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› [Joying Android 13 Double Din Car Stereo Receiver User Manual \(Model JY-UTD06N8\)](#)

JOYING JY-UTD06N8

Joying Android 13 Double Din Car Stereo Receiver User Manual

Model: JY-UTD06N8

Brand: JOYING

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Joying Android 13 Double Din Car Stereo Receiver. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage.

SAFETY INFORMATION

- Ensure professional installation to avoid damage to the unit or vehicle.
- Do not operate the unit in a way that distracts you from driving.
- Disconnect the vehicle's battery before installation to prevent electrical shorts.
- Use only specified accessories and parts.
- Keep the unit away from water and excessive moisture.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 8" Radio x 1
- Double Din Cage x 1
- Left & Right Bracket x 1
- Reinforced Shims x 1
- Installation Manual x 1
- WiFi Antenna x 1

- GPS Antenna x 1
- 4G Antenna x 2
- External Mic x 1
- USB Cable x 2
- AR Cable x 1
- Screen Ribbon Cable x 1
- ISO Cable x 1
- User Manual x 1



Image: All components included in the package, such as the radio, various cables, antennas, and mounting hardware.

PRODUCT OVERVIEW

The Joying Android 13 Double Din Car Stereo Receiver is designed to enhance your in-car entertainment and navigation experience. It features an 8-inch display, Android 13 operating system, and supports various connectivity options.



Image: Front view of the car stereo displaying a map and music player interface.

Key Features:

- Android 13 Operating System
- 8-inch 1280x800P IPS Display
- Built-in Wireless CarPlay & Android Auto
- 8GB RAM + 128GB Internal Storage
- Volume Knob for easy control
- Optical Fiber and Coaxial Digital Output for enhanced audio
- Built-in 4G Module (SIM card for internet access, no calls/SMS)
- GPS Navigation with offline map support
- Split-screen Multitasking
- HDMI Output for external displays
- Steering Wheel Control (additional CANbus cable may be required)
- Enhanced Cooling System
- Upgraded WiFi Signal with independent antenna

13 Android 

8" Double Din Car Radio

Qualcomm
Snapdragon 6125

Octa Core
2.0GHz

IPS Screen
1280x800P



LHD User Interface



RHD User Interface

Image: Overview of the unit's display and core specifications, including Android 13, 8-inch screen, Qualcomm Snapdragon 6125, Octa Core 2.0GHz, and IPS 1280x800P resolution.

SETUP AND INSTALLATION

Installation of this car stereo requires technical knowledge. It is highly recommended to have the unit installed by a qualified professional to ensure correct wiring and functionality, and to prevent damage to your vehicle or the unit.

Pre-Installation Checklist:

- Ensure the vehicle's battery is disconnected.
- Confirm compatibility with your vehicle's dashboard opening (Double Din standard).
- Gather necessary tools (screwdrivers, wire strippers, electrical tape, etc.).
- Obtain any required vehicle-specific installation frame kits, ISO harnesses, amplifier adapters, or CANbus decoders.

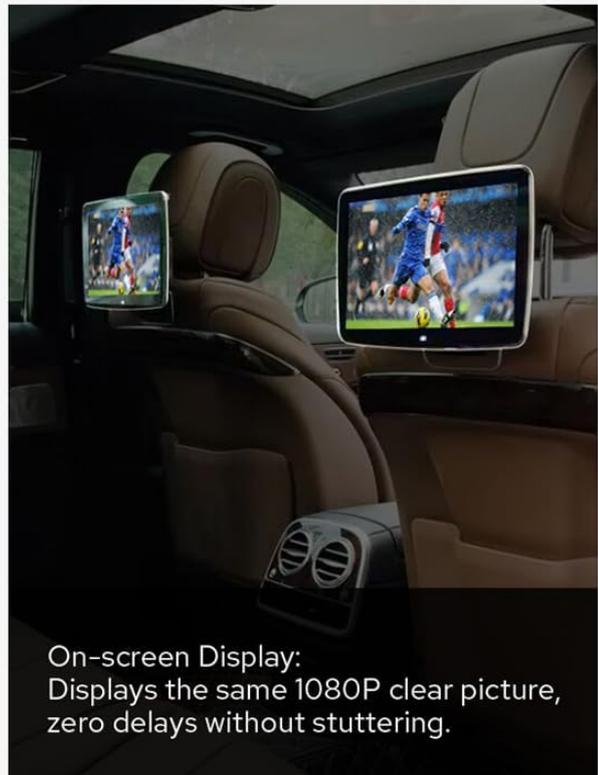
Wiring Connections:

Refer to the included "Installation Manual" for detailed wiring diagrams specific to your unit. Key connections typically include:

- **Power:** Connect to constant 12V, accessory 12V, and ground.
- **Speakers:** Connect to vehicle's speaker wires.
- **Antennas:** Connect GPS, WiFi, and 4G antennas.
- **USB:** Connect USB cables for external devices.
- **External Mic:** Connect the external microphone for clear calls.
- **Optional Connections:** HDMI Out, Optical/Coaxial Digital Out, RCA Audio/Video inputs/outputs, Reverse Camera input.

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: Rear panel of the car stereo unit, illustrating the layout of ports for power, audio, video, USB, HDMI, and various antennas.

Adjustable Installation Structure:

The left and right mounting brackets are designed to be adjustable, allowing for extension or telescoping to achieve the optimal fixing position within your car's center console. This adaptability supports installation in a wider range of vehicles.

WiFi Signal Upgraded

With an independent WiFi antenna, ensure stable signal quality and provide fast & smooth internet access.



Standard: 802.11a/b/g/n/AC
Spectral band: 2.4GHz/5GHz



Image: Illustration demonstrating the adjustable nature of the mounting brackets, allowing for flexible installation in different vehicle dashboards.

Dimensions:

Refer to the diagram below for the physical dimensions of the unit and its mounting cage.

Size & Package Contents

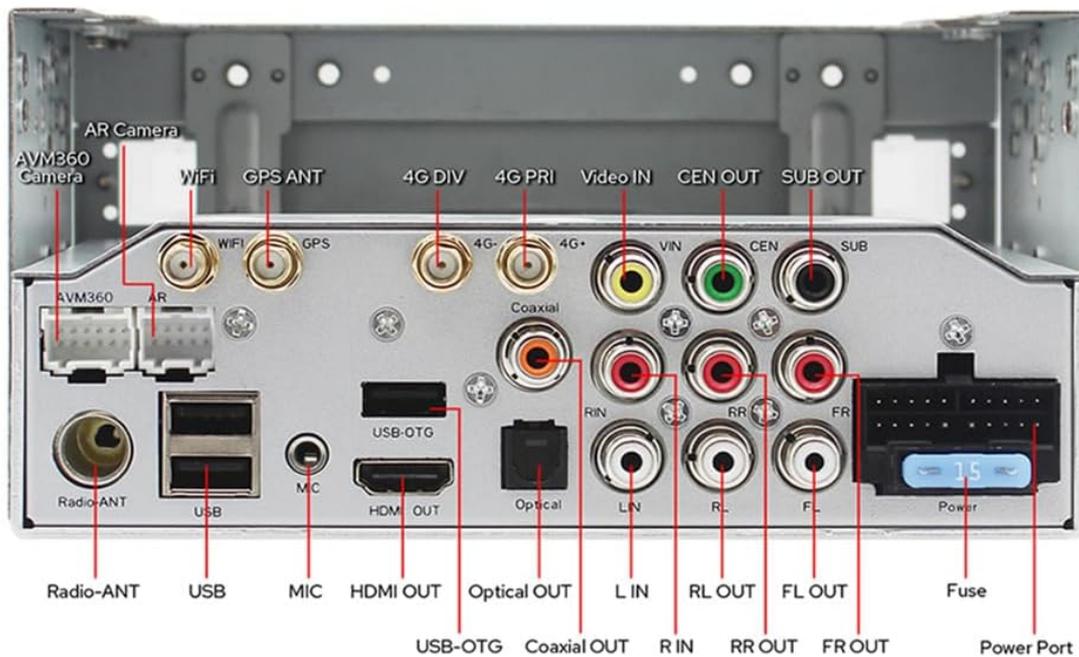
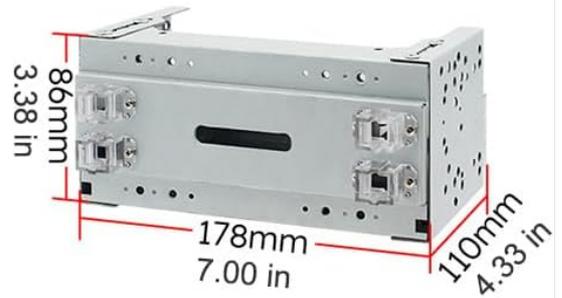
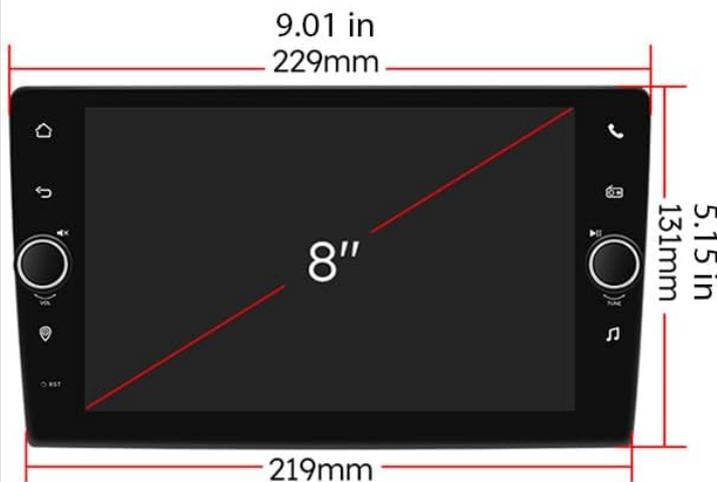


Image: Detailed diagram showing the dimensions of the 8-inch display unit and the double din mounting cage.

OPERATING INSTRUCTIONS

Power On/Off and Initial Boot:

Once the unit is correctly installed and the vehicle's ignition is turned on, the stereo will boot up. The first boot may take approximately 30-40 seconds. Subsequent boots will be faster, typically entering the user interface within 2 seconds after the car key is inserted.

Basic Controls:

- **Volume Knob:** Rotate to adjust audio volume. Press to mute/unmute.
- **Touchscreen:** Navigate the Android interface by tapping, swiping, and pinching.

Android 13 Interface:

The unit runs on Android 13, providing access to a wide range of applications and features. The main screen typically displays navigation, media playback, and other frequently used apps.

High-quality Sound Enjoyment

TDA7851 DSP Chip **48-Band** Graphic Equalizer **4×50W** Max Output Power



Support Aftermarket Amplifier

- 4 *Audio Outputs
1* SUB Output
- Fiber Optical Output
- SPDIF Coaxial Output
- Center Channel Output

Image: Screenshot of the Android 13 launcher interface, showing various application icons and layout options for both Left-Hand Drive (LHD) and Right-Hand Drive (RHD) configurations.

CarPlay & Android Auto:

Connect your smartphone via USB cable or Bluetooth to utilize Apple CarPlay or Android Auto. This allows you to access navigation, make calls, send messages, and play music directly from your phone's interface on the stereo's larger screen.

Built-in Carplay & Android Auto

Connect your mobile phone with the car radio via USB cable or Bluetooth to share the phone's apps on a bigger screen, it is an easier way to get access to navigation, make phone calls, and listen to music.

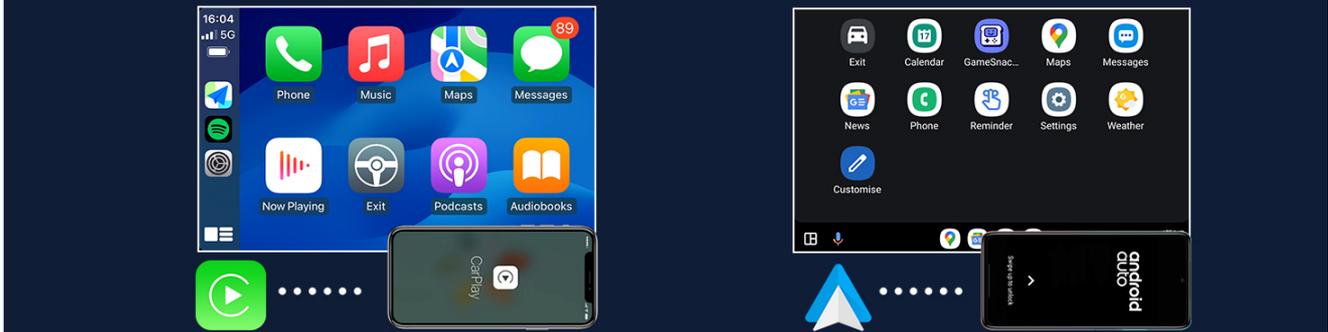


Image: Visual representation of Apple CarPlay and Android Auto running on the car stereo, showing phone applications like maps, music, and messaging.

GPS Navigation:

The unit features precise GPS navigation. Ensure the GPS antenna is properly connected for optimal signal reception. You can use online navigation apps or download offline maps for use in areas without internet connectivity. Smartphone map data can also be synchronized via CarPlay/Android Auto.

Bluetooth Connectivity:

Pair your Bluetooth-enabled device for hands-free calling and audio streaming. Access the Bluetooth settings menu on the stereo to search for and connect to devices.

AM/FM Radio:

Tune into your favorite AM and FM radio stations. The radio application allows for station scanning, saving presets, and displaying RDS information where available.

4G Module:

Insert a compatible SIM card into the designated slot to enable 4G internet access. This feature provides connectivity for online apps, streaming, and real-time traffic updates. Note that this module supports internet access only and does not support making phone calls or sending SMS messages directly from the unit.

Split-screen Multitasking:

The unit supports split-screen functionality, allowing you to run two applications simultaneously. For example, you can have navigation on one side and a media player on the other. To activate, tap the recent apps icon, find the desired app, and select the split-screen option. Then choose a second app from the recent apps list.

Split-screen Multitasking

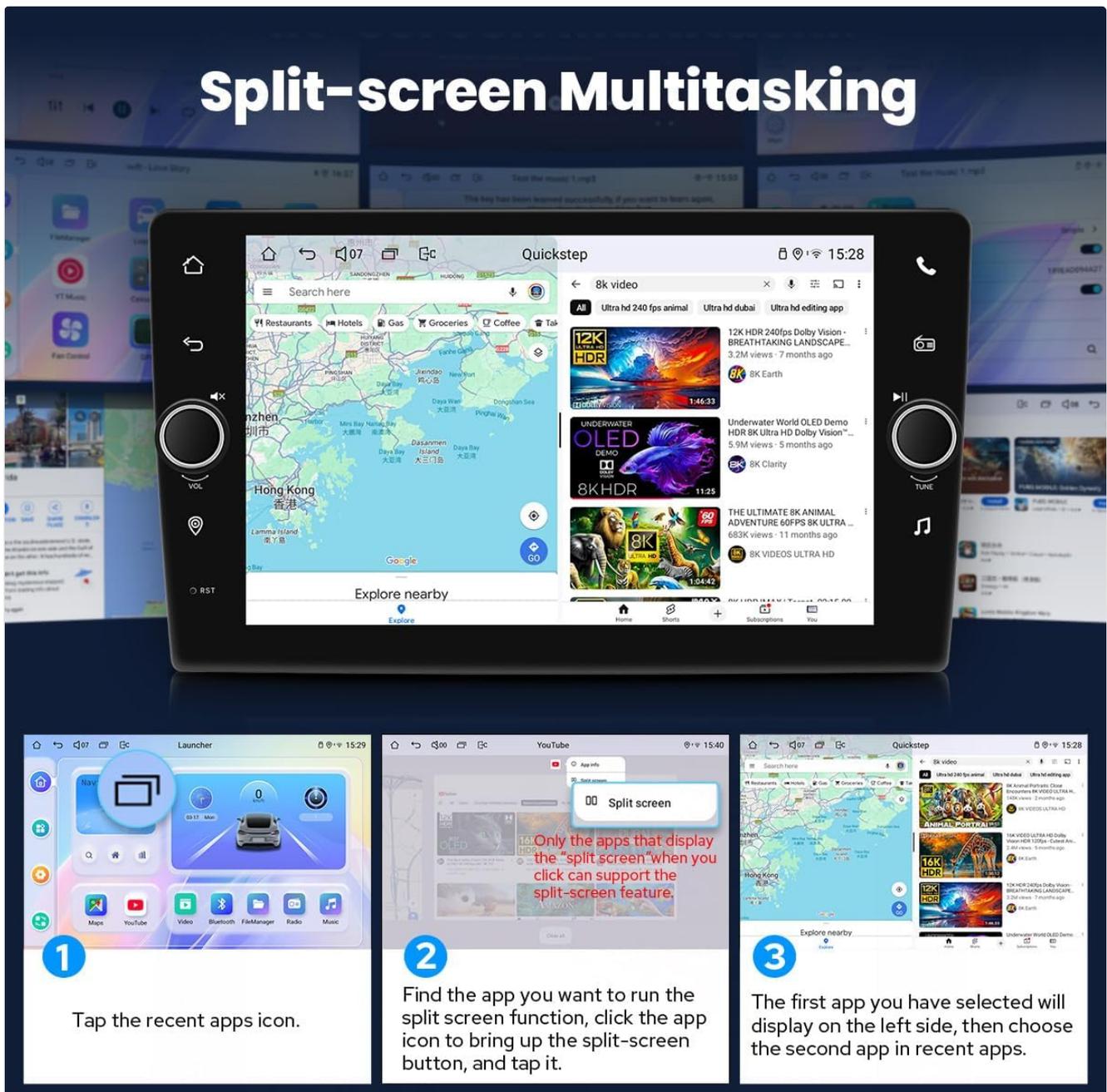
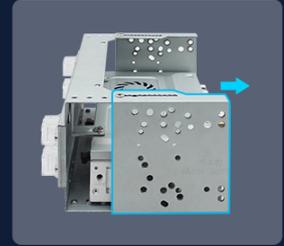
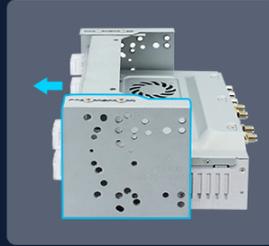


Image: A series of screenshots illustrating the steps to activate and use the split-screen multitasking feature, showing two applications running side-by-side.

HDMI Output:

The HDMI output allows you to connect external displays, such as headrest monitors, to mirror the content from the main unit. This provides passengers with a clear, synchronized display without delays. An HDMI cable is not included and must be purchased separately.

Installation Structure Upgraded



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

Note: If your car is a **Hyundai or Kia brand**, pls contact us to get a different bracket.

Image: Depiction of the car stereo's HDMI output feature, showing the main unit projecting its display to rear-seat monitors for passenger viewing.

Steering Wheel Control (SWC):

The unit supports steering wheel controls, enabling you to manage audio playback, adjust volume, and switch radio channels without taking your hands off the wheel. For vehicles with a CANbus system, an additional CANbus cable may be required to enable this feature.



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

Image: An illustration showing a steering wheel with control buttons and the car stereo display, indicating the integration of steering wheel controls for audio and system functions.

Personalized Settings:

Customize your stereo experience through various settings, including changing the car boot logo, selecting customizable wallpapers, and adjusting the button illumination colors to match your vehicle's interior or personal preference.

Optional Accessories

(NOT included in the package)



OBD2 (ASIN: B076CD78HT)

Connected via Bluetooth to retrieve real-time data and trouble codes from your vehicle computer.



AR Front Camera (ASIN: B0CBX4NGV8)

Record the front road in the background automatically while driving.



AR Rear Camera (ASIN: B0CBX39S8M)

Switch to the reverse display automatically when reversing the car.



Image: Screenshots demonstrating various personalization options available on the car stereo, such as changing the boot logo, wallpapers, and button colors.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check the manufacturer's website for software updates to ensure optimal performance and access to new features.
- **Temperature:** Avoid exposing the unit to extreme temperatures. The enhanced cooling system helps manage internal temperatures during operation.

Personalized Setting



Changeable Button Color



Car Boot Logo



Customizable Wallpapers



Image: Diagram illustrating the dual heat sink design and cooling fan mechanism, which helps dissipate heat and maintain stable performance.

Wi-Fi Signal:

The unit features an independent Wi-Fi antenna to ensure stable signal quality and provide fast, smooth internet access. Ensure the antenna is securely connected for optimal performance.

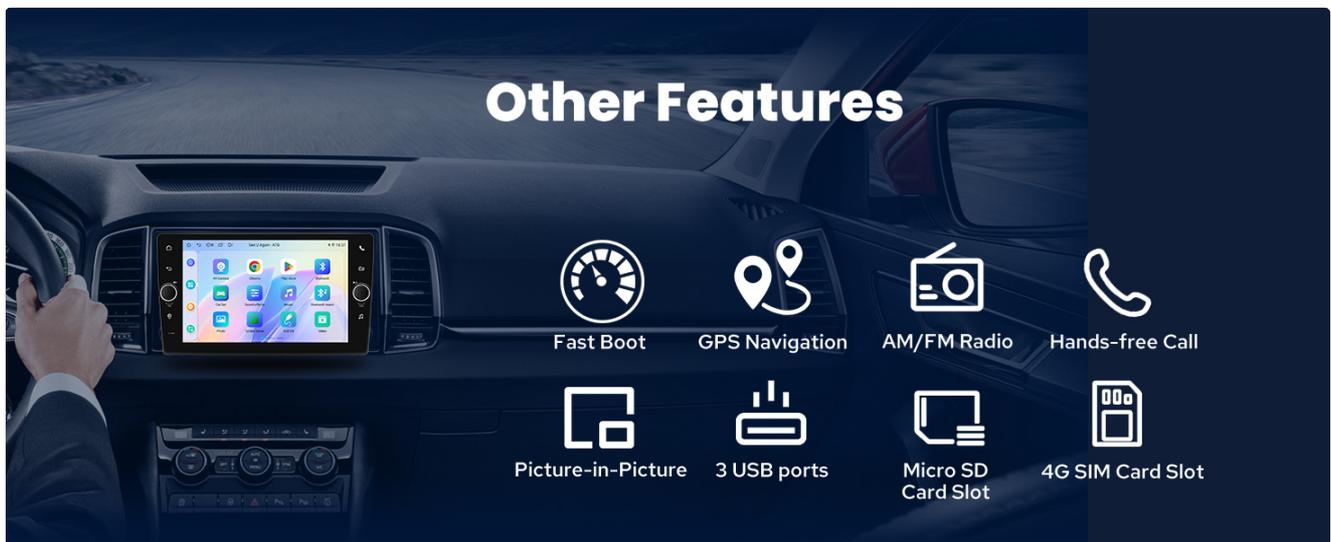


Image: Illustration of the independent Wi-Fi antenna and its connection point, highlighting the upgraded signal capability.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring; Blown fuse; Vehicle battery disconnected.	Check power connections (constant 12V, accessory 12V, ground). Inspect vehicle and unit fuses. Ensure battery is connected.
No sound.	Volume muted or too low; Speaker wires disconnected; Amplifier issue.	Increase volume. Check speaker wire connections. Verify external amplifier (if used) is powered and connected.
GPS signal weak or inaccurate.	GPS antenna not properly installed or obstructed.	Ensure GPS antenna is mounted in a clear location with an unobstructed view of the sky. Check antenna connection.
CarPlay/Android Auto not connecting.	Incorrect USB cable; Phone settings; App not installed.	Use a high-quality USB data cable. Ensure CarPlay/Android Auto is enabled on your phone. Check phone's compatibility.
Poor Wi-Fi signal.	Wi-Fi antenna not connected or obstructed.	Ensure the Wi-Fi antenna is securely connected and positioned for optimal reception.

SPECIFICATIONS

Feature	Detail
Model Number	JY-UTD06N8
Operating System	Android 13
Display Size	8 Inches

Feature	Detail
Display Resolution	1280 x 800P
RAM	8GB
Internal Storage	128GB
Processor	Qualcomm Snapdragon 6125 Octa Core 2.0GHz
Connectivity	Bluetooth, Ethernet, HDMI, USB, Wi-Fi, 4G
Special Features	Android Auto, Apple CarPlay, DSP, Equalizer, RDS
Audio Output Mode	Stereo, Optical Fiber, Coaxial Digital
Item Weight	2.65 pounds
Package Dimensions	12.2 x 7.87 x 5.91 inches

WARRANTY INFORMATION

This Joying product comes with a **2-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the official Joying website or contact customer support.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Joying customer support. You can find contact information on the official Joying website or through your purchase platform.

Online Resources:

- Visit the [JOYING Store on Amazon](#) for product information and updates.
- Refer to the included "Installation Manual" for specific wiring and mounting details.

OPTIONAL ACCESSORIES

The following accessories are not included in the standard package but can be purchased separately to enhance your car stereo's functionality:

- **OBD2 Scanner:** Connects via Bluetooth to retrieve real-time vehicle data and trouble codes.
- **AR Front Camera:** Records the road ahead automatically while driving.
- **AR Rear Camera:** Provides a reverse display when backing up the vehicle.
- **DVR:** Digital Video Recorder for continuous recording.
- **TPMS:** Tire Pressure Monitoring System.

Cooling Upgraded

Dual heat sink design: Offers superior heat dissipation, improved temperature control, and enhanced performance stability.

Set warning value for volume or CPU temp:

When the CPU temperature or radio's volume rises and exceeds the warning value, the fan will be turned on automatically for cooling to avoid overheating.



Image: Visuals of optional accessories such as an OBD2 scanner, AR front camera, and AR rear camera, which can be integrated with the car stereo.