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› [Joying JY-UTS07N8 9-Inch Single DIN Car Stereo User Manual](#)

JOYING JY-UTS07N8

Joying JY-UTS07N8 9-Inch Single DIN Car Stereo User Manual

Model: JY-UTS07N8 | Brand: JOYING

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Joying JY-UTS07N8 9-inch Single DIN Touchscreen Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and safety. This device features Android 13, Carplay, Android Auto, AM/FM Radio, GPS, Steering Wheel Control (SWC), and a volume knob.



9" Single Din Car Radio

Qualcomm
Snapdragon 6125

Octa Core
2.0GHz

IPS Screen
1280×800P

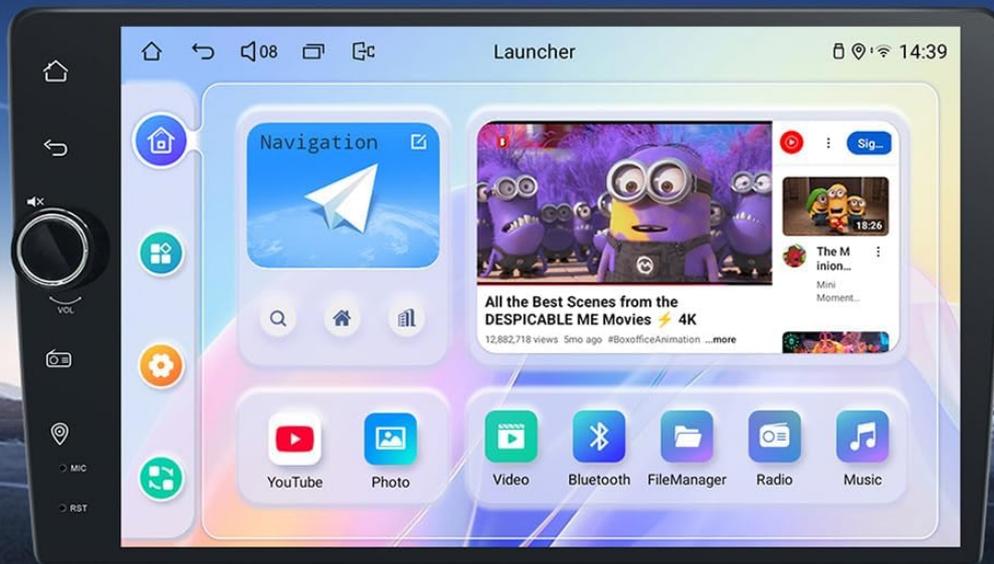


Image: Front view of the Joying JY-UTS07N8 car stereo displaying its Android 13 interface with navigation, media, and app icons.

WHAT'S IN THE BOX

Carefully unpack the box and ensure all items are present:

- 9" radio x1
- Single Din Cage x1
- Mounting Sleeve x1
- Left & Right Bracket x1
- Plastic Trim Out x1
- Extraction Keys 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

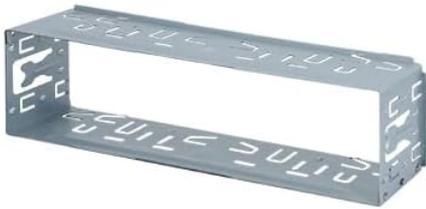
			
Single Din Cage	Mounting Sleeve	Left & Right Bracket	
			
Plastic Trim Out	Extraction Keys	Installation Manual	WiFi Antenna *1
			
GPS Antenna *1	4G Antenna *2	External Mic*1	USB Cable *2
			
AR Cable*1	Screen Ribbon Cable*1	ISO Cable *1	User Manual

Image: A grid display of all components included in the Joying JY-UTS07N8 package, such as the main unit, mounting hardware, various cables, and antennas.

SETUP & INSTALLATION

1. Pre-Installation Considerations

Before installation, you may require additional components such as an installation frame kit, a special ISO harness, an amplifier adapter, or a CANbus decoder, depending on your vehicle's specific requirements. This unit does not support factory car GPS antennas, backup rear cameras, Bluetooth, USB, or microphones. Only JOYING accessories are supported for DAB+ digital radio adapter, DVR, OBDII scanner, reverse camera, TPMS, and steering wheel controller, which are sold separately.

2. Physical Dimensions and Connections

Refer to the diagram below for the unit's dimensions and rear port layout to ensure compatibility with your vehicle's dashboard and wiring.

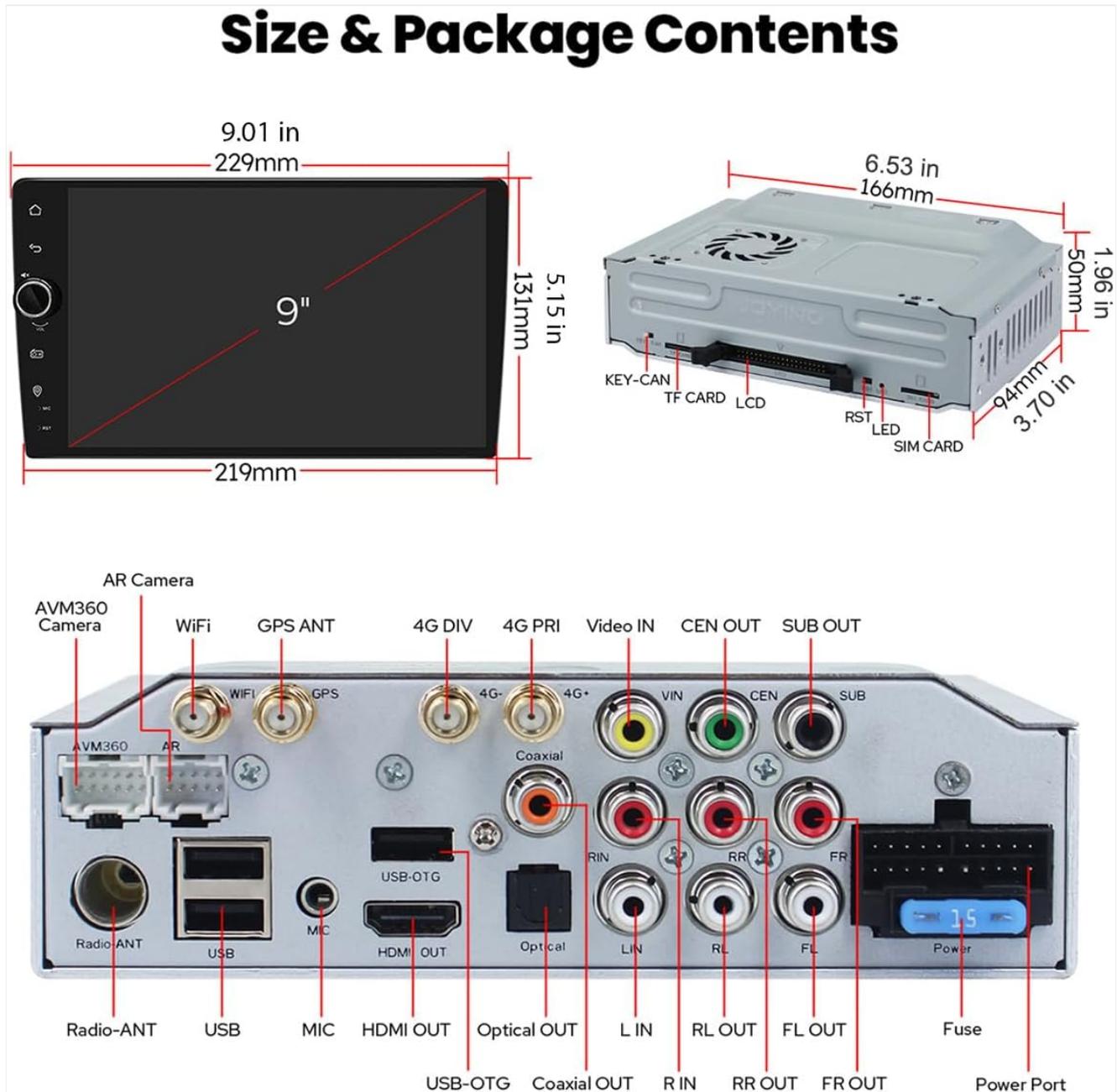


Image: A detailed diagram illustrating the physical dimensions of the 9-inch display and the main unit, along with a labeled view of all rear input/output ports including USB, HDMI, optical, coaxial, and various audio/video connections.

3. Adjustable Installation Structure

The included left and right brackets are designed with adjustable fixing positions. They can be extended or telescoped to achieve the optimal fixing position for your car's center console, accommodating a wider range of vehicles.

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.

Image: A visual representation of the upgraded installation structure, showing how the left and right brackets can be adjusted to different lengths (34mm, 52mm, MAX 88mm) to fit various car consoles.

4. Initial Boot-up

After connecting the power, the unit will start up immediately upon turning the car key. It will enter the user interface within 2 seconds. The very first boot-up may take approximately 30-40 seconds.

OPERATING INSTRUCTIONS

1. CarPlay & Android Auto

Connect your mobile phone to the car radio via a USB cable or Bluetooth to utilize Carplay or Android Auto. This allows you to display and interact with your phone's apps, including navigation, phone calls, and music, on the larger car stereo screen.

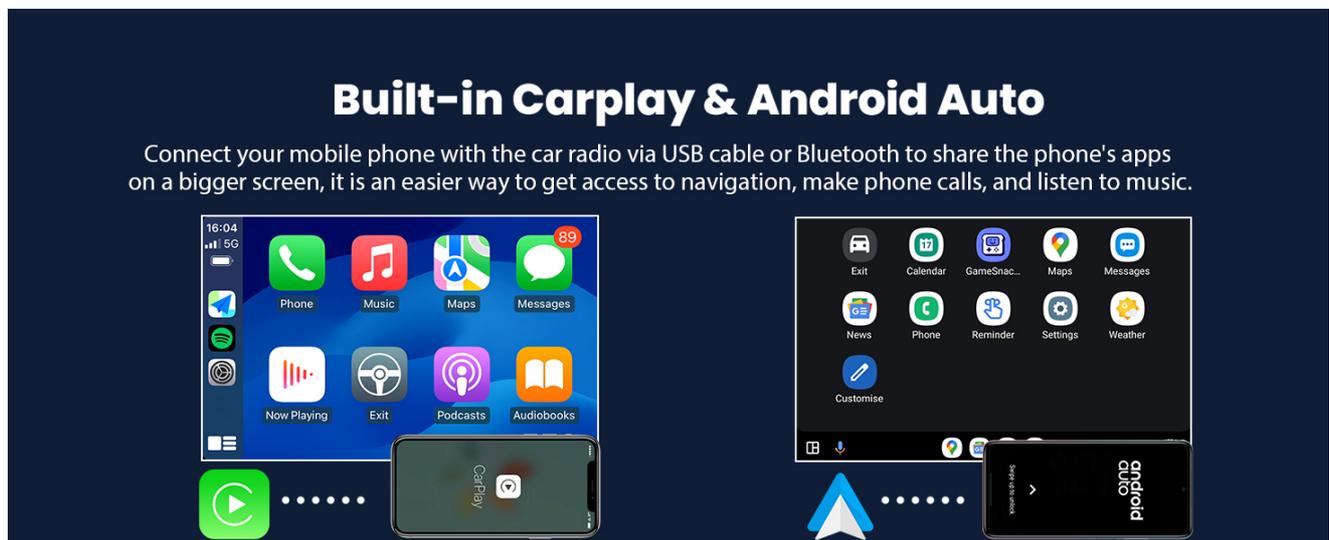


Image: A split view showing the user interfaces for Apple CarPlay and Android Auto as displayed on the car stereo screen, highlighting navigation, communication, and media functions.

2. GPS Navigation

The unit features precise GPS engines and includes a GPS antenna for accurate positioning and faster real-time navigation. You can download Google offline maps for areas where supported, saving the map data directly to the car stereo for offline use. Mobile phone map data can also be synchronized to the head unit via Carplay or Android Auto.

3. AM/FM Radio

Access AM/FM radio stations. Use the touchscreen interface to scan, save, and select your preferred stations.

4. Built-in 4G Module

Insert a SIM card into the dedicated slot for internet access. Note that this module supports data for internet access but cannot be used to make phone calls or send SMS messages. Supported FDD-LTE bands include B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B38/B66/B71, and TDD-LTE band B41.

5. Optical Fiber and Coaxial Digital Output

For users with external amplifiers featuring Optical Fiber or Coaxial Digital Input, this unit provides direct digital audio output, allowing for optimal sound quality.

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: A graphic highlighting the car stereo's audio capabilities, including a TDA7851 DSP chip, 48-band graphic equalizer, 4x50W max output power, and support for aftermarket amplifiers via 4 audio outputs, 1 SUB output, fiber optical output, SPDIF coaxial output, and center channel output.

6. Split-screen Multitasking

The unit supports split-screen functionality, allowing you to run two applications simultaneously. To activate, tap the recent apps icon, then find the app you want to run in split-screen, click its icon to bring up the split-screen button, and tap it. The first app will display on the left side, then choose the second app from recent apps.

Split-screen Multitasking

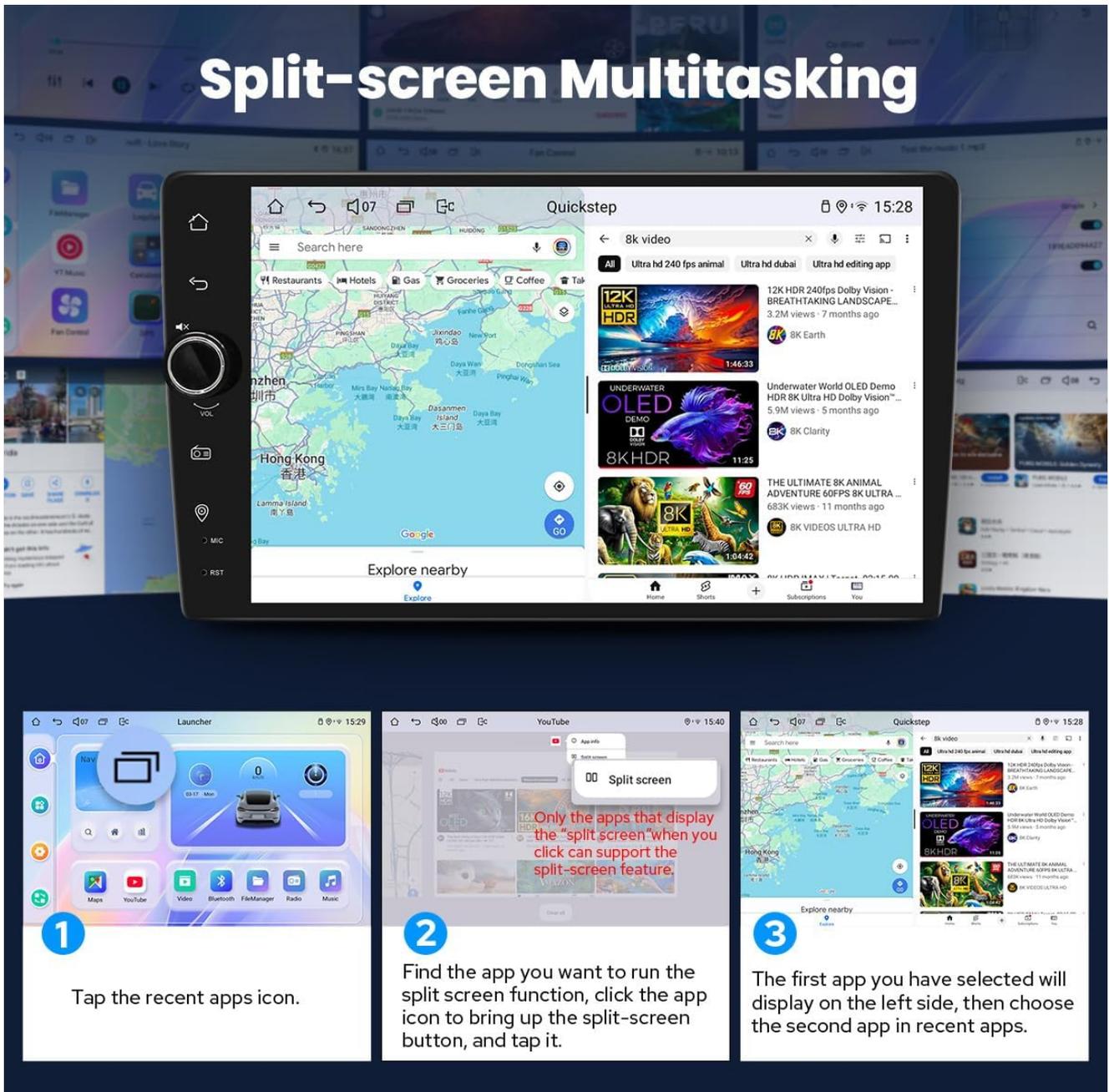


Image: A visual guide demonstrating the steps to activate and use the split-screen multitasking feature, showing navigation on one side and a video player on the other.

7. Steering Wheel Control (SWC)

The unit supports steering wheel controls, enabling you to easily switch songs, change radio channels, and adjust volume for a safer driving experience. For vehicles with a CAN system, an additional CANbus cable may be required to retain this feature.

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.)



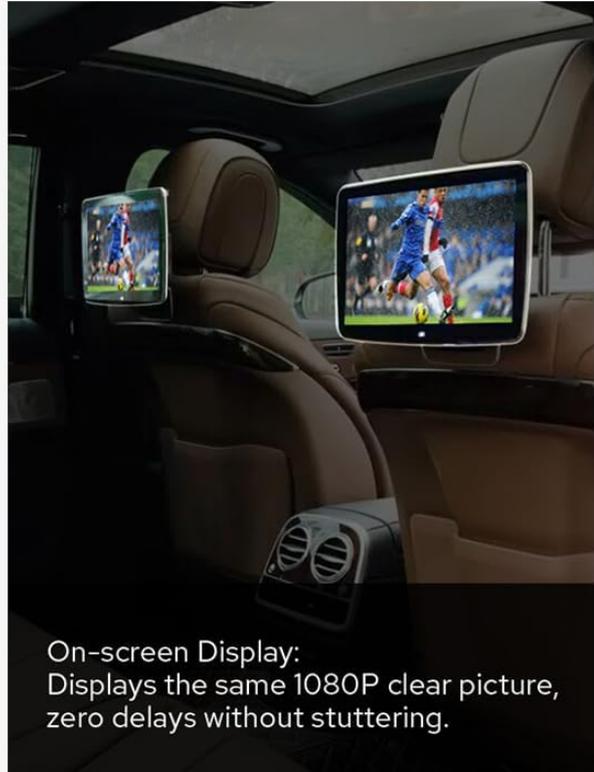
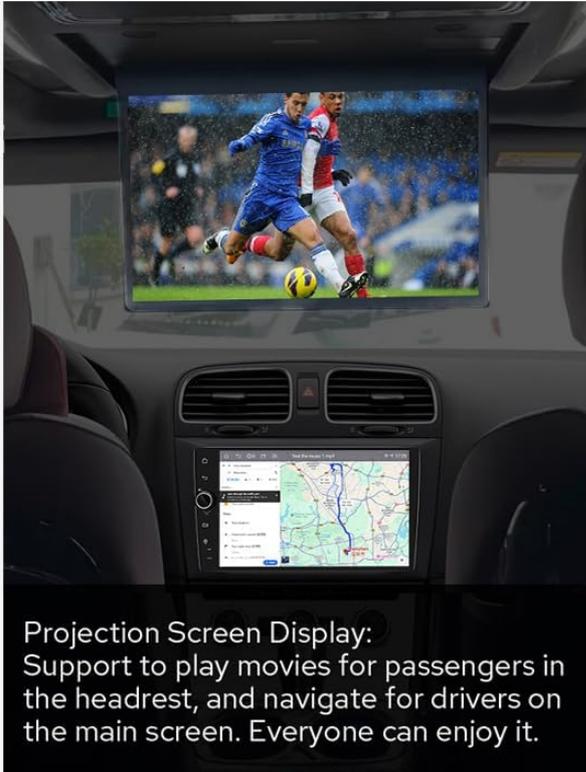
Image: An illustration showing a car's steering wheel with control buttons and the car stereo display, indicating how steering wheel controls can be configured and used to manage media and volume.

8. HDMI Output

The HDMI output provides a full digital image and sound-sending interface. It supports uncompressed audio and video signals, allowing for synchronous output to external displays without manual adjustment. This enables projection screen display for passengers in the headrest or on-screen display for a zero-delay, 1080P clear picture. Note that the HDMI cable is not included.

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: A visual demonstrating the HDMI output feature, showing the car stereo connected to a flip-down screen and headrest monitors, displaying the same content. An inset highlights the HDMI OUT port on the rear of the unit.

9. Personalized Settings

Customize your car stereo experience with various personalized settings:

- **Changeable Button Color:** Adjust the color of the physical buttons to match your vehicle's interior lighting or personal preference.
- **Car Boot Logo:** Select a custom logo to display during the unit's startup sequence.
- **Customizable Wallpapers:** Choose from a selection of wallpapers or upload your own to personalize the home screen.
- **Adjustable Screen Brightness:** Control the screen brightness for optimal visibility in various lighting conditions.

Personalized Setting

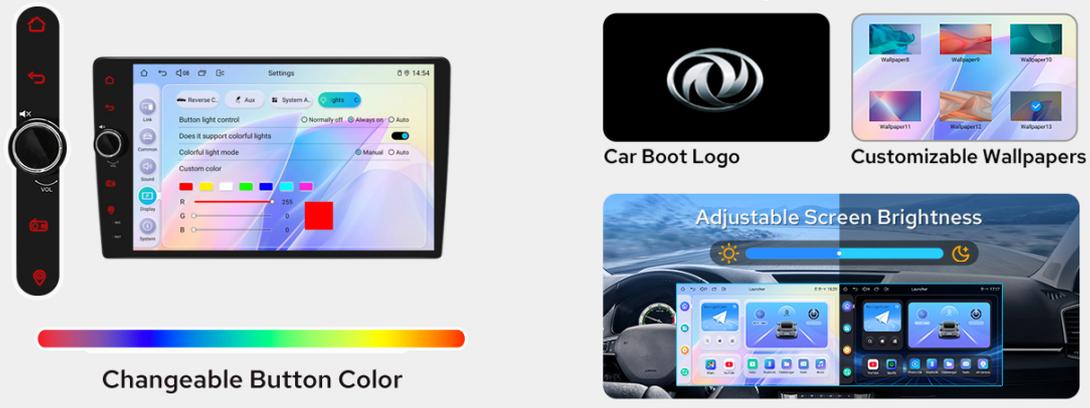


Image: A collage showcasing the personalized settings, including options for changing button colors, setting a car boot logo, customizing wallpapers, and adjusting screen brightness.

10. Other Features

The unit also includes:

- Picture-in-Picture functionality
- 3 USB ports for connectivity
- Micro SD Card Slot
- 4G SIM Card Slot
- Hands-free Call capability



Image: A graphic summarizing various features of the car stereo, including Fast Boot, GPS Navigation, AM/FM Radio, Hands-free Call, Picture-in-Picture, 3 USB ports, Micro SD Card Slot, and 4G SIM Card Slot.

MAINTENANCE

1. Cooling System

The unit features a dual heat sink design for superior heat dissipation, improved temperature control, and enhanced performance stability. You can set a warning value for CPU temperature or radio volume. If the CPU temperature or radio's volume exceeds this warning value, the fan will automatically activate for cooling to prevent overheating.

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: A diagram illustrating the upgraded cooling system of the car stereo, showing dual heat sinks and a fan, along with a screenshot of the fan control interface on the unit's display.

2. General Cleaning

To maintain the unit's appearance and functionality, regularly wipe the screen and exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the surface.

3. WiFi Signal

The unit includes an independent WiFi antenna to ensure stable signal quality and provide fast, smooth internet access. The supported WiFi standard is 802.11a/b/g/n/AC, with spectral bands of 2.4GHz/5GHz.

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: A close-up view of the independent WiFi antenna connected to the car stereo, emphasizing its role in providing stable and fast internet access.

TROUBLESHOOTING

- **No Power:** Check all power connections and fuses. Ensure the car ignition is on.
- **No Sound:** Verify speaker connections. Check volume levels and mute settings. Ensure external amplifiers are powered on if used.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **CarPlay/Android Auto Not Connecting:** Ensure your phone is compatible and connected via a quality USB cable or Bluetooth. Check phone settings for Carplay/Android Auto permissions.

- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, contact support.
- **Unsupported Factory Features:** This unit does not support factory car GPS antenna, backup rear camera, Bluetooth, USB, or microphone. These require specific JOYING accessories.

SPECIFICATIONS

Product Dimensions	5.91 x 7.99 x 4.72 inches
Item Weight	2.65 pounds
Item Model Number	JY-UTS07N8
Brand	JOYING
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Controller Type	Android
Special Feature	DSP, Equalizer, RCA, RDS, Rear View Camera Input
Compatible Devices	Amplifier, Smartphone, Speaker
Total HDMI Ports	1
Connector Type	Coaxial, Optical
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5.1
Video Encoding	Supports H264/H265/MP4/AVI/MKV/FLV

OPTIONAL ACCESSORIES

The following accessories are not included in the standard package but can be purchased separately to enhance your experience:

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: B0CBX4N6V8)
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: A display of optional accessories including an OBD2 scanner, AR Front Camera, and AR Rear Camera, with descriptions of their functions.

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

- **AR Rear Camera:** Switches to the reverse display automatically when backing up the car.

WARRANTY & SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official JOYING website. You may also contact the seller directly through your purchase platform for assistance.