize the size and position of each application window.

3.6 Rear View Camera

When the vehicle is shifted into reverse gear, the car stereo automatically displays the AHD reverse camera feed. This provides a clear image with guidelines and night vision capabilities to assist with parking.

3.7 Other Functions

- **Dual USB Ports:** Connect USB drives for multimedia playback or charge mobile devices.
- **External Microphone:** Improves call clarity.
- **Steering Wheel Control:** Supports existing steering wheel controls for convenient operation.
- **Phone Mirror Link:** Project your iOS or Android phone screen onto the car radio display.
- **FM/RDS Radio:** Receive radio signals with clear sound and quality, including RDS information.
- **Bluetooth Connection:** Bluetooth 5.1 for stable hands-free calling and wireless audio streaming.

Multi-functional Android Radio

Reverse Image
HD night vision reversing camera,
Dedicated mounting bracket

Dual-USB Ports
Connect U disk to play multimedia
Connect phone data cable

External Microphone
Built-in + external dual microphones
Make the voice sound clearer

Steering Wheel Control
Steering wheel button control
More convenient and safe

Image 3.6: Multi-functional features including reverse image, dual USB, external microphone, and steering wheel control.

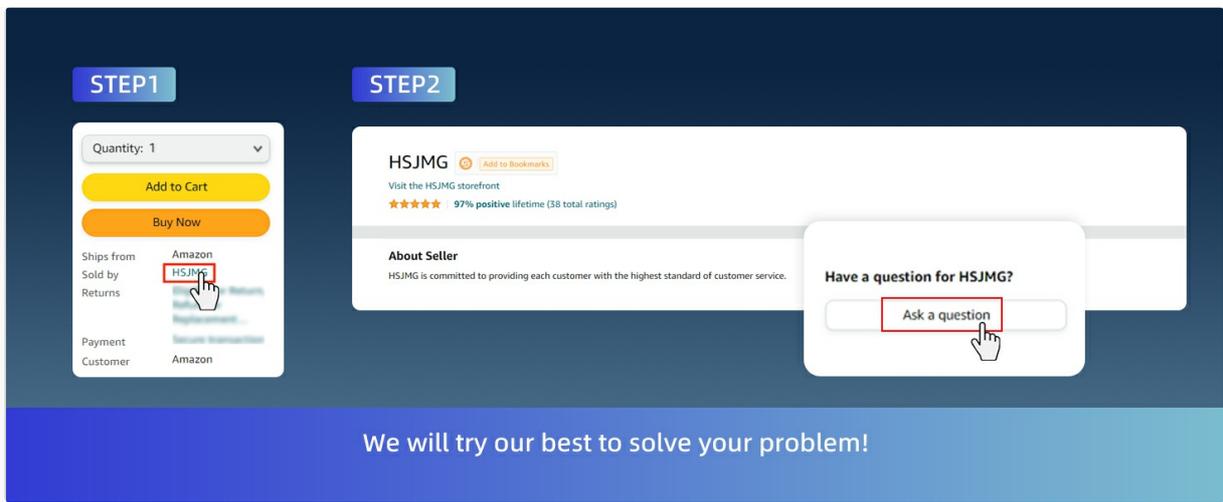


Image 3.7: GPS Navigation, FM/RDS Radio, and Bluetooth Connection.



Image 3.8: Phone Mirror Link, Rear View Camera, and Dual USB Input.

3.8 User Interface Customization

The unit supports multiple theme options, allowing you to customize the main page layout and appearance according to your preferences.

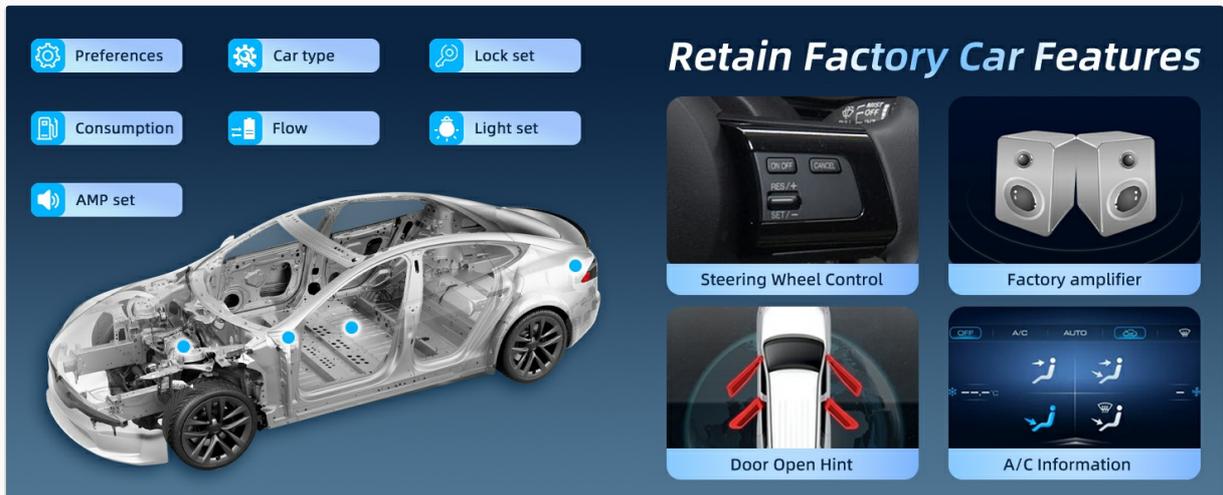


Image 3.9: Multiple UI Designs for personalization.

3.9 Retaining Factory Car Features

The system is designed to retain several of your vehicle's original factory features, including steering wheel controls, factory amplifier integration, door open hints, and A/C information display.



Image 3.10: Integration with factory car features.

4. MAINTENANCE

To ensure the longevity and optimal performance of your EKAT Android Car Radio, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the touchscreen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for available software updates to ensure the system runs efficiently and has the latest features.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Connections:** Ensure all cables and connections remain secure. Loose connections can lead to intermittent issues.

5. TROUBLESHOOTING

5.1 Odometer Flashing Issue

If you experience an odometer flashing issue after installing the radio (which may occur in some vehicles), follow these steps to resolve it:

1. Go to **Settings** on the car radio.
2. Select **Factory Mode**.
3. Enter the password: **8888**.
4. Navigate to **Vehicle**, then **Automotive Type**.
5. Select **Rasie+Jeep+Renegade+High**.
6. Start the engine for 1 minute, then lock the vehicle for 10 minutes to allow it to enter sleep mode.
7. Restart the engine.
8. If the flashing persists, repeat steps 1-6, but select **Low** instead of High in step 5.

5.2 General Troubleshooting Tips

- **No Power:** Check all power connections and fuses. Ensure the vehicle's ignition is on.
- **No Sound:** Verify speaker connections, volume settings, and audio source selection. Check if the mute function is active.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (consult support).
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Bluetooth Connectivity Problems:** Ensure Bluetooth is enabled on both the car radio and your mobile device. Try unpairing and re-pairing the devices.

6. SPECIFICATIONS

Feature	Specification
Operating System	Android 13

RAM	4GB
ROM (Internal Storage)	64GB
Display Size	9 Inches
Display Resolution	1280 x 720P (Full HD IPS)
Connectivity	Bluetooth 5.1, Wi-Fi
Special Features	Wireless Carplay, Android Auto, AHD Rear View Camera, Steering Wheel Control, Split Screen, DSP, 32-Band EQ, FM RDS Radio, GPS Navigation
Item Weight	2.65 pounds
Package Dimensions	7.09 x 5.91 x 1.97 inches

High Performance System

Android 13 car radio is equipped with 9 inch 1280*720P touchscreen, 64GB storage memory ensuring ample space for your on-the-go entertainment needs.

4G RAM 13 Android 64G ROM f

Image 6.1: System specifications including Android version, RAM, and ROM.



Image 6.2: Full HD 1280x720P IPS display features.

7. WARRANTY INFORMATION

The EKAT Android Car Radio comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or normal wear and tear.

8. SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact the seller directly through your purchase platform. Provide your order number and a detailed description of the issue for prompt support.

You can typically find a 'Contact Seller' or 'Ask a question' option on the product page or within your order history.