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› [JOYING Android 13 Double Din Car Radio with CarPlay & Android Auto \(JY-UTD10N8-B\) - User Manual](#)

JOYING JY-UTD10N8-B

JOYING Android 13 Double Din Car Radio with CarPlay & Android Auto

Model: JY-UTD10N8-B

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JOYING Android 13 Double Din Car Radio. Please read this manual thoroughly before using the product to ensure proper function and safety.

2. WHAT'S IN THE BOX

The following items are included in your product package:

- 10.1" 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

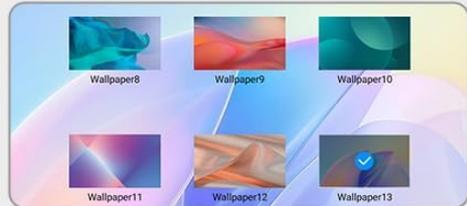
Personalized Setting



Car Boot Logo



Changeable Button Color



Customizable Wallpapers



Figure 1: All components included in the product package.

3. SETUP & INSTALLATION

Proper installation is crucial for optimal performance. It is recommended to consult a professional for installation if you are unsure about any steps.

3.1 General Installation Notes

- An installation frame kit (inner size 178 x 102mm), special ISO harness, amplifier adapter, or CANbus decoder may be required depending on your car's specific situation. These are not included and may need to be purchased separately.
- This unit does not support factory car GPS antenna, backup rear camera, Bluetooth, USB, or microphone. Only JOYING accessories are supported.

3.2 Mounting the Head Unit

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, please contact us to get a different bracket.



Figure 2: Adjustable installation brackets for various vehicle types.

3.3 Wiring Connections

Connect all necessary wiring harnesses, including power, speakers, and antennas, according to the provided wiring diagram in the Installation Manual. Ensure all connections are secure to prevent malfunctions.

HDMI Output

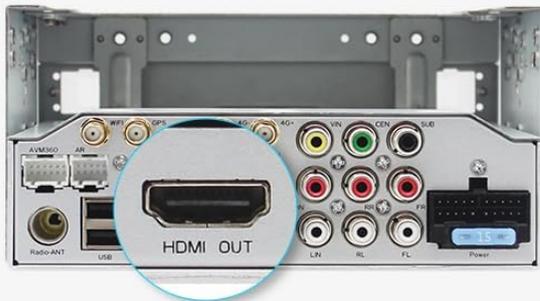
HDMI is a full digital image and sound-sending interface that can send uncompressed audio and video signals, audio and video can be output synchronously, no need to adjust manually.



Projection Screen Display:
Support to play movies for passengers in the headrest, and navigate for drivers on the main screen. Everyone can enjoy it.



On-screen Display:
Displays the same 1080P clear picture, zero delays without stuttering.



Note: The HDMI cable is not included.

Figure 3: Rear panel connections for power, audio, video, and antennas.

3.4 Backup Camera Installation

For connecting a backup camera, ensure the camera's power and video signals are correctly routed to the head unit. The red wire from the camera should connect to the reverse light's positive (+12V) wire, and the black wire to the reverse light's ground (GND). The reverse trigger wire from the camera should connect to the reverse trigger wire of the car stereo. The backup camera output connects to the backup camera input of the car stereo.

Your browser does not support the video tag.

Video 1: Detailed guide on how to connect a backup camera to the car stereo system.

3.5 Optional Accessories

The following accessories are not included in the package but can be ordered additionally to enhance your driving experience:

- **OBD2 Scanner (ASIN: B076CD78HT):** Connects via Bluetooth to retrieve real-time data and trouble codes from your vehicle computer.
- **AR Front Camera (ASIN: B0CBX4N6V8):** Records the front road in the background automatically while

driving.

- **AR Rear Camera (ASIN: B0CBX39S8M):** Switches to the reverse display automatically when reversing the car.

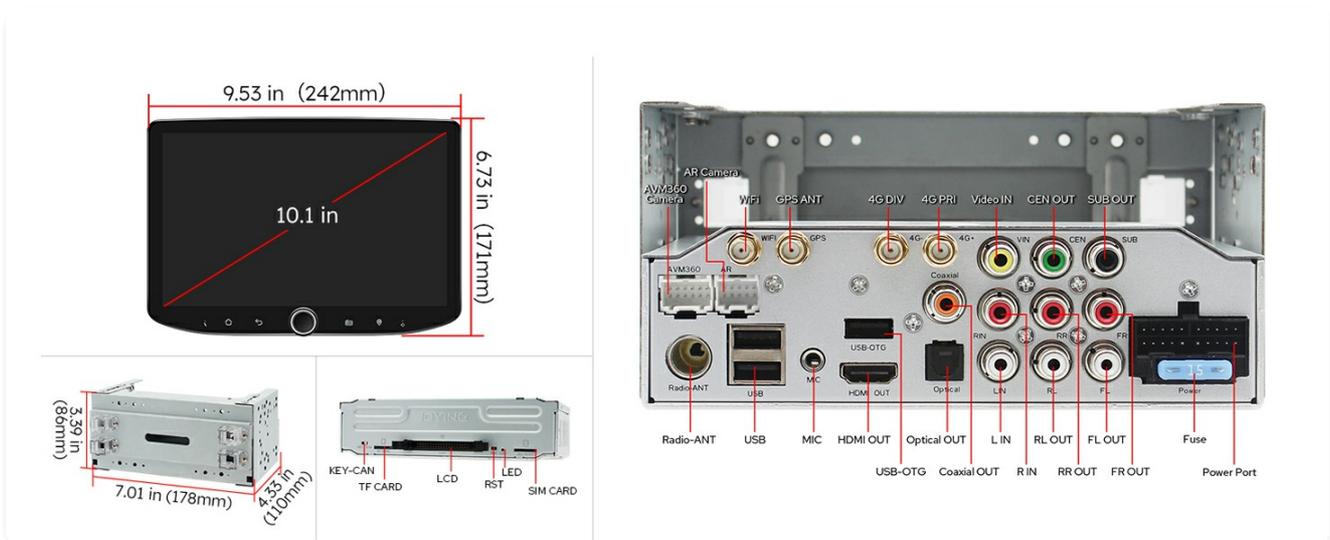


Figure 4: Enhance functionality with optional accessories.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Fast Boot:** Once the car key is inserted, the unit starts immediately and enters the user interface in approximately 2 seconds (first boot takes 30-40 seconds).
- **Volume Knob:** Use the physical volume knob for tactile control over audio levels.
- **Touchscreen:** Navigate the interface using the responsive 10.1-inch 1280x800P touchscreen.

13 Android

10.1" Double Din Car Radio

Qualcomm
Snapdragon 6125

Octa Core
2.0GHz

IPS Screen
1280×800P



Figure 5: Main display and volume knob for easy control.

4.2 Connectivity

- **Bluetooth:** Built-in Bluetooth for hands-free calls and audio streaming.
- **Wi-Fi:** Independent WiFi antenna ensures stable signal quality for fast and smooth internet access (802.11a/b/g/n/AC, 2.4GHz/5GHz).
- **4G Module:** Insert a SIM card for internet access (supports FDD-LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B38/B66/B71; TDD-LTE: B41). Note: Does not support phone calls or SMS.

4.3 Navigation & Media

- **GPS Navigation:** Precise GPS engines with included GPS antenna for accurate positioning and real-time navigation. Supports offline maps and synchronization with mobile phone map data via CarPlay/Android Auto.
- **AM/FM Radio:** Built-in AM/FM radio tuner.
- **Audio Output:** Optical Fiber and Coaxial Digital Output for high-quality sound with external amplifiers.

5. KEY FEATURES

5.1 Built-in CarPlay & Android Auto

Connect your mobile phone via USB cable or Bluetooth to share phone apps on the larger screen. This allows for easy access to navigation, phone calls, and music playback.

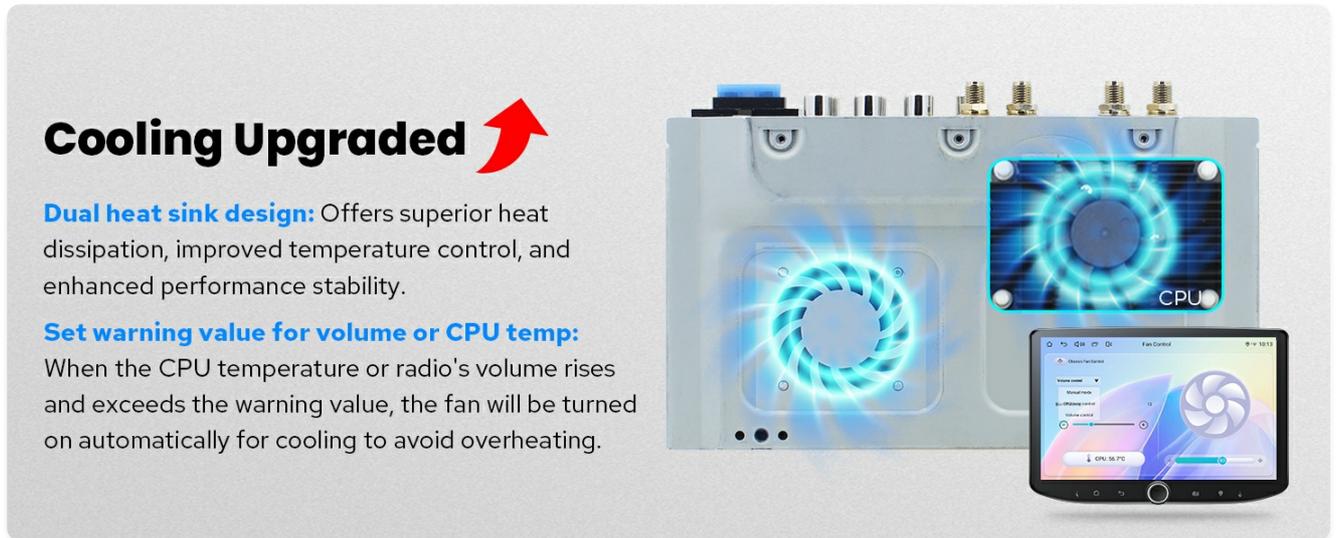


Figure 6: Seamless integration with Apple CarPlay and Android Auto.

5.2 Steering Wheel Control

Supports steering wheel control for easy switching of songs, radio channels, and volume adjustment. Note: Cars with a CAN system may require an extra CANbus cable.



Figure 7: Control your stereo safely from your steering wheel.

5.3 Split-screen Multitasking

Run two applications simultaneously on the screen. Tap the recent apps icon, find the app you want to run in split-screen, click the split-screen button, and then select the second app.

Split-screen Multitasking

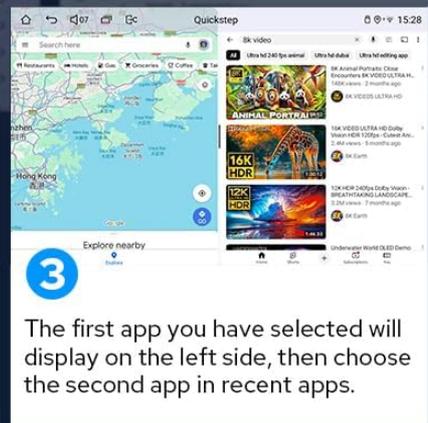
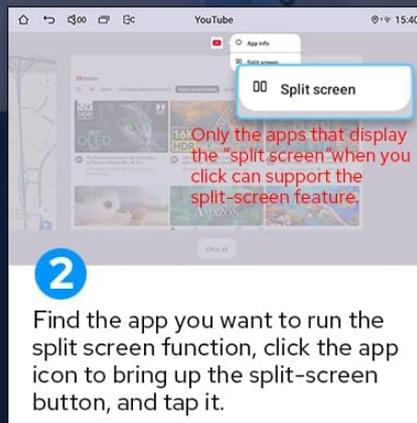
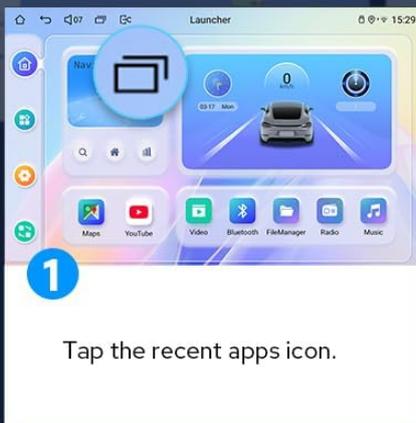
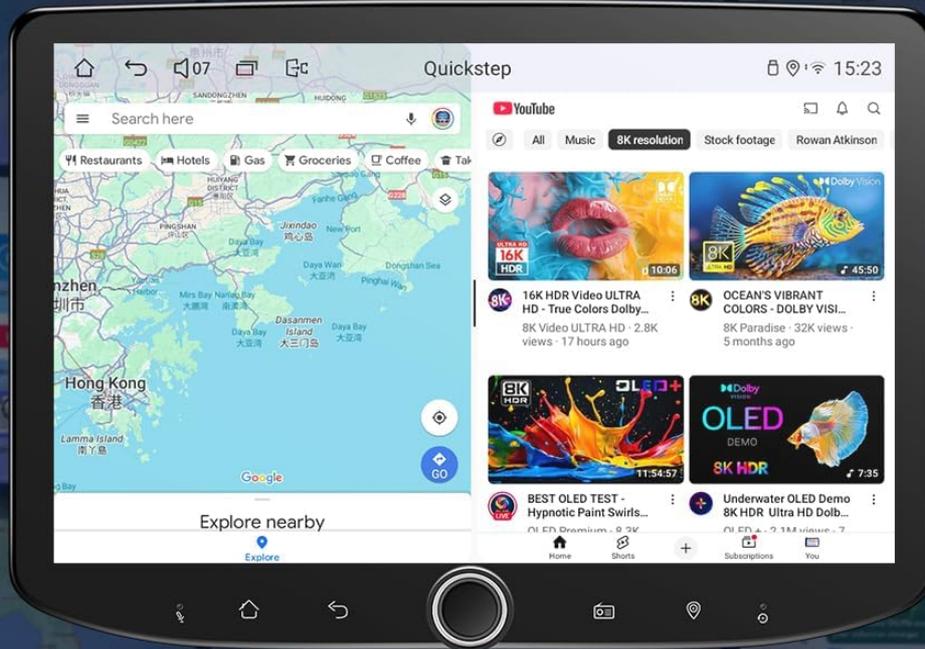


Figure 8: Use two apps at once with split-screen mode.

5.4 Personalized Settings

Customize your head unit with changeable button colors, customizable wallpapers, and adjustable screen brightness.

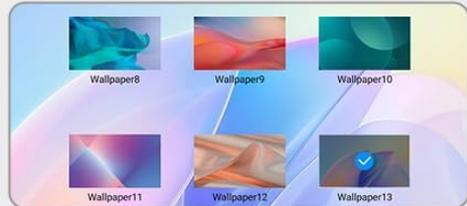
Personalized Setting



Changeable Button Color



Car Boot Logo



Customizable Wallpapers



Figure 9: Customize the look and feel of your stereo.

5.5 HDMI Output

HDMI output supports projection screen display for passengers in the headrest and on-screen display for drivers on the main screen, providing 1080P clear picture without delays. Note: HDMI cable is not included.

HDMI Output

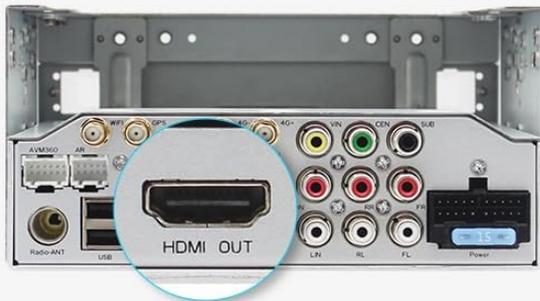
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Note: The HDMI cable is not included.

Figure 10: Connect external screens via HDMI for passenger entertainment.

6. MAINTENANCE

6.1 Cooling System

The unit features a dual heat sink design for superior heat dissipation and improved temperature control. You can set a warning value for CPU temperature or radio volume; if exceeded, the fan will automatically turn on to prevent overheating.



Figure 11: Advanced cooling system for stable performance.

6.2 General Care

- Keep the screen clean using a soft, dry cloth. Avoid abrasive cleaners.
- Ensure proper ventilation around the unit to prevent overheating.

7. TROUBLESHOOTING

If you encounter issues, try the following basic troubleshooting steps:

- **No Power:** Check all power connections and fuses. Ensure the ignition is on.
- **No Sound:** Verify speaker connections and volume levels. Check external amplifier connections if applicable.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **CarPlay/Android Auto Not Connecting:** Check USB cable connection or Bluetooth pairing. Ensure your phone's software is up to date.
- **Screen Unresponsive:** Try restarting the unit. If the issue persists, consult the support section.

8. SPECIFICATIONS

Item Weight	2.65 pounds
Product Dimensions	10.1 x 10.1 x 10.1 inches
Item Model Number	JY-UTD10N8-B
Display Size	10.1 Inches
Voice Command	Touchscreen
Model Name	UTD10N8
Screen Size	10.1 Inches

Special Feature	Android Auto, Apple CarPlay, Built-In Bluetooth, Built-In Wi-Fi, Equalizer
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Map Type	North America
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount

9. WARRANTY & SUPPORT

9.1 Warranty Information

Your JOYING Android 13 Double Din Car Radio comes with a **2 Years Warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact JOYING customer support through their official website or the retailer where the product was purchased.