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> [JOYING 10.1 Inch Single Din Car Stereo with Wireless CarPlay & Android Auto \(Model: JY-UZS10N8-MR\) User Manual](#)

JOYING JY-UZS10N8-MR

JOYING 10.1 Inch Single Din Car Stereo User Manual

Model: JY-UZS10N8-MR

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JOYING 10.1 Inch Single Din Car Stereo. Please read this manual thoroughly before using the device to ensure proper functionality and safety.



Figure 1: JOYING 10.1 Inch Car Stereo in-dash view.

2. SETUP AND INSTALLATION

2.1 Important Installation Notices

- For installation, additional components such as an installation frame kit, special ISO harness, amplifier adapter, or CAN bus decoder may be required, depending on your vehicle's specific configuration.
- This unit does not support factory car GPS antennas, original backup cameras, Bluetooth, USB, or microphones.
- Only JOYING brand accessories are supported. DAB+ digital radio adapters, DVRs, OBDII scanners, reverse cameras, TPMS, and steering wheel controllers are not included and must be purchased separately.

2.2 Screen to Main Deck Assembly

The display screen is detachable from the main head unit. Follow these steps to attach the screen:

1. Align the screen's mounting points with the main unit's connectors.
2. Gently push the screen onto the main unit until it clicks securely into place.
3. Ensure the ribbon cable is properly connected between the screen and the main unit.



Figure 2: Detached screen component.

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.



Due to the space design inside the chassis, the HDMI cable with a straight head is not supported. (HDMI cable is not included)

Figure 3: Screen attached to the main unit.

2.3 Wiring Diagram and Included Accessories

Refer to the diagram below for proper wiring connections. Ensure all cables are securely connected to their respective ports.

Precision 4-layer Motherboard Structure Display

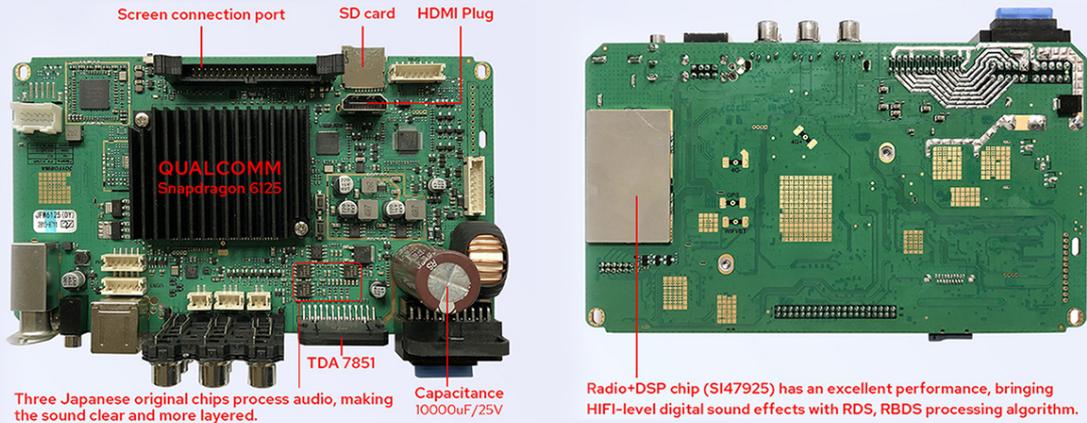


Figure 4: Rear view of the main unit with wiring ports and included accessories.

2.4 Screen Rotation

The screen supports manual rotation between horizontal and vertical orientations. Adjust the screen to your preferred viewing angle.

Qualcomm
Technologies, Inc QCM6125

CPU
QCM6125 Octa Core 64bit ARM
4xA73@2.0GHz
4xA53@1.8GHz

GPU
Adreno™ 610@950 MHz

Memory Type
LPDDR4X

Manufacturing Technology
11 nanometers

RAM & ROM
8GB+128GB

Figure 5: Horizontal to Vertical Screen Rotation.

11.6/13.3/15.1 inch :		
Screen Resolution 1920×1080P	Refresh Rate 60 Hz	Positioning System GPS / GLONASS / Beidou
Screen Density 380 dpi	DPI 240 dpi(hdpi)	WiFi-5 Up to 600 Mbps DL 802.11ac Wi-Fi X12 LTE modem
10.1 inch :		
Screen Resolution 1280×800P	Refresh Rate 60 Hz	Network 4G/3G/Bluetooth OBD(5.0)
Screen Density 273 dpi	DPI 160 dpi(mdpi)	

Figure 6: Vertical to Horizontal Screen Rotation.

Your browser does not support the video tag.

Video 1: Demonstrates screen rotation, connection of the main unit to the screen, and AR camera functionality. This video also shows video playback and UI navigation.

3. OPERATING INSTRUCTIONS

3.1 Fast Boot Feature

The device supports a fast boot feature. Once the car key is inserted, the unit will start up and enter the user interface within 2 seconds. The initial boot-up may take approximately 30-40 seconds.

3.2 User Interface Options

The system offers customizable user interfaces (UI). You can select between UI 1 and UI 2 in the settings to personalize your experience.



Figure 7: User Interface 2 with customization options.



Figure 8: User Interface 1 with navigation and media controls.

3.3 Wireless CarPlay & Android Auto

Connect your mobile phone to the car radio via USB cable or Bluetooth to utilize Wireless CarPlay or Android Auto. This allows for seamless access to navigation, phone calls, and music on the larger screen. Note: When switching to vertical screen mode, you may need to reconnect CarPlay or Android Auto.

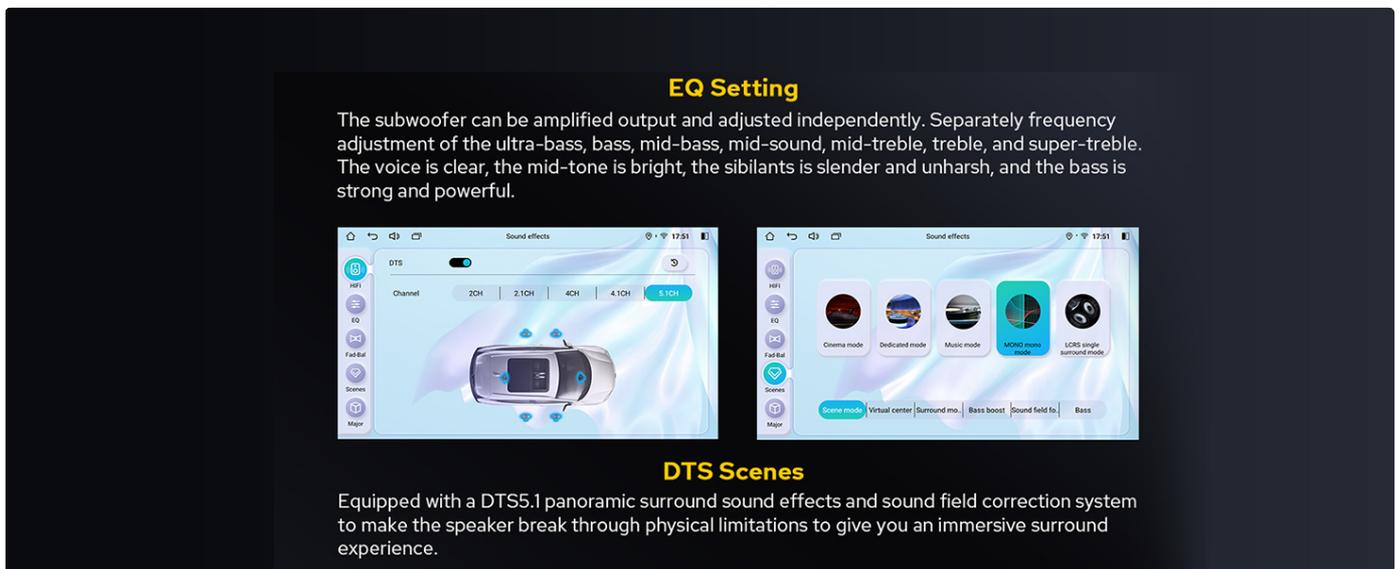


Figure 9: Wireless CarPlay and Android Auto functionality.

Your browser does not support the video tag.

Video 2: Demonstrates the Wireless CarPlay interface and its responsiveness.

3.4 GPS Navigation

The unit features precise GPS engines for accurate positioning, including GPS antennas for better satellite signal reception, ensuring faster real-time navigation. Offline maps are supported; you can download map data for specific areas and use them without an internet connection. Mobile phone map data can also be synchronized via CarPlay/Android Auto.

3.5 Built-in 4G Module

Insert a SIM card into the built-in 4G module for internet access. This module uses Qualcomm's baseband for faster internet speeds, more stable network connections, and wider signal range. Please note that it does not support making phone calls or sending SMS messages. Supported FDD-LTE bands:

B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B38/B66/B71. Supported TDD-LTE band: B41.

3.6 Split-screen Multitasking

The device supports split-screen multitasking, allowing you to run two applications side-by-side on the screen. This feature enhances usability by enabling simultaneous navigation and media playback, for example.



Figure 10: Split-screen multitasking in action.

3.7 HDMI Output

The HDMI port provides a full digital image and sound-sending interface, allowing for uncompressed audio and video signals to be output synchronously without manual adjustment. This supports projection screen displays for passengers in the headrest or on-screen displays with 1080P clear picture and zero delays. Due to chassis design, a straight-head HDMI cable is not supported (HDMI cable not included).

11.6/13.3/15.1 inch :		
Screen Resolution 1920×1080P	Refresh Rate 60 Hz	Positioning System GPS / GLONASS / Beidou
Screen Density 380 ppi	DPI 240 dpi(hdpi)	WiFi-5 Up to 600 Mbps DL 802.11ac Wi-Fi X12 LTE modem
10.1 inch :		
Screen Resolution 1280×800P	Refresh Rate 60 Hz	Network 4G/3G/Bluetooth OBD(5.0)
Screen Density 273 ppi	DPI 160 dpi(mdpi)	

Figure 11: HDMI Output capabilities.

3.8 Day & Night Mode and Colorful Lights Setting

The unit features a Day & Night mode for optimal visibility in various lighting conditions. The daytime mode is bright enough for clear viewing even in sunlight, while the night mode reduces brightness to prevent glare. You can also customize the button illumination color to match your car's dashboard.



Figure 12: Day & Night Mode and Colorful Lights Setting options.

3.9 Gesture Control and Floating Shortcut Key

Control the screen using intuitive two-finger gesture commands such as 'slide up', 'slide down', 'slide left', and 'slide right'. Additionally, a floating shortcut key can be enabled in the settings for easy access to controls while driving.

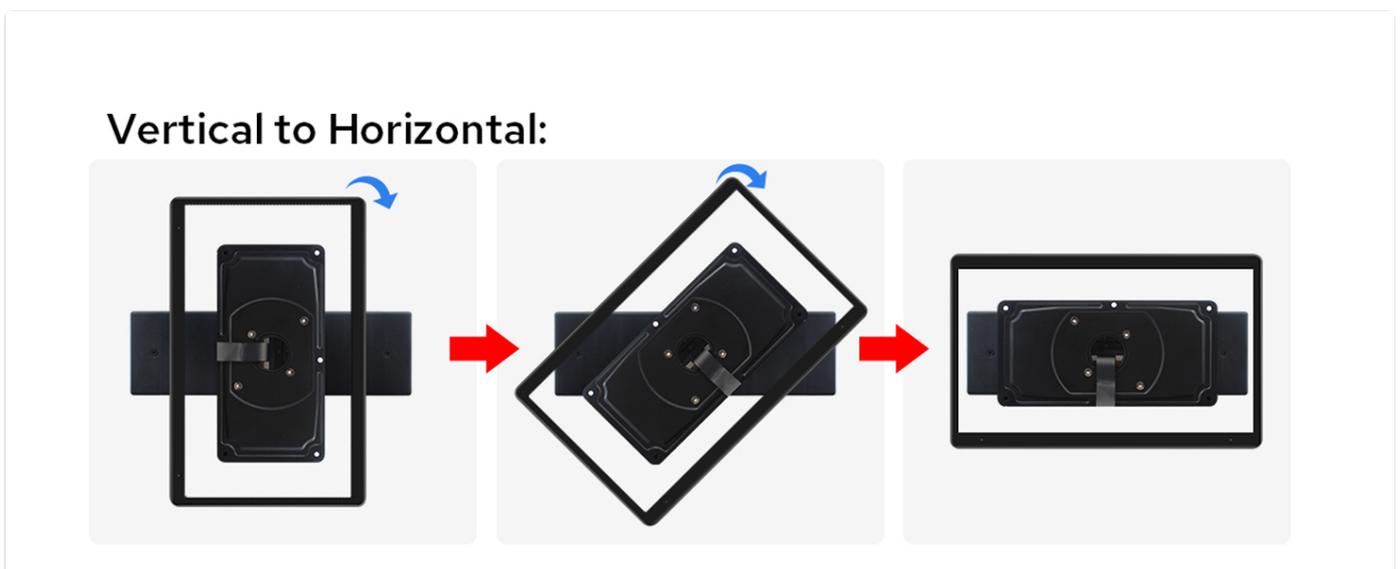


Figure 13: Gesture Control and Floating Shortcut Key features.

3.10 AR Camera Functionality

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 during recording.

How to fix the screen to the main deck:

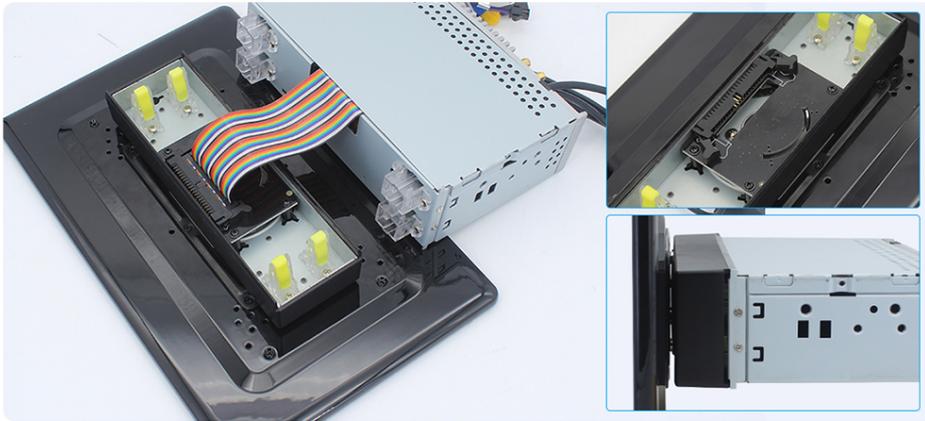


Figure 14: Front and Rear AR Camera views.

Horizontal to Vertical:

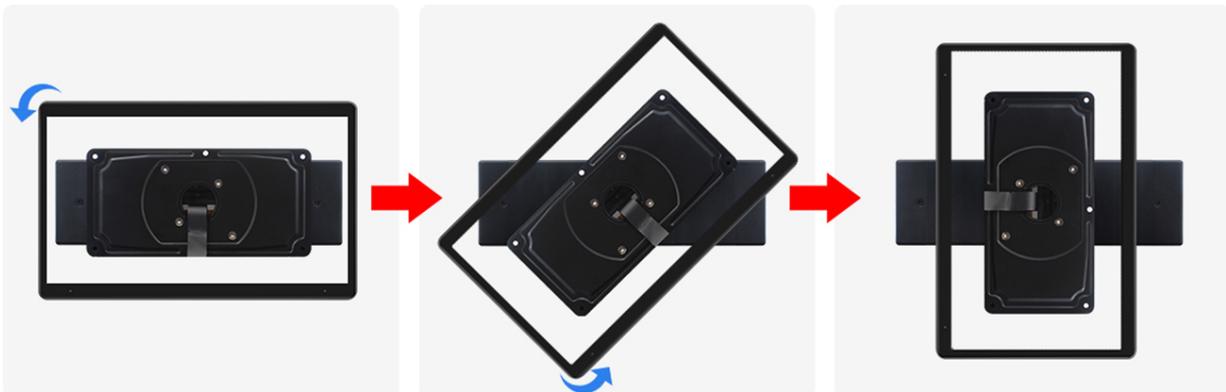


Figure 15: AR Camera coverage diagram.

4. AUDIO FEATURES

4.1 Built-in DSP

The unit features a built-in Digital Signal Processor (DSP) with a 48-band EQ and 20 preset sound effects, allowing for enhanced audio customization.

AR Camera

During driving, you can freely switch the front camera and rear camera to observe the safe driving environment.

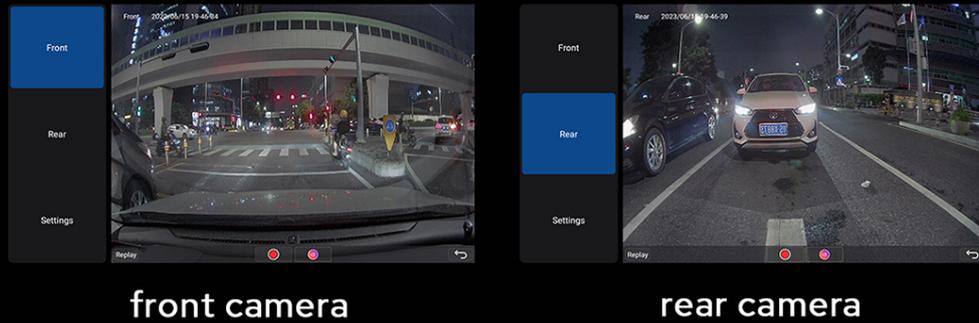


Figure 16: Built-in DSP interface.

4.2 EQ Setting and DTS Scenes

The subwoofer output can be amplified and adjusted independently. Frequency adjustments for ultra-bass, bass, mid-bass, mid-sound, mid-treble, treble, and super-treble are available. The unit is equipped with DTS 5.1 panoramic surround sound effects and sound field correction to provide an immersive surround experience.



Figure 17: EQ Setting and DTS Scenes.

4.3 High-precision Sound Processing

The DSP module performs high-precision digital processing of audio signals to achieve various sound effects, including reverberation, delay, distortion, and filtering.

New Gesture Control

Control the screen via gesture learning by 2 fingers: "slide up", "slide down", "slide left", and "slide right". Very friendly to those who are driving.



Floating Shortcut Key

Open the floating shortcut key in the setting, it will pop up on the left side, easy to control the screen while driving.



Figure 18: High-precision Sound Processing interface.

5. SPECIFICATIONS

Feature	Detail
Model Number	JY-UZS10N8-MR

CPU	Qualcomm Snapdragon 6125 Octa Core 64bit ARM (4xA73@2.0GHz, 4xA53@1.8GHz)
GPU	Adreno 610@950 MHz
Memory Type	LPDDR4X
Manufacturing Technology	11 nanometers
RAM & ROM	8GB + 128GB
Screen Resolution	1280x800P (10.1 inch)
Refresh Rate	60 Hz
Screen Density	273 ppi (10.1 inch)
DPI	160 dpi (mdpi)
Positioning System	GPS / GLONASS / Beidou
Wi-Fi	Wi-Fi 5 (Up to 600 Mbps DL 802.11ac Wi-Fi X12 LTE modem)
Network	4G/3G/Bluetooth OBD (5.0)
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Controller Type	Android
Special Feature	Touchscreen
Compatible Devices	Smartphone, Speaker
Total HDMI Ports	1
Connector Type	HDMI
Audio Output Mode	Surround
Surround Sound Channel Configuration	5.1
Video Encoding	H.264, H.265/HEVC
Package Dimensions	12 x 8 x 5 inches
Item Weight	5.72 pounds



Figure 19: Processor and Memory Specifications.



Figure 20: Screen and Network Specifications.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your JOYING car stereo.

6.1 Microphone Issues

If the microphone is not working or audio quality is poor during calls, ensure the external microphone is securely connected. In some cases, replacing the microphone may resolve the issue.

6.2 Bluetooth Connectivity Limitations

The Bluetooth chip primarily supports audio reception. It may not support communication with certain Bluetooth LE devices or electronic logging devices. Verify device compatibility if you experience connection issues with non-audio Bluetooth accessories.

6.3 CarPlay/Android Auto and Wi-Fi Connection Problems

If CarPlay, Android Auto, or Wi-Fi connections are unstable or fail to connect, try the following:

- Restart the car stereo unit.
- Ensure your phone's Wi-Fi and Bluetooth are enabled and discoverable.

- For Wireless CarPlay/Android Auto, reconnect your phone via USB or Bluetooth.
- Check for any obstructions or interference with the Wi-Fi or Bluetooth signals.

6.4 System Freezing or Unresponsiveness

If the unit becomes unresponsive, perform a soft reset by pressing and holding the power button until the unit restarts. If the issue persists, consult the manufacturer's support for further assistance.

7. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or visit the official JOYING website. For technical support, product inquiries, or service requests, please contact JOYING customer service through their official channels.