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Seventour HR-RAM1500

User Manual

Seventour 13.1-inch Android 13 Car Radio Stereo

For Dodge Ram 1500/2500/3500 (2009-2012)

1. Introduction

Thank you for choosing the Seventour 13.1-inch Android 13 Car Radio Stereo. This manual provides detailed instructions for the installation, operation, and maintenance of your new car stereo system. Please read this manual thoroughly before installation and use to ensure proper function and to maximize your user experience.
This unit is designed for a seamless fit in Dodge Ram 1500, 2500, and 3500 models manufactured between 2009 and 2012.

2. Safety Information

- **Professional Installation Recommended:** Due to the complexity of vehicle electrical systems, professional installation is highly recommended.
- **Disconnect Battery:** Always disconnect the vehicle's negative battery terminal before beginning any electrical installation to prevent short circuits and damage.
- **Wiring:** Ensure all wiring connections are secure and properly insulated to prevent electrical shorts. Do not modify the wiring harness unless specifically instructed.
- **Driving Safety:** Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- **Ventilation:** Ensure the unit has adequate ventilation. Do not block any cooling vents.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

3. Package Contents

Please check the contents of your package against the list below:

Image: All components included in the Seventour car radio package. This includes the 13.1-inch head unit, the custom frame for Dodge Ram, power cables, RCA cables, GPS module, USB cables, AHD 1080P backup camera, car microphone, reversing control cable, and 4G antenna.

- 13.1-inch Head Unit

- Frame + Head Unit Assembly
- Power Cable
- RCA Cable
- GPS Module
- USB Cable (x2)
- AHD 1080P Backup Camera (with license plate mount bracket)
- Car Microphone
- Reversing Control Cable
- 4G Antenna

4. Setup and Installation

This unit is designed for a plug-and-play installation with your Dodge Ram 1500/2500/3500 (2009-2012). No modification to your car's existing cables is typically required.

Image: A visual comparison showing the original Dodge Ram dashboard, the 13.1-inch head unit with its custom frame, and the final appearance after the new stereo has been installed.

Image: Demonstrates the non-destructive installation process by connecting the OEM power cable, the inclusion of two expanded USB ports, and compatibility with existing steering wheel controls (SWC).

1. **Preparation:** Park your vehicle on a level surface, turn off the engine, and disconnect the negative terminal of your car battery.
2. **Remove Original Radio:** Carefully remove the trim panels and screws securing your factory radio. Refer to your vehicle's service manual if unsure.
3. **Connect Wiring Harness:** Connect the provided wiring harness to the vehicle's factory harness. Ensure all connections are secure.
4. **Connect Peripherals:**
    - **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky (e.g., dashboard, under the windshield).
    - **4G Antenna:** Connect the 4G antenna for optimal cellular signal reception.
    - **External Microphone:** Connect the external Bluetooth microphone and route it to a suitable location (e.g., near the sun visor or steering column) for clear call quality.
    - **USB Cables:** Connect the USB extension cables and route them to a convenient location for USB device access.
    - **Backup Camera:** Connect the backup camera cable. The red wire of the camera power cable should connect to your vehicle's reverse light positive (+) wire. The video RCA cable connects to the unit's 'CAM-IN' port.
5. **Install Head Unit:** Secure the new 13.1-inch head unit with its frame into the dashboard opening. Reinstall any removed screws and trim panels.
6. **Reconnect Battery:** Reconnect the negative terminal of your car battery.
7. **Initial Power On:** Turn on your vehicle's ignition and power on the stereo. Test all functions.

5. Operating Instructions

5.1 Basic Operation

- **Power On/Off:** The unit will power on automatically with the vehicle's ignition. Press and hold the power button (if available) to manually turn off or on.
- **Touch Screen:** Navigate the Android interface by tapping, swiping, and pinching on the capacitive touch screen.
- **Volume Control:** Adjust volume using the on-screen controls or your vehicle's steering wheel controls.

5.2 Wireless CarPlay & Android Auto

This unit supports both wireless CarPlay for iOS devices and wireless Android Auto for Android devices.

Image: Illustrates the seamless integration of both wired and wireless CarPlay and Android Auto, showing the Z-LINK app interface and examples of CarPlay Maps and Android Auto Maps.

Image: Shows the car stereo displaying both CarPlay and Android Auto interfaces simultaneously, highlighting the Z-LINK app and compatible mobile applications.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the car stereo, open the 'Z-LINK' application.
3. Search for your device in the Bluetooth settings of the stereo and pair it.
4. Once paired, CarPlay or Android Auto should launch automatically.
5. You can now use voice commands (Siri or Google Assistant) for navigation, calls, and music.

5.3 GPS Navigation

The unit features a built-in GPS module and supports various navigation apps.

- **Online Navigation:** Connect to Wi-Fi or insert a 4G SIM card to use apps like Google Maps, Waze, or Here WeGo for real-time traffic updates.
- **Offline Maps:** Download offline map data for your region to navigate without an internet connection.

5.4 Wi-Fi & 4G Connectivity

Image: Details the built-in SIM card slot for 4G network support, including a list of supported FDD-LTE and TDD-LTE frequency bands and compatible mobile operators like AT&T, T-Mobile, and Cricket. A warm reminder notes that the 4G SIM card is not included.

- **Wi-Fi:** Go to Settings > Network & Internet > Wi-Fi to connect to available Wi-Fi networks or your phone's hotspot.
- **4G Internet:** Insert a standard 4G SIM card (not included) into the dedicated slot. The unit supports various mobile operators and frequency bands for direct internet access.

5.5 Bluetooth Calls & Audio Streaming

Image: Showcases the external Bluetooth microphone with multi-position mounting for optimal audio reception. It highlights the advantages of the DZ016 microphone, such as delayed lag, stronger parsing speed, built-in DSP chip for noise filtering, and loud volume for clearer calls, contrasting it with common issues of other microphones.

Image: Displays the user interfaces for the FM/AM Radio function, showing frequency tuning options, and the Bluetooth 5.0 interface,

indicating current device connection status and media playback controls.

- **Pairing:** Go to Settings > Connected devices > Pair new device. Enable Bluetooth on your phone and select the stereo from the list.
- **Hands-Free Calls:** Once paired, you can make and receive calls directly from the stereo screen. The external microphone ensures clear audio.
- **Audio Streaming:** Play music from your phone via Bluetooth.

5.6 FM/AM Radio

- Open the 'Radio' app.
- Use the on-screen controls to scan for stations, manually tune, or save presets.

5.7 DSP Audio Tuning

Image: Showcases various audio customization options including Surround Sound, Bass Enhancement, a Built-in DSP with 48-band EQ, Sound Field Settings, and Wave Filter, allowing users to fine-tune their audio experience.

- Access the 'DSP' or 'Equalizer' app.
- Adjust the 48-band EQ, sound field, bass enhancement, and other audio effects to customize your listening experience.

5.8 Backup Camera

Image: Displays the AHD 1080P backup camera in action, showing a clear rearview with security reference lines on the car stereo screen. It also highlights features like HD 1280*720 resolution, HD digital signal transmission, and compatibility with OEM backup cameras.

- When the vehicle is shifted into reverse gear, the backup camera view will automatically display on the screen.
- The 170° AHD camera provides a wide, high-definition view with parking guidelines.

5.9 Steering Wheel Control (SWC)

- With the integrated Canbus decoder, your existing steering wheel controls will function automatically with the new head unit.
- You can control volume, track skipping, and answer/end calls without taking your hands off the wheel.

5.10 Split-Screen Display

Image: Illustrates the split-screen display functionality, showing various combinations of applications running simultaneously, such as Google Maps with Music, Google Play with another app, and FM radio with YouTube, enhancing multitasking capabilities.

- To activate split-screen, open an app, then long-press the recent apps button or drag from the side (depending on Android version) to select a second app.
- This allows you to run two applications side-by-side, for example, navigation and music.

6. Features Overview

Image: Highlights key features including the Qualcomm Snapdragon 665 8-core processor with 8GB RAM and 128GB ROM, Android 13 operating system, Wireless CarPlay + Android Auto, Bluetooth 5.0, HD 1920*1200 IPS Screen, GPS Navigation, and an AHD 1080P Backup Camera.

Image: Explains the features of the 13.1-inch 1920x1080 IPS Touch Screen, including full lamination technology, a 178° wide viewing angle, 16,000,000 wide color range, enhanced visibility, reduced dust entry, and improved touch accuracy.

Image: A detailed view of the rear of the head unit, highlighting the built-in cooling fan designed for custom control and exhaust, supporting periodic operation at high temperatures to maintain optimal performance.

- **Operating System:** Android 13
- **Processor:** 8-core Qualcomm CPU (Snapdragon 665)
- **Memory:** 8GB RAM + 128GB ROM
- **Display:** 13.1-inch Ultra-Large IPS Touch Screen (1920x1080 resolution)
- **Connectivity:** Wireless CarPlay, Android Auto, Wi-Fi, Bluetooth 5.0, 4G (SIM card slot)
- **Navigation:** Built-in GPS module, supports offline and online maps
- **Audio:** Built-in DSP, 48-band EQ, FM/AM Radio
- **Camera:** Includes 1080P AHD Backup Camera
- **Control:** Steering Wheel Control (SWC) compatible via Canbus decoder
- **Cooling:** Built-in cooling fan for stable performance

7. Maintenance

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner to wipe the display. Avoid abrasive materials or harsh chemicals.
- **General Care:** Keep the unit free from dust and debris. Do not spill liquids on the unit.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features.

8. Troubleshooting

Problem	Possible Cause	Solution
No Power	Loose power connection, blown fuse	Check power cables and vehicle's fuse box. Ensure battery is connected.
No Sound	Loose speaker wires, volume too low, mute activated	Check speaker connections, increase volume, check mute settings.
GPS Not Working	GPS antenna not connected or poor signal	Ensure GPS antenna is securely connected and has a clear view of the sky.
Bluetooth Not Connecting	Bluetooth off on phone/stereo, device not in pairing mode	Ensure Bluetooth is on for both devices. Put stereo in pairing mode. Forget and re-pair device.
Backup Camera Not Displaying	Camera not powered, video cable loose, reverse trigger not connected	Check camera power connection to reverse light. Ensure video cable is secure. Verify reverse trigger wire connection.

Problem	Possible Cause	Solution
Steering Wheel Controls Not Working	Canbus decoder not connected or faulty	Ensure Canbus decoder is properly connected. Contact support if issue persists.
Unit Freezes/Slow Performance	Too many apps running, software glitch	Close background apps. Restart the unit. Perform a factory reset (note: this will erase data).

9. Specifications

Feature	Specification
Brand	Seventour
Model Name	HR-RAM1500
Operating System	Android 13
Processor	8-core Qualcomm CPU
RAM	8 GB
Internal Storage	128 GB
Screen Size	13.1 inches
Display Type	IPS Touch Screen
Display Resolution	1920x1080
Connectivity	Bluetooth 5.0, Wi-Fi, 4G (SIM slot)
Navigation	Built-in GPS, North America Map Type
Audio Output Mode	Stereo
Included Components	13.1-inch Touch Screen, Wiring Harness, Frame, Backup Camera, GPS Antenna, 4G Antenna, Microphone
Vehicle Service Type	Truck (Dodge Ram 1500/2500/3500 2009-2012)
Item Weight	4.67 kg
UPC	610371334910

10. Warranty and Support

Warranty: We provide a one-year product warranty. Within the first 3 months, quality problems may qualify for a direct replacement with a new unit. Repair services and lifetime technical support are offered within 1 year of purchase.
Customer Support: For any technical assistance, troubleshooting, or warranty claims, please contact our dedicated

after-sales support team via phone or email. Our professional customer service staff are available for immediate communication, and all emails will be replied to within 12 hours.
Please refer to your purchase documentation for specific contact details.

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