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› [AINAVITO 10-inch Android 13.0 Car Radio Instruction Manual for Dodge Grand Caravan \(2011-2020\) and Chrysler Town & Country \(2012-2016\)](#)

AINAVITO 10 inch with knob keybutton

AINAVITO 10-inch Android 13.0 Car Radio Instruction Manual

For Dodge Grand Caravan (2011-2020) and Chrysler Town & Country (2012-2016)

Model: 10 inch with knob keybutton

1. PRODUCT OVERVIEW

The AINAVITO 10-inch Android 13.0 Car Radio is designed to upgrade the in-car entertainment and navigation experience for Dodge Grand Caravan (2011-2020) and Chrysler Town & Country (2012-2016) vehicles. This unit features a QLED 1280x720 HD touch screen, wireless CarPlay and Android Auto compatibility, and a customizable knob and keybutton design for intuitive control. It operates on Android 13.0 with 64GB ROM, supporting various applications and offering advanced connectivity options like 5G Wi-Fi and Bluetooth 5.0.

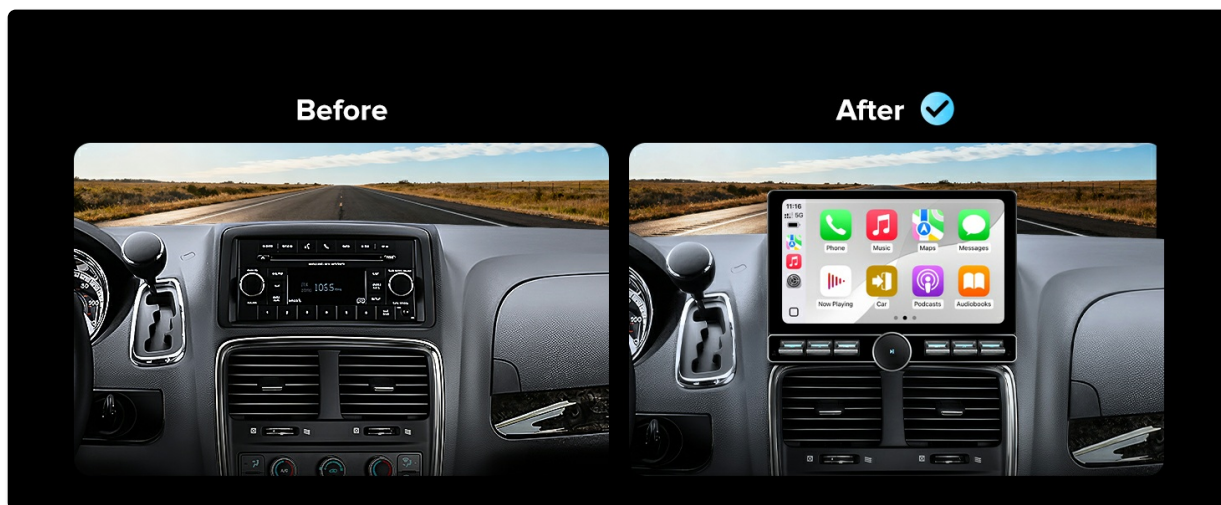


Figure 1: Key features of the AINAVITO 10-inch Car Radio.

2. WHAT'S IN THE BOX

The product package includes the following components:

- 1x Car Stereo radio with Frame
- 1x RCA Cable
- 1x Power Cable
- 1x Car Microphone
- 1x GPS Antenna
- 1x Frame Removal Tool
- 1x Rear View 1080P Camera
- 2x USB Cables
- 1x Reversing Control Extension Cable
- 1x Detailed Installation Picture
- 1x Product User Manual

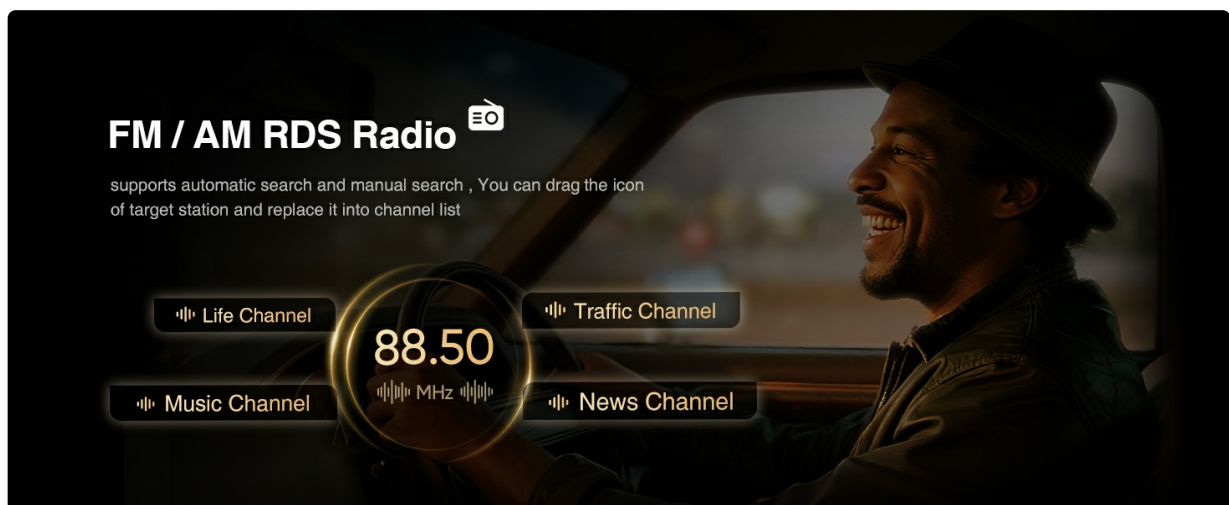


Figure 2: Included accessories for the AINAVITO Car Radio.

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Video 1: Unboxing the AINAVITO Car Radio for Dodge Grand Caravan, showing all included components and cables.

3. INSTALLATION GUIDE

3.1 Main Unit Installation

1. **Remove Original Radio:** Use the provided frame removal tool to carefully pry off the original car display trim frame.
2. **Unscrew and Disconnect:** Use a screwdriver to unscrew the four fixing screws holding the original radio. Disconnect all cables from the back of the OEM radio screen.
3. **Connect Power Cable:** The included power cable has two large connectors: 'NO AMP' and 'With AMP'. Check your original car's power cable. If it has 8 speaker wires, connect the 'NO AMP' device cable. If it has 4 speaker wires, plug it into the 'With AMP' port.
4. **Connect Radio Cable:** Connect the radio cable to the appropriate port.
5. **Connect Other Cables:** Connect all other necessary cables (USB, GPS antenna, microphone, etc.) to the new device. Ensure the white plug for the backup camera display is connected, even if a backup camera is not installed, as it affects Wi-Fi and Bluetooth signals.

6. **Mount New Radio:** Mount the new AINAVITO car radio onto the mounting frame and secure it in place.



Figure 3: Comparison of the dashboard before and after installing the AINAVITO Car Radio.

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Video 2: Detailed steps for installing the AINAVITO Car Radio in a Dodge Caravan.

3.2 Backup Camera Installation

1. **Select Camera Location:** Install the backup camera at the vehicle's license plate location.
2. **Thread Power Cable:** Thread the camera's power cable into the vehicle interior, typically through the license plate light housing or another existing gap.
3. **Route Extension Cable:** To make threading easier, remove the trunk trim panel. Locate the camera power cable threaded from the outside. Connect the camera extension cable. Route this cable along the door frame, tucking it into gaps for a clean appearance, all the way to the car radio area.
4. **Connect to Reverse Light (if no CANBUS):** If your car lacks CANBUS functionality, connect the red wire from the red-black cable to the reverse light's positive pole. Insulate the black wire. If the wire is not long enough, use a spare copper wire as an extension.
5. **Connect to Head Unit:** Connect the yellow plug of the camera extension cable to the "Backup camera video input Cable" on the head unit. Connect the blue wire on the other end to the "Rear CAM Control" wire in the power harness.

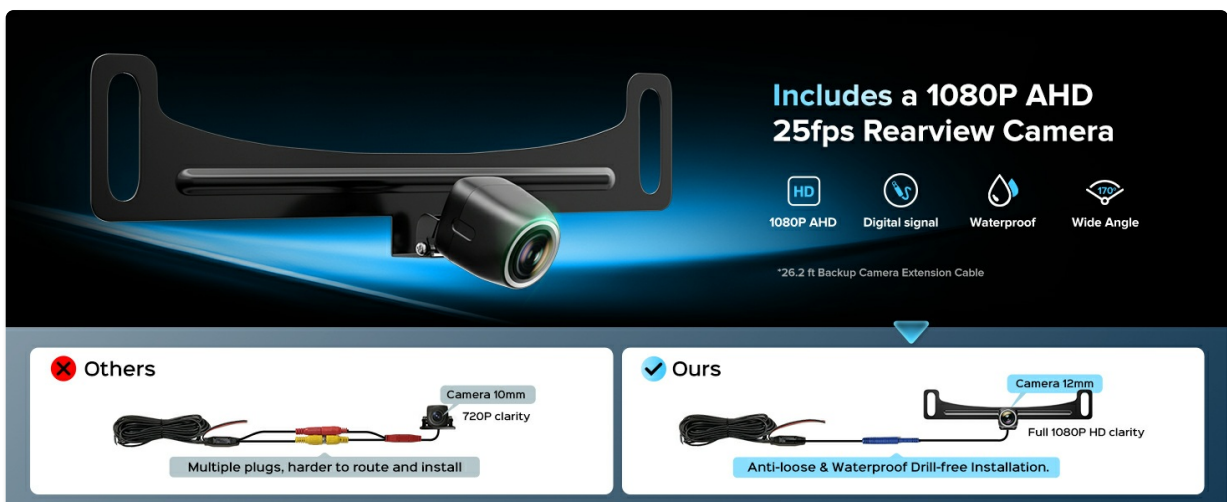


Figure 4: Features of the 1080P AHD Backup Camera.

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4. OPERATING INSTRUCTIONS

4.1 Wireless CarPlay & Android Auto

The car radio supports both wireless and wired CarPlay and Android Auto. Connect your smartphone via Bluetooth or USB to access calls, messages, music, and maps directly on the car's display. It also supports iPhone Airplay and wireless/wired mirroring for seamless phone interaction.

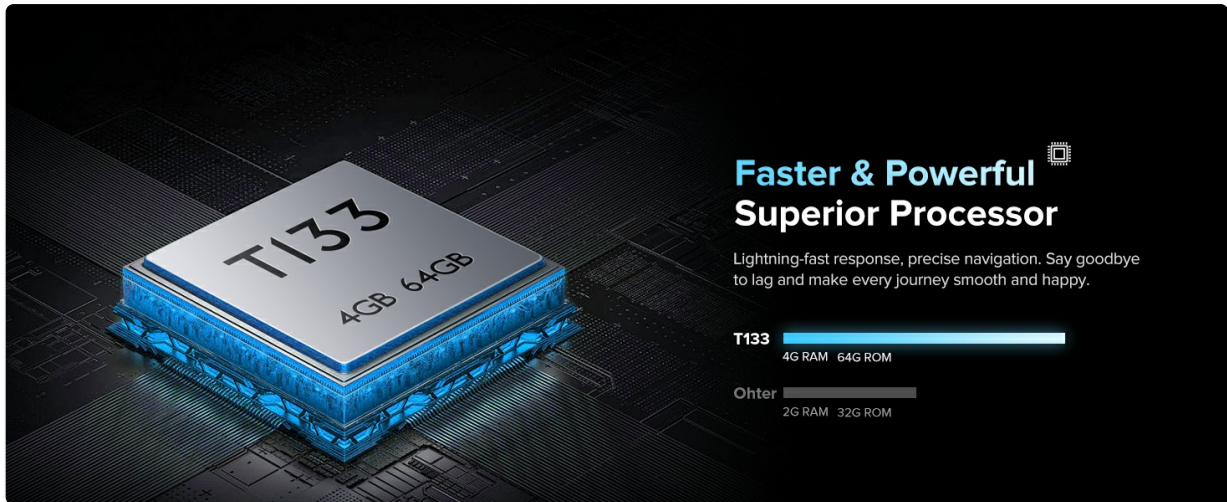


Figure 5: Wireless CarPlay and Android Auto functionality.

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Video 4: Demonstrating the wireless CarPlay connection process.

4.2 Customizable Knob and Keybuttons

The unit features a customizable knob and keybutton design for easy control. You can program these buttons to access shortcuts for maps, music, Bluetooth, video, and more. To customize:

1. Go to 'Apps' on the main screen.
2. Select 'Settings', then 'Factory'.
3. Enter the password (default is 123456).
4. Tap 'Panel keys'.
5. Press 'Reset' to clear existing settings, then 'Start'.
6. Select the desired function from the list (e.g., Play/Pause, Next, Previous, Music, Apps).
7. Press the corresponding physical button on the panel until the function appears on screen.
8. Repeat for all buttons you wish to customize. Press 'End' when finished.

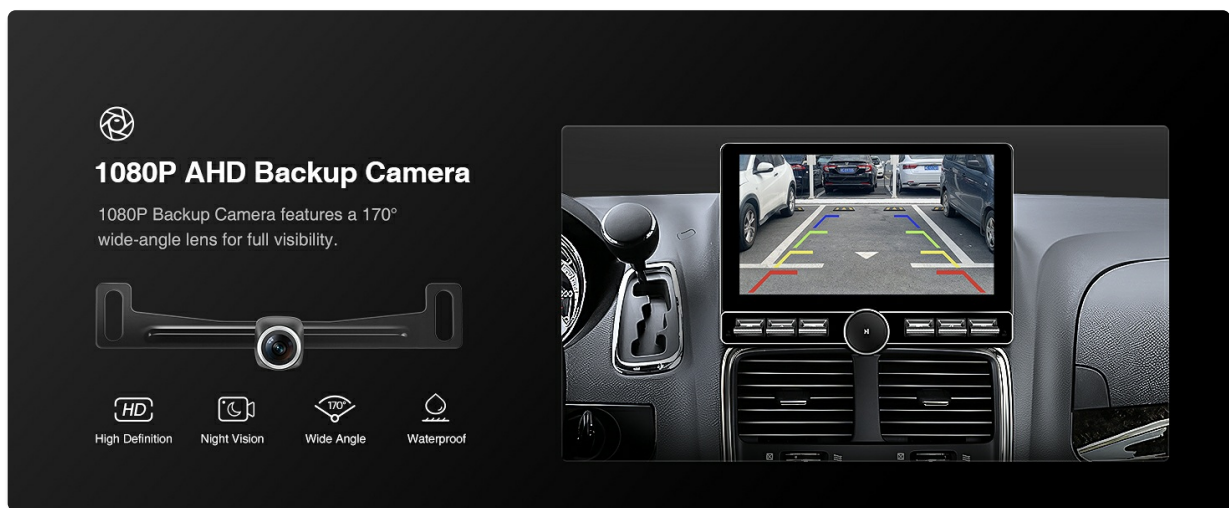


Figure 6: 10-inch IPS Touch Screen with Dual Knobs Design.

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Video 5: Instructions on how to customize the single keybutton shortcut functions.

4.3 Radio and Multimedia

Enjoy AM/FM radio with RDS functionality. The unit supports automatic and manual station search. You can drag and drop icons of target stations to replace them in your channel list. With 5G Wi-Fi and Bluetooth 5.0, you can stream music, make hands-free calls, and access online maps and apps.



Figure 7: FM/AM RDS Radio interface.

4.4 Split Screen Display

The Android 13.0 operating system allows for a split-screen display, enabling you to run two applications simultaneously. For example, you can use navigation on one side while controlling music or browsing another app on the other side.



Figure 8: Split Screen Display in action.

4.5 Fan Settings

The device includes a fan for heat dissipation. You can configure its operation:

- **Always On:** The fan runs continuously at a normal speed.
- **Start According to CPU Temperature:** The fan activates only when the device reaches a specified temperature threshold (e.g., 75°C). You can set this temperature in the settings.
- **Start According to Volume:** The fan activates based on the audio volume level.
- **Always Off:** The fan remains off.

It is recommended to leave the fan setting at 'Always On' for optimal performance and longevity.

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Video 6: Explanation of heat dissipation fan settings and customization options.

5. SPECIFICATIONS

Feature	Detail
Operating System	Android 13.0
Display Size	10 Inches
Display Resolution	QLED 1280x720 HD
Internal Storage (ROM)	64GB
RAM	4GB
Connectivity Technology	Bluetooth 5.0, 5G Wi-Fi, FM+AM+AUX, Wireless/Wire CarPlay, Wireless/Wire Android Auto, Wireless/Wire Mirroring + Airplay

Feature	Detail
Special Features	Customizable knob and keybutton design, QLED 10 inch Display, Steering Wheel Control support, APK install, 1080P Reversing Camera
Map Type	Europe, North America, South America, Worldwide
Audio Output Mode	Surround/Bass Boost/Bass Filter/Sound Field
Mounting Type	Dashboard Mount
Item Weight	4.31 pounds
Package Dimensions	13.15 x 11.38 x 5.47 inches

6. MAINTENANCE

To ensure the longevity and optimal performance of your AINAVITO car radio, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. Avoid abrasive cleaners or harsh chemicals that could damage the display.
- **Software Updates:** Periodically check for software updates to ensure you have the latest features and bug fixes. Follow the on-screen prompts for any available updates.
- **Cable Connections:** Ensure all cables remain securely connected. Loose connections can lead to intermittent functionality.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods, as this can affect performance and lifespan.

7. TROUBLESHOOTING

If you encounter issues with your AINAVITO car radio, consider the following common troubleshooting steps:

- **No Power:** Check all power cable connections. Ensure the vehicle's ignition is on.
- **Screen Not Responding:** Try restarting the device. If the issue persists, ensure all connections are secure.
- **Bluetooth/Wi-Fi Issues:** Ensure the backup camera display cable (white plug) is connected, as it can impact wireless signal strength. Try restarting both the car radio and your mobile device.
- **Backup Camera Not Displaying:** Verify the camera's power and video input cables are correctly connected. If your car does not have CANBUS, ensure the red wire from the camera extension is connected to the reverse light's positive pole.
- **Volume Spontaneously Rises:** This may indicate a software or wiring issue. Contact customer support for assistance.
- **Loose Mounting:** Ensure the mounting bracket is securely fastened to the dash. Additional securing

methods may be required for some vehicle models.

For more detailed troubleshooting or persistent issues, please refer to the 'Troubleshooting Guide' included in your package or contact customer support.

8. WARRANTY AND SUPPORT

The AINAVITO car radio comes with a **12-month warranty**.

For any questions related to product use, settings, or installation, AINAVITO provides professional engineer guidance and after-sale service. You can reach out to our support team:

- **Via Amazon:** Click on our store name ("Sold By ----Speedroad") and find the "ASK a Question" button to leave a message. We aim to reply within 24 hours.
- **Hotline:** +1 888 502 7557 (Working hours: 3:00 PM - 3:00 AM PDT)
- **Email:** info@ainavito.com