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AINAVIGO 10.2" TouchScreen 2+32G

AINAVIGO 10.2-inch TouchScreen Car Radio Stereo Upgrade User Manual

Model: 10.2" TouchScreen 2+32G

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AINAVIGO 10.2-inch TouchScreen Car Radio Stereo Upgrade. This advanced system features Android 12, Wireless CarPlay, Android Auto, GPS Navigation, and support for a backup camera, designed to enhance your driving experience with modern connectivity and entertainment options.



Image 1.1: AINAVIGO 10.2-inch TouchScreen Car Radio Stereo with CarPlay interface.

2. VEHICLE COMPATIBILITY

This car radio stereo upgrade is compatible with the following vehicle models:

- Jeep Wrangler JK/Unlimited: 2007-2018
- Jeep Compass: 2009-2016
- Jeep Patriot: 2009-2016
- Jeep Grand Cherokee: 2011-2013
- Jeep Liberty: 2008-2011
- Jeep Commander: 2008-2011
- Chrysler Sebring: 2007-2010
- Chrysler Town & Country: 2007-2010
- Dodge Grand Caravan: 2011-2014
- Dodge Charger: 2008-2010

- Dodge Ram Pickup 1500/2500/3500: 2009-2012

10.2" Car Radio For Jeep Wrangler JK Compass Grand Cherokee Dodge Ram



Image 2.1: Before and After installation comparison, demonstrating the 1:1 replica fit.

3. WHAT'S INCLUDED

The package contains all necessary components for installation and operation:

- 1x AINAVIGO Car Radio Stereo GPS Navigation Head Unit
- 1x RCA Cable
- 1x Power Cable
- 1x Car Microphone
- 1x Rear View 1080P Camera
- 1x Reversing Control Cable (approximately 16.40 ft)
- 1x GPS Antenna
- 1x Frame Removal Tool

- 2x USB Cables

What's included



Head Unit



Frame + Head Unit



Power Cable & CANbus Decoder



Car Microphone



GPS Module



Reversing Control Cable



USB Cable*2



HD Rearview Camera*1



RCA Cable



Power Cable

Image 3.1: Overview of included accessories and the head unit dimensions.

4. SETUP AND INSTALLATION

Installation of the AINAVIGO car radio requires basic automotive electrical knowledge. It is recommended to consult a professional installer if you are unfamiliar with car stereo installations.

4.1 Pre-Installation Checklist

- Ensure the vehicle's battery is disconnected before starting installation.
- Verify all included components are present as listed in Section 3.
- Identify the existing car radio and dashboard panel for removal.

4.2 Installation Steps

1. **Remove Existing Unit:** Use the provided frame removal tool to carefully pry open and remove the original car radio and dashboard trim. Disconnect all wiring harnesses.
2. **Connect Wiring:** Connect the new power cable, RCA cable, USB cables, GPS antenna, and microphone to the corresponding ports on the AINAVIGO head unit. Ensure all connections are secure.
3. **Backup Camera Installation (Optional):** If installing the backup camera, route the reversing control cable from the rear of the vehicle to the head unit. Connect the camera to the designated input.
4. **Mount Head Unit:** Secure the AINAVIGO head unit into the dashboard opening. Ensure a snug and stable fit.
5. **Reconnect Battery:** Reconnect the vehicle's battery.
6. **Initial Power On:** Turn on the vehicle's ignition and power on the head unit. Follow any on-screen prompts for initial setup.

For detailed wiring diagrams specific to your vehicle model, please refer to your vehicle's service manual or consult with a professional installer.

5. OPERATING INSTRUCTIONS

5.1 System Overview

The AINAVIGO unit runs on **Android 12**, providing a familiar and customizable interface. It features a **10.2-inch HD display** with **2GB RAM** and **32GB storage**, allowing for smooth operation and app installation from the Google Play Store.



Image 5.1: Key features of the AINAVIGO Car Radio.

5.2 Wired/Wireless CarPlay & Android Auto

Seamlessly integrate your smartphone with the car's infotainment system using CarPlay or Android Auto. This allows access to navigation, music, messages, and calls directly from the unit's display.

- **Connection:** Connect your smartphone via USB for wired connection or pair via Bluetooth and Wi-Fi for wireless functionality.
- **Voice Control:** Activate Siri or Google Assistant for hands-free operation, including making calls, sending messages, getting directions, and controlling music.

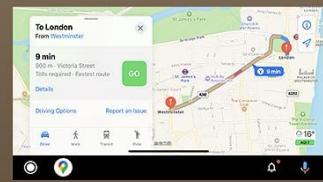
Wired & Wireless Carplay + Android Auto



Carplay



Carplay Music



Android Auto Maps



Android Auto

Image 5.2: Wired & Wireless CarPlay and Android Auto functionality.

5.3 GPS Navigation

The unit comes pre-loaded with North American maps and supports various online navigation apps. The included GPS antenna ensures accurate positioning.

- **Online Navigation:** Connect to Wi-Fi to use apps like Google Maps, Waze, or other preferred navigation services.
- **Offline Navigation:** Download maps for offline use to navigate without an internet connection.

Carplay & Android Auto

Calls / Messages / Navigation / Music / News



Image 5.3: Online and Offline GPS Navigation capabilities.

5.4 Bluetooth 5.0

Connect your smartphone via Bluetooth 5.0 for faster data transfer speeds and stable connections.

- **Hands-Free Calling:** Make and receive calls using the built-in and external microphones for clear audio.
- **Audio Streaming:** Play music from your phone directly through the car's speakers.
- **Contact Sync:** Download your phone's contact book to the unit.

5.5 FM Radio

Tune into FM radio stations to stay updated with real-time traffic, news broadcasts, and weather forecasts.

5.6 Built-in DSP (Digital Sound Processor)

Adjust audio settings precisely to your preference with the built-in DSP, enhancing the acoustics of your vehicle for an immersive sound experience.



Image 5.4: Built-in DSP interface for sound customization.

5.7 AHD 1080P Rear Camera

The included AHD 1080P waterproof backup camera provides a 170° viewing angle. When reversing, the unit automatically displays a clear image on the screen, aiding in safer parking.



Image 5.5: AHD 1080P Rear View Camera display.

5.8 Wi-Fi Connectivity

Utilize the built-in Wi-Fi hotspot feature to connect to the internet, browse, and download online navigation apps or

social media platforms from the Play Store.

5.9 Split Screen Function

Multitask efficiently by using the split-screen function, allowing you to run two applications simultaneously, such as navigation and music playback.

5.10 Voice Control

Enhance driving safety and convenience with voice control features. Use commands to play music, check the weather, or navigate to destinations without taking your hands off the wheel.



Image 5.6: Overview of 5G WiFi, Split Screen, FM Radio, and Voice Control.

6. MAINTENANCE

6.1 Cleaning the Screen

Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.

6.2 Software Updates

Periodically check for software updates through the system settings to ensure optimal performance and access to

the latest features and security patches. Connect to a stable Wi-Fi network for updates.

6.3 General Care

Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture. Ensure all cables are securely connected and not pinched.

7. TROUBLESHOOTING

If you encounter issues with your AINAVIGO car radio, refer to the following common solutions:

- **No Power:** Check all power connections and ensure the vehicle's battery is properly connected. Verify fuses are intact.
- **No Sound:** Check speaker connections, volume levels, and audio settings (including DSP). Ensure the correct audio source is selected.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, perform a system reset (refer to the system settings for this option).
- **CarPlay/Android Auto Disconnection:** Ensure your phone's Bluetooth and Wi-Fi are enabled and properly paired. Check for any software updates on your phone or the head unit. Try reconnecting the USB cable if using a wired connection.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear view of the sky. Check for obstructions.
- **Backup Camera Not Displaying:** Verify the camera's power and video connections. Ensure the reversing control cable is correctly wired to trigger the display when in reverse gear.
- **Unit Shuts Down Randomly:** This could indicate a power supply issue. Check wiring for loose connections or insufficient power. In some cases, a hard reset (disconnecting and reconnecting power) may be necessary.

If these steps do not resolve the issue, please contact technical support.

8. SPECIFICATIONS

Feature	Specification
Model Name	HC-JEEP
Operating System	Android 12
RAM	2GB
Storage	32GB
Screen Size	10.2 Inches
Display Resolution	1280*720 IPS
Connectivity Technology	Bluetooth 5.0, Wi-Fi, Wired/Wireless CarPlay & Android Auto
Special Features	HD Backup Camera Support, Touchscreen, Built-in DSP, GPS Navigation
Map Type	North America
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount

Item Weight	4.29 pounds
Package Dimensions	13.78 x 9.76 x 5.28 inches

Premium 1280*720 IPS Screen, Grade A Quality

10.2"

Screen

1280*720

Resolution

1080P

Video Playback



*Image 8.1: Premium 1280*720 IPS Screen details.*

G+G Full Fit Ultra Clear Screen

Adopting seamless bonding technology of sensor glass+ tempered glass cover plate (G+G). The screen and body are seamlessly integrated, greatly enhancing the sense of luxury.

full lamination

- ✓ Full cover body, Integrated
- ✓ Better transparency
- ✓ Clear screen display
- ✓ Fully fitted without dust

Non full fit

- ✗ Long time can easily lead to dust ingress
- ✗ Easy to reflect light

Image 8.2: G+G Full Fit Ultra Clear Screen technology.

9. WARRANTY INFORMATION

The AINAVIGO 10.2-inch TouchScreen Car Radio Stereo Upgrade comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

Please retain your proof of purchase for warranty claims.

10. TECHNICAL SUPPORT

For any installation assistance or technical inquiries, our professional technical support team is available to help. Please follow these steps to contact us:

1. Visit the AINAVIGO Store page on Amazon.
2. Locate and click the "Ask a question" button to send your inquiry.

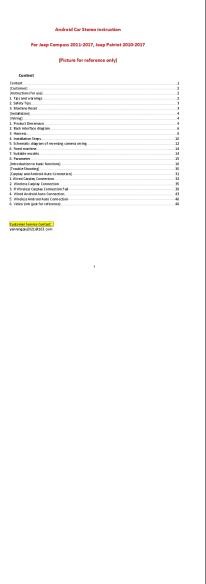
We aim to respond to all queries as soon as possible.

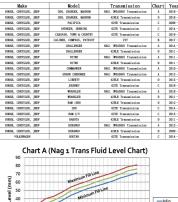


Image 10.1: Steps to contact technical support.

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Related Documents - 10.2" TouchScreen 2+32G

	<p>Android Car Stereo Instruction Manual for Jeep Compass and Patriot</p> <p>Comprehensive guide for installing and operating an Android car stereo system designed for Jeep Compass (2011-2017) and Jeep Patriot (2010-2017) models. Covers installation steps, wiring diagrams, basic functions, troubleshooting, and connectivity options like CarPlay and Android Auto.</p>
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	<p>SnowBear Snow Plow Custom Mount Kit Guide Vehicle Compatibility</p> <p>Find the correct SnowBear by Marlon custom mount kit for your Ford, GM, Dodge, Jeep, Nissan, Toyota, and other vehicle models. This comprehensive guide lists kit numbers and detailed fitment information for snow plows.</p>
	<p>Audi A3 S3 RS3 Android Car Stereo User Manual</p> <p>Install and operate your Audi A3 S3 RS3 Android car stereo with this comprehensive user manual. Covers installation, wiring, Carplay, Android Auto, basic functions, and troubleshooting.</p>
	<p>CAMECHO Android 11 Car Stereo for Ford Mustang (2010-2014) - Instruction Manual</p> <p>Comprehensive instruction manual for the CAMECHO Android 11 car stereo system, designed for Ford Mustang models (2010-2014). Features include a 10.1-inch touchscreen, 2GB RAM, 32GB ROM, GPS, WiFi, Bluetooth, HiFi audio, Carplay, Android Auto, and backup camera support. Covers installation, wiring, safety, and troubleshooting.</p>
	<p>917-327 Transmission Fluid Dipstick Tool Technical Specification and Compatibility Chart</p> <p>Technical specification and compatibility chart for the 917-327 transmission fluid dipstick tool, detailing application across Dodge, Chrysler, Jeep, Volkswagen, and Ram vehicles with NAG1, 42RLE, 62TE, and CVT transmissions, including fluid level charts.</p>
	<p>EXPEX Android Car Stereo Operating Manual: Features, Settings, and Usage</p> <p>Comprehensive operating manual for the EXPEX Android car stereo. Covers music player, video player, radio, Bluetooth, audio settings, steering wheel controls, Android settings, wiring diagrams, and safety instructions.</p>