

JOYING JY-UTD14N4

JOYING JY-UTD14N4 12.95-inch Android 13 Car Stereo User Manual

Model: JY-UTD14N4 | Brand: JOYING

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JOYING JY-UTD14N4 12.95-inch Android 13 Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.



12.95" Double Din Car Radio

Qualcomm
Snapdragon 6125

Octa Core
2.0GHz

QLED Screen
1920x1200P



LHD User Interface



RHD User Interface

Image 1.1: The JOYING 12.95-inch Android 13 Car Stereo main unit, showcasing its large display and user interface.

2. WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items are present:

- 12.95" radio x1
- Double Din Cage x1
- Left & Right Bracket x1
- Reinforced Shims x1
- Plastic Trim Out x1
- Installation Manual x1
- WiFi Antenna x1
- GPS Antenna x1
- 4G Antenna x2
- External Mic x1
- USB Cable x2

- AR Cable x1
- Screen Ribbon Cable x1
- ISO Cable x1
- User Manual x1



Image 2.1: Overview of all accessories and components included with the JOYING JY-UTD14N4 car stereo.

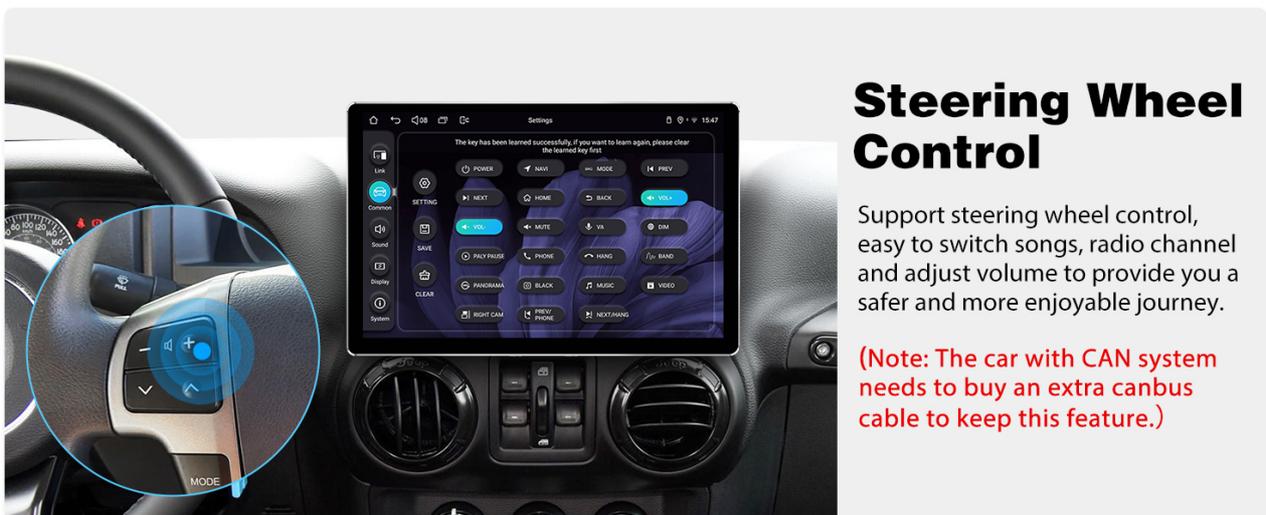
3. KEY FEATURES

- **Fast Boot:** The unit starts up and enters the user interface in approximately 2 seconds after the car key is inserted. Initial boot-up may take 30-40 seconds.
- **Optical Fiber and Coaxial Digital Output:** Provides direct connection to external amplifiers with Optical Fiber or Coaxial Digital Input for enhanced sound quality.
- **Built-in 4G Module:** Supports SIM card insertion for internet access (data only, no calls or SMS). Compatible with FDD-LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B38/B66/B71 and TDD-LTE: B41.
- **GPS Navigation:** Equipped with precise GPS engines and an antenna for accurate positioning and faster real-time navigation. Supports offline maps by downloading data to the stereo. Mobile phone map data can be synchronized via CarPlay/Android Auto.

- **Android Auto & Apple CarPlay:** Connect your mobile phone via USB cable or Bluetooth to access phone apps, navigation, calls, and music on the larger screen.
- **Steering Wheel Control (SWC):** Supports steering wheel controls for easy song switching, radio channel adjustment, and volume control. Note: Vehicles with a CAN system may require an additional CANbus cable.
- **Split-screen Multitasking:** Allows running two applications simultaneously on the screen, such as navigation and media playback.
- **HDMI Output:** Full digital image and sound interface for uncompressed audio and video signals. Supports projection screen display for passengers and on-screen display with 1080P clarity. HDMI cable not included.
- **Personalized Settings:** Customize car boot logo, wallpapers, and adjustable screen brightness.
- **Upgraded Cooling System:** Dual heat sink design for superior heat dissipation and improved temperature control. Features a warning value setting for volume or CPU temperature to prevent overheating.
- **Upgraded WiFi Signal:** Independent WiFi antenna ensures stable signal quality and fast internet access (802.11a/b/g/n/AC, 2.4GHz/5GHz).



Image 3.1: The Android Auto interface displayed on the JOYING car stereo.



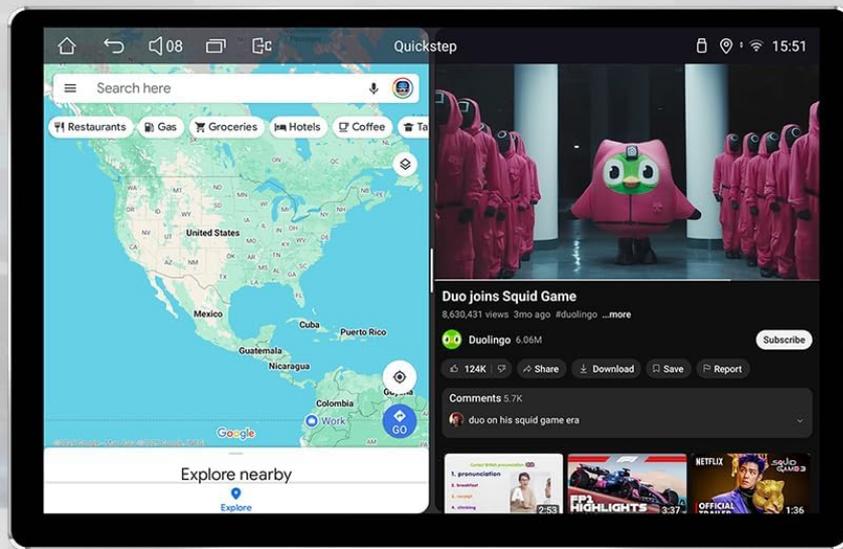
Steering Wheel Control

Support steering wheel control, easy to switch songs, radio channel and adjust volume to provide you a safer and more enjoyable journey.

(Note: The car with CAN system needs to buy an extra canbus cable to keep this feature.)

Image 3.2: The Apple CarPlay interface displayed on the JOYING car stereo.

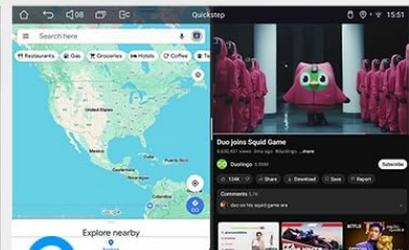
Split-screen Multitasking



1 Tap the recent apps icon.



2 Find the app you want to run the split screen function, click the app icon to bring up the split-screen button, and tap it.

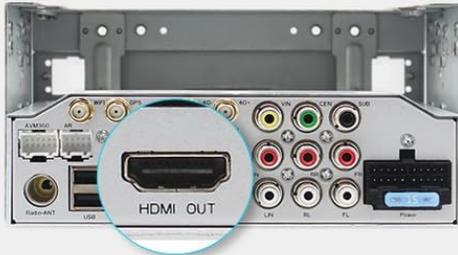
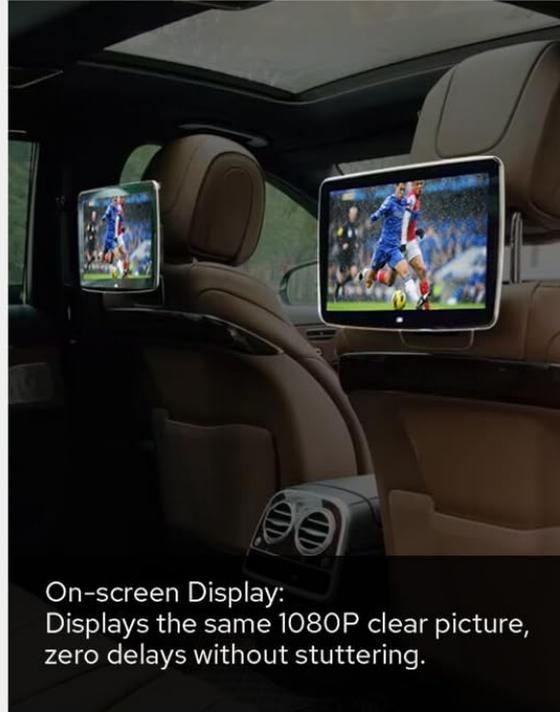


3 The first app you have selected will display on the left side, then choose the second app in recent apps.

Image 3.3: Demonstration of the split-screen multitasking feature, showing navigation and video playback simultaneously.

HDMI Output

HDMI is a full digital image and sound-sending interface that can send uncompressed audio and video signals, audio and video can be output synchronously, no need to adjust manually.



Note: The HDMI cable is not included.

Image 3.4: Illustration of the HDMI output feature, allowing connection to external monitors for passenger entertainment.

4. INSTALLATION

Installation of the JOYING JY-UTD14N4 car stereo requires careful attention to wiring and mounting. It is recommended to consult a professional for installation if you are unfamiliar with car audio systems.

4.1 General Installation Notes

- You may need an installation frame kit with an inner size of 178 x 102mm, a special ISO harness, an amplifier adapter, or a CANbus decoder depending on your car's specific situation.
- The unit does not support factory car GPS antenna, backup rear camera, Bluetooth, USB, or microphone. Only JOYING accessories are supported.
- Optional accessories like DVR, OBDII scanner, reverse camera, TPMS, and steering wheel controller are not included and can be ordered separately.

4.2 Installation Structure and Adjustment

The fixing position of the left and right brackets can be extended or telescoped to achieve the best fixing position according to your car's center console, adapting to a wider range of vehicles. If your car is a Hyundai

or Kia brand, contact customer support for a different bracket.



Image 4.1: Diagram illustrating the adjustable installation structure, allowing for flexible positioning within the car's dashboard.

4.3 Installation Video Guide

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Video 4.1: This video demonstrates the installation process of a 13-inch Android car stereo frame, including how to adjust the screen's position. While the video shows a 13-inch unit, the installation principles and adjustment mechanisms are similar for the 12.95-inch model.

5. OPERATING INSTRUCTIONS

5.1 Steering Wheel Control Learning

To configure your steering wheel controls with the car stereo, follow these steps:

1. Open the "SW Learning" application on the head unit.
2. Click "Start" within the app.
3. Press a button on your steering wheel (e.g., Previous song).
4. Select the corresponding function on the head unit's screen.
5. Repeat for all desired steering wheel buttons (Next song, Volume +, Volume -, Mode switch).
6. Click "End" to complete the setting.

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Video 5.1: This video demonstrates the process of learning and configuring steering wheel controls on the Android car stereo. It shows how to map physical buttons to functions on the head unit.

5.2 Personalized Settings

Customize your stereo's appearance and functionality:

- **Car Boot Logo:** Select a custom logo to display during startup.
- **Customizable Wallpapers:** Choose from various pre-installed wallpapers or upload your own.
- **Adjustable Screen Brightness:** Modify the screen brightness for optimal visibility in different lighting conditions.

Personalized Setting



Image 5.1: The personalized settings menu, showing options for car boot logo, wallpapers, and screen brightness adjustment.

6. SPECIFICATIONS

Feature	Specification
Item Weight	2.65 pounds
Package Dimensions	12.2 x 7.87 x 5.91 inches
Item Model Number	JY-UTD14N4
Display Size	12.95 Inches
Operating System	Android 13
Special Features	Android Auto, Apple CarPlay, RCA, RDS, Spotify, Optical Fiber and Coaxial Digital Output, Built-in 4G Module, GPS Navigation, Fast Boot, Split-screen Multitasking, HDMI Output, Personalized Settings, Upgraded Cooling System, Upgraded WiFi Signal
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Map Type	North America
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount

Size & Package Contents

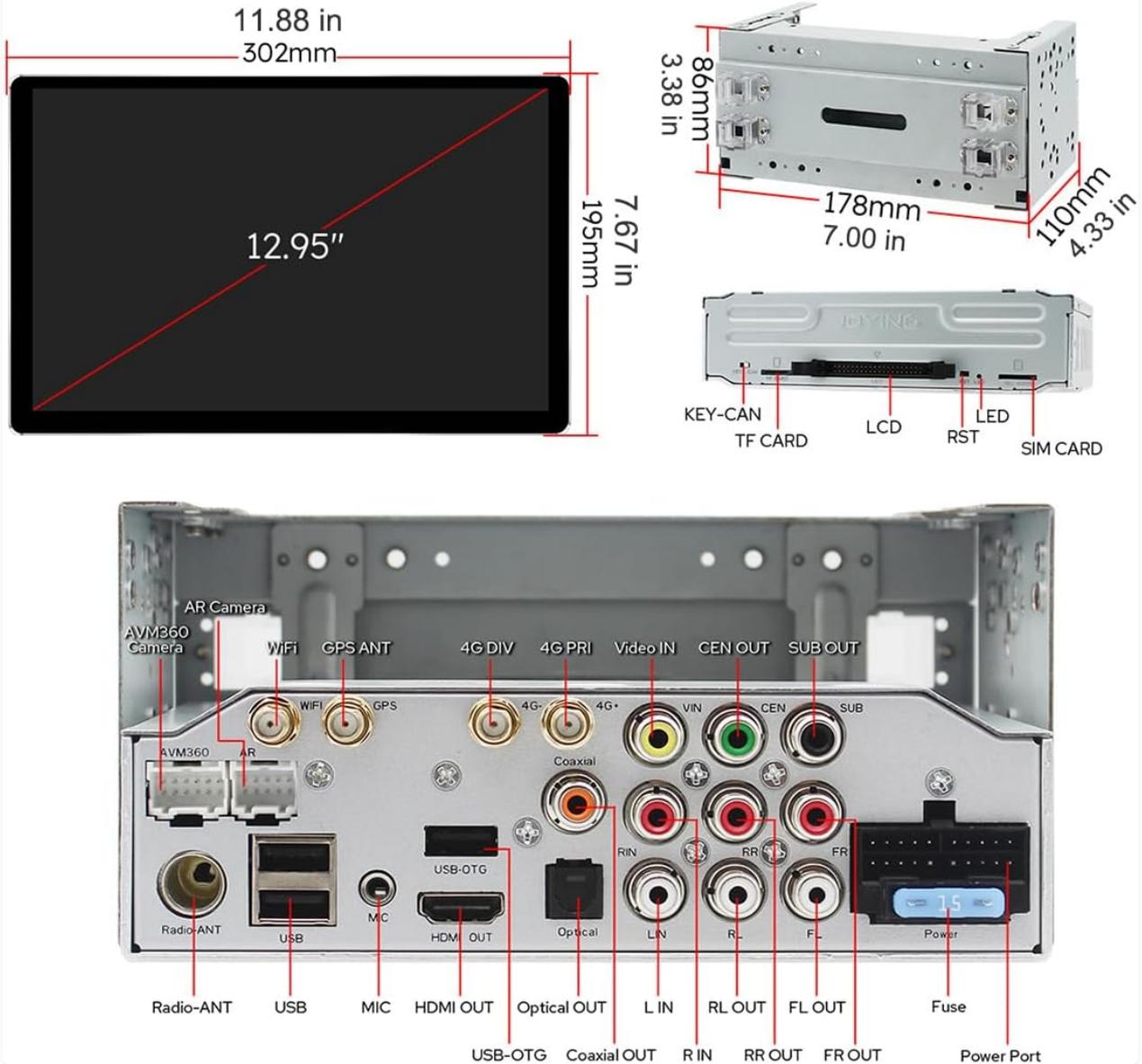


Image 6.1: Detailed diagram illustrating the dimensions of the 12.95-inch display and the various input/output ports on the main unit.

7. TROUBLESHOOTING

If you encounter issues with your JOYING car stereo, consider the following general troubleshooting steps:

- **No Power:** Check all power connections and fuses. Ensure the car's ignition is on.
- **No Sound:** Verify speaker connections, volume levels, and audio source selection. Check amplifier connections if applicable.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (consult the full installation manual for specific steps).
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky. Check antenna connection.
- **Bluetooth/Wi-Fi Connectivity Problems:** Ensure the antennas are connected. Restart the unit and your mobile device. Check network settings.
- **Steering Wheel Controls Not Working:** Re-perform the SW Learning process as described in Section

5.1. Verify CANbus connection if required for your vehicle.

For more specific issues, refer to the comprehensive installation manual included in your package or contact JOYING customer support.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your car stereo:

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. Avoid abrasive cleaners or harsh chemicals that can damage the display.
- **Software Updates:** Periodically check for software updates from JOYING to ensure you have the latest features and bug fixes. Follow the instructions provided with the update.
- **Temperature Control:** The unit has an upgraded cooling system. Ensure proper ventilation around the unit to prevent overheating, especially during prolonged use or in hot climates.
- **Connection Checks:** Occasionally check all wiring connections to ensure they are secure and free from corrosion.

9. WARRANTY AND SUPPORT

Your JOYING JY-UTD14N4 car stereo comes with a **2-Year Warranty**. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or questions regarding accessories, please contact JOYING customer service through their official channels or the retailer where you purchased the product.