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› [JOYING JY-UZ135N4 7-Inch Double Din Car Stereo User Manual](#)

JOYING JY-UZ135N4

JOYING JY-UZ135N4 7-Inch Double Din Car Stereo

User Manual

Model: JY-UZ135N4 | Brand: JOYING

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JOYING JY-UZ135N4 7-inch Double Din Car Stereo. This advanced head unit features Android 12, a touch screen display, 4GB RAM + 64GB ROM, integrated CarPlay and Android Auto, Mirror Link, HDMI output, AM/FM radio, Bluetooth 5.0, and a convenient volume knob. Please read this manual thoroughly before use to ensure proper functionality and safety.

SAFETY INFORMATION

Always prioritize safety during installation and operation. Improper installation can lead to vehicle damage or personal injury. If you are unsure about any step, consult a professional technician.

- **Professional Installation Recommended:** For smooth installation and safe use, if you lack relevant experience, it is recommended to have a professional technician complete the installation.
- **Wiring Insulation:** All wire connections must be fully insulated with electrical tape to prevent short circuits.
- **Accessory Compatibility:** This unit only supports JOYING accessories. DVR, OBDII scanner, reverse camera, TPMS, and steering wheel controller are not included and must be ordered separately if desired.
- **Factory Components:** The unit does not support factory car GPS antenna, backup rear camera, Bluetooth, USB, or microphone.
- **Installation Frame:** 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 situation.

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.



Image: Overview of the package contents, including the head unit and various cables and accessories.

- Power Cable x1
- 4P-USB Wire x1
- 6P-USB Wire x1
- Rear View Interface Wire x1
- GPS Antenna x1
- 20P-RCA Wire x1
- Installation Screw x6
- User Manual x1
- Rear View Camera x1 (Optional, may be included in some packages)
- Brackets x2

INSTALLATION

The following section provides general guidance for installing your JOYING car stereo. Specific vehicle models may require additional adapters or tools. Refer to your vehicle's manual for dashboard removal instructions.

Installation and Wiring Video Tutorial

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Video: A detailed tutorial demonstrating the installation and wiring process for the car stereo. This video covers removing the old unit, connecting power and accessory cables, and installing the new head unit.

Wiring Connections Overview

Understanding the wiring connections is crucial for proper installation. The unit supports various inputs and outputs for comprehensive car integration.



Image: Comprehensive wiring diagram illustrating the various connections for the car stereo, including power, speaker outputs, and accessory inputs.



Image: Rear operation panel of the car stereo, highlighting ports for power cable, RCA input/output, 8-pin connectors, USB cables, camera input, radio antenna, and GPS antenna.



Image: Optional rear view camera wiring diagram, detailing connections for the reversing trigger line, video output, and camera power cable.

Step-by-Step Installation

- 1. Remove the Original Vehicle Machine:** Carefully remove your existing car stereo from the dashboard. Disconnect all cables.



Image: The process of removing the original car stereo, revealing the wiring for GPS antenna, camera input, power adapter cable, and radio antenna.

- 2. Connect the Original Vehicle Line:** Select the appropriate power cable for your vehicle. You may use a universal power cable or a dedicated power cable if available for your car model.



Image: Comparison of universal and dedicated power cables. Universal cables require manual wiring based on a definition diagram, while dedicated cables offer direct plug-and-play for specific car models.



Image: Universal power cable wiring diagram, illustrating pin functions for front/rear speakers, ACC, SWC, ILLUMI, B+, and GND. This example is for a 2022 Highlander.



Image: Demonstrates connecting the gifted power cord wires to the corresponding wires of the original car's definition, one by one, and insulating them with electrical tape.



Image: Shows the removal of the original vehicle's power adapter cable from the dashboard.



Image: Connecting the dedicated power cable to the vehicle's existing wiring harness. This method is simpler for compatible vehicles.



Image: Connecting the Rear Camera (+) wire from the dedicated power cable to the Camera Input power cord, ensuring proper power supply for the camera.



Image: Connecting the 8-pin connector and the reverse camera cable (if optional camera is used), followed by insulating the connection with electrical tape.

- 3. Connect the Back Interface:** Connect the GPS antenna, radio antenna, USB cables, and RCA wires to the corresponding ports on the back of the head unit.



Image: Installing the GPS antenna by screwing it into the GPS port on the back of the head unit.



Image: Installing the radio antenna into the ANT port on the back of the head unit.



Image: Installing the 8-pin connector for BREAK1.BACK CVBSIFI/BT/CanBus into its designated port.



Image: Installing the two USB cables into the corresponding USB ports on the back of the head unit.



Image: Installing the 20P-RCA wire harness into its designated port on the back of the head unit.



Image: Installing the main power cable into the power input port on the back of the head unit.

- 4. Test the Car Stereo:** Before fully securing the unit, start your car and test the car stereo's basic

functions to ensure all connections are correct.



Image: The car stereo powered on and displaying its main interface, ready for testing after installation.



Image: Before vs. After installation comparison, showing the original car stereo next to the newly installed JOYING JY-UZ135N4 unit.

OPERATING INSTRUCTIONS

Initial Startup

The unit features a fast boot function. Once the car key is inserted, the system will start up and enter the user interface within 2 seconds. The very first boot-up may take approximately 30-40 seconds.

User Interface and Controls

7 inch Universal Double 2 Din Android Car Stereo

Qualcomm Snapdragon 6126 Android IPS 1024x600

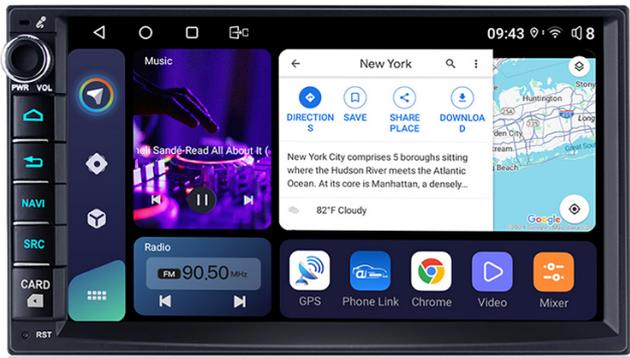


Image: The deep-optimized user interface, specifically customized for car driving. It displays a split-screen function, changeable button colors, and various app icons for navigation, music, and settings.

The user interface is optimized for car driving, featuring intuitive controls and customizable options. The physical volume knob provides easy audio adjustment.

Connectivity

Wi-Fi & 4G Module

The unit includes a built-in 4G module for internet access. Insert a SIM card to enable this feature. Note that it supports internet access but not phone calls or SMS directly from the unit. Supported FDD-LTE bands include B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B38/B66/B71, and TDD-LTE band B41.

Astonishing Performance

CPU QCM6125 Octa Core 64bit ARM 4xA73@2.0GHz/4xA53@1.8GHz	GPU Adreno™ 610 @950 MHz 	LPDDR4X Memory Type
11 nanometers Manufacturing Technology		4GB+64GB RAM & ROM
GPS / GLONASS / Beidou Positioning System	WiFi-5 Up to 600 Mbps DL 802.11ac Wi-Fi X12 LTE modem	Network 4G/3G/Bluetooth OBD(5.0)

Image: Instructions for inserting a 4G SIM card into the dedicated slot for direct internet access.

Car-Smartphone Connectivity (Wireless/Wired CarPlay & Android Auto)

Connect your mobile phone via USB cable or Bluetooth to utilize CarPlay or Android Auto. This allows you to access your phone's apps, navigation, make calls, and stream music directly through the car stereo's larger screen. The unit has built-in Android Auto and CarPlay modules, requiring no extra devices or dongles.

Built-in DSP

(Amplifier IC: TDA 7851; 4*50W Max Output Power)

- * 42-band equalizer, with independent front and rear speaker adjustment.
- * Fully adjustable of subwoofer and bass-boost.
- * Equipped with a DTS5.1 panoramic surround sound effects and sound field correction system to make the speaker break through physical limitations.



Image: Demonstrates the seamless integration of wireless/wired CarPlay and Android Auto, allowing smartphone functions to be displayed and controlled on the car stereo screen.

Navigation

The unit features precise GPS engines and includes a GPS antenna for accurate positioning and faster real-time navigation. It supports offline maps; you can download Google offline map data for specific areas and use it without an internet connection. Mobile phone map data can also be synchronized to the head unit via CarPlay/Android Auto.

Audio Features

Optical Fiber and Coaxial Digital Output

If your external amplifier supports Optical Fiber or Coaxial Digital Input, this unit provides a direct connection for achieving optimal sound quality.

Built-in DSP (Digital Sound Processor)

The unit includes a built-in DSP with an Amplifier IC: TDA 7851, offering 4*50W Max Output Power. It features a 42-band equalizer with independent front and rear speaker adjustment, fully adjustable subwoofer and bass-boost, and a DTS 5.1 panoramic surround sound effects and sound field correction system.

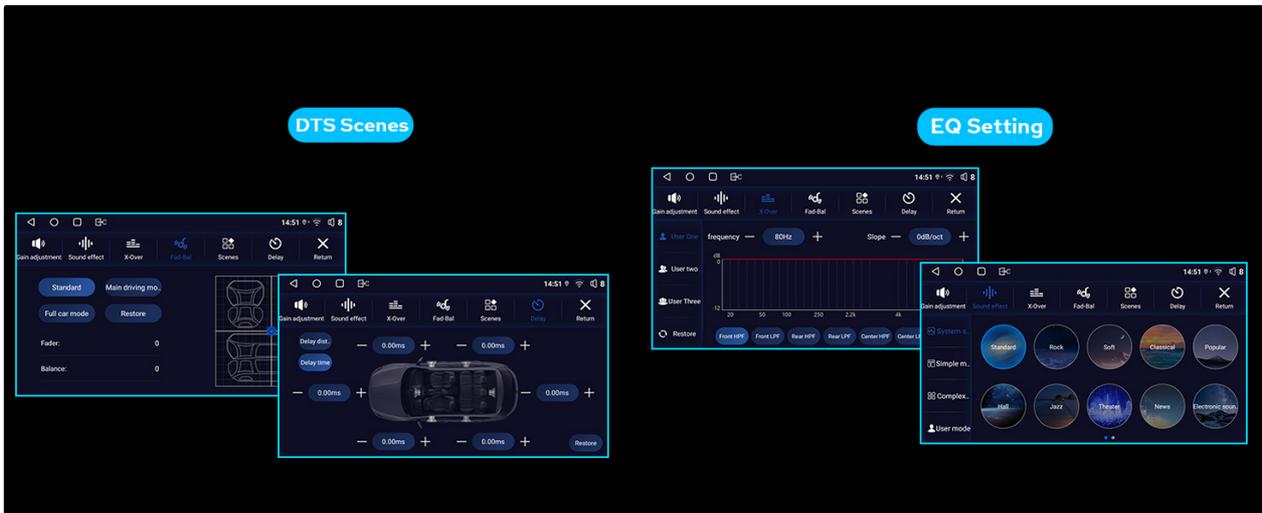


Image: User interface for the built-in DSP, showing options for DTS scenes and detailed equalizer settings to customize audio output.

Other Features

Split-screen Multitasking

The unit supports split-screen multitasking, allowing you to run two applications side-by-side on the screen. Note that only Google-related apps typically support this split-screen function.

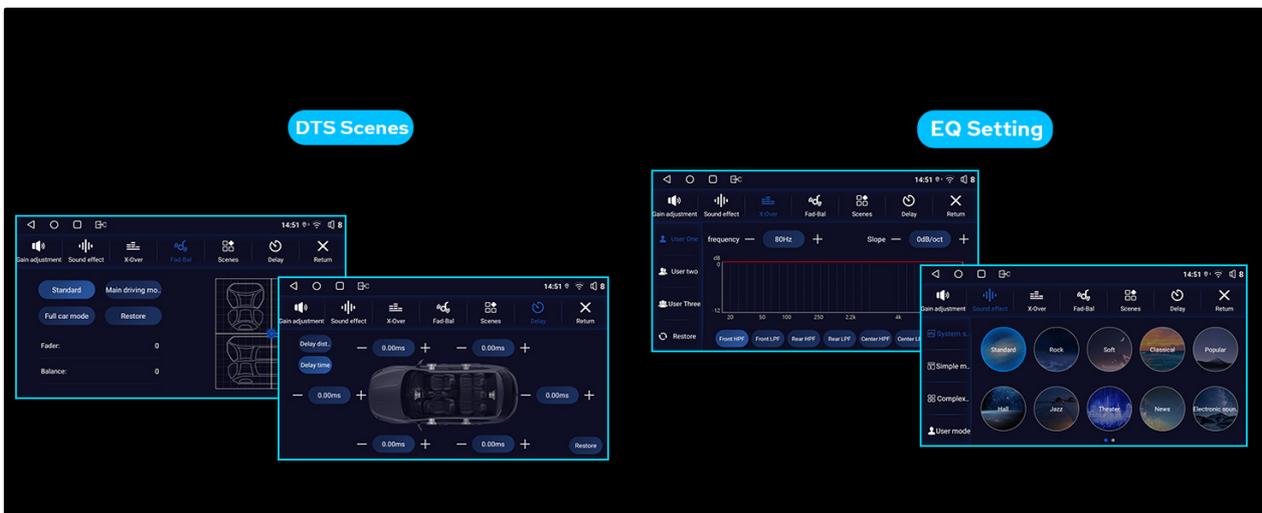


Image: The split-screen multitasking feature in action, displaying two applications concurrently on the car stereo's screen.

HDMI Output

The HDMI output provides a full digital image and sound signal, allowing uncompressed audio and video signals to be output synchronously without manual adjustment. This supports projection screen display for passengers in the headrest and on-screen display with 1080P clear picture and zero delays.

Note: Due to the space design inside the chassis, an HDMI cable with a straight head is not supported. An HDMI cable is not included.



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.

Notice: If your car has canbus, you need to purchase extra canbus decoder harness to maintain this function.

Image: Demonstrates the HDMI output feature, allowing the car stereo's display to be mirrored on external screens like headrest monitors. It also shows compatible and incompatible HDMI cable types.

AR Camera

During driving, you can freely switch between the front and rear cameras to observe the driving environment. For optimal performance, it is recommended to purchase JOYING's AR camera, which is optimized for compatibility and provides clearer, more stable images.



Size & Package Contents

Image: Displays the AR camera functionality, showing both front and rear camera views on the car stereo screen for enhanced driving awareness.

Steering Wheel Control

The unit supports steering wheel control, allowing you to easily switch songs, radio channels, and adjust volume for a safer and more enjoyable journey. If your car has a CANbus system, you may need to purchase an extra CANbus decoder harness to enable this function.

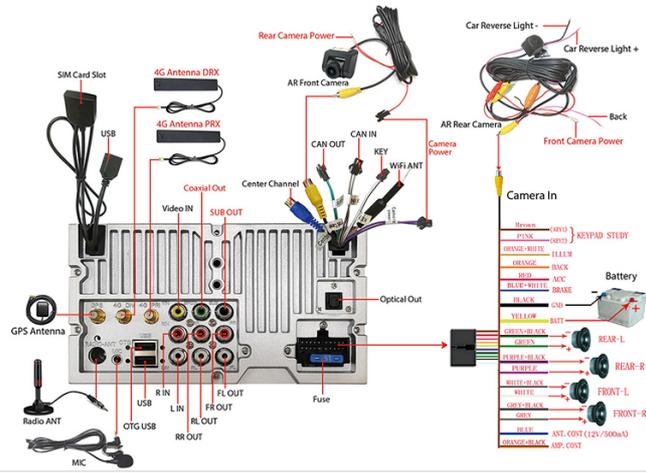


Image: The steering wheel control interface, demonstrating how to program and use steering wheel buttons to manage the car stereo functions.

SPECIFICATIONS

The JOYING JY-UZ135N4 car stereo is engineered with robust components for optimal performance and a rich user experience.

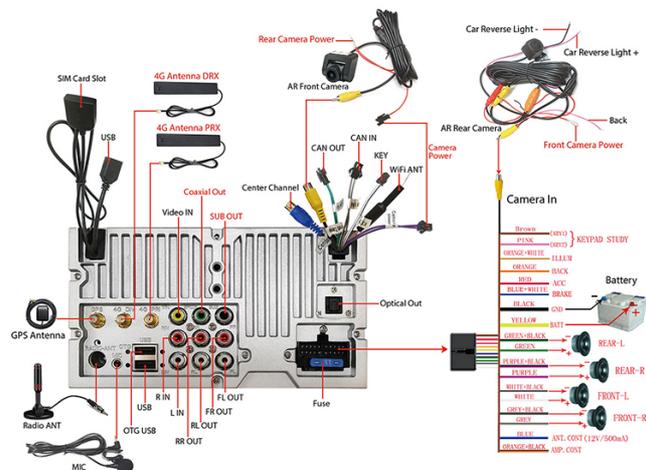


Image: Highlights the core performance components of the car stereo, including the Qualcomm Snapdragon 6125 Octa-Core CPU, Adreno 610 GPU, 4GB LPDDR4X RAM, 64GB ROM, and advanced GPS/GLONASS/Beidou positioning system.

Applicable Models

* The double din car stereo can be installed on a car with a dashboard size of **178(width)*100(Height)mm**



Image: Illustrates the standard double din car stereo dimensions (178mm width x 100mm height) for dashboard compatibility.

*If the size of the car dashboard is **NOT** 178*100mm, you need an extra installation kit (**not included**) to install it.



- 1** Remove the factory side brackets from your factory car radio, then install the factory side brackets on main unit.
- 2** Mount the dash frame suitable for your vehicle onto the main head unit.

Image: Provides guidance for non-standard dashboard sizes, showing the use of an extra installation kit (not included) to adapt the car stereo.

Size & Package Contents

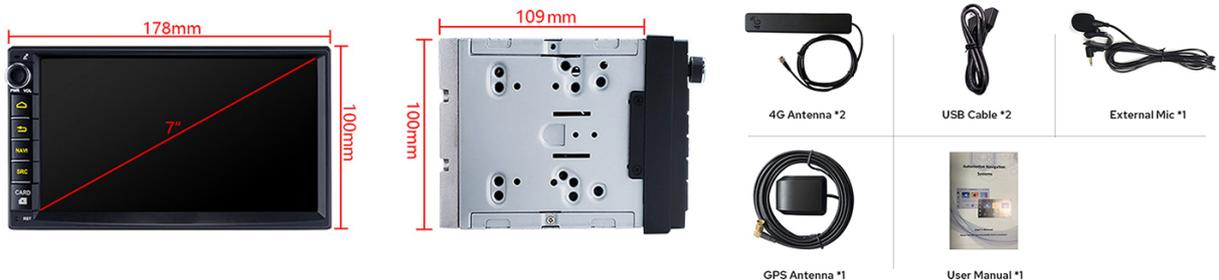


Image: Physical dimensions of the 7-inch car stereo (178mm x 100mm) and a visual representation of the package contents, including antennas, USB cables, and user manual.

Technical Specifications

Feature	Detail
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Feature	Detail
Brand	JOYING
Model	JY-UZ135N4
Operating System	Android 12
RAM	4GB
ROM	64GB
Display Size	7 Inch
Display Type	Touch Screen
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Special Features	Android Auto, Apple CarPlay, Built-In Bluetooth, Built-In Wi-Fi, RDS
Audio Output Mode	Stereo
Audio Output Type	Bluetooth, HDMI, Speakers
Surround Sound Channel Configuration	5.1
Video Encoding Support	H264/H265/MP4/AVI/MKV/FLV
Compatible Devices	Amplifier
Total HDMI Ports	1
4G Module Support	FDD-LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B38/B66/B71; TDD-LTE: B41
Item Dimensions (L x W x H)	25.4 x 22.86 x 15.24 cm (Parcel Dimensions)

MAINTENANCE

To ensure the longevity and optimal performance of your JOYING car stereo, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touch screen. For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check the JOYING official website or the unit's settings for available software updates. Keeping your system updated ensures the latest features, bug fixes, and performance improvements.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme temperatures (very hot or very cold) for extended periods, as this can affect its electronic components.
- **Ventilation:** Ensure that the unit's ventilation areas are not blocked to prevent overheating.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from

damage.

TROUBLESHOOTING

If you encounter issues with your JOYING car stereo, refer to the following common troubleshooting steps. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, incorrect wiring.	Check power cable connections. Inspect vehicle's fuse box and the unit's fuse. Verify wiring against the diagram.
No sound output	Speaker wires disconnected, volume too low, incorrect audio source selected.	Ensure speaker wires are securely connected. Increase volume. Select the correct audio source (e.g., Radio, Bluetooth, USB).
GPS signal weak or lost	GPS antenna improperly installed or obstructed.	Ensure GPS antenna is securely connected and placed in an area with a clear view of the sky.
CarPlay/Android Auto not connecting	Incorrect USB cable, phone settings, or Bluetooth pairing issue.	Use a high-quality USB data cable. Check phone settings for CarPlay/Android Auto permissions. Ensure Bluetooth is paired correctly.
Touch screen unresponsive	Temporary software glitch, screen calibration needed.	Restart the unit. If available, perform a screen calibration from the settings menu.
Fast boot not working	First-time boot or system update in progress.	Allow up to 40 seconds for the initial boot. Subsequent boots should be faster.

WARRANTY AND SUPPORT

JOYING products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official JOYING website. Keep your purchase receipt as proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or inquiries about accessories, please contact JOYING customer service through the channels provided on their official website or your retailer's support page. When contacting support, please have your product model number (JY-UZ135N4) and purchase details ready.

Online Resources:

- Visit the [JOYING Store on Amazon](#) for product information and updates.

