

JOYING JY-TT163N4

JOYING JY-TT163N4 Android 13 Car Stereo User Manual

For Toyota Corolla 2008-2013

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, and operation of your JOYING JY-TT163N4 Android 13 Car Stereo. This unit is designed specifically for Toyota Corolla models manufactured between 2008 and 2013, offering advanced features such as Android 13 operating system, 9-inch touch screen, CarPlay, Android Auto, GPS navigation, and Bluetooth connectivity.

Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PACKAGE CONTENTS

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

- 9" Radio Unit (x1)
- Single Din Cage (x1)
- Left & Right Bracket (x1)
- WiFi Antenna (x1)
- GPS Antenna (x1)
- 4G Antenna (x2)
- External Mic (x1)
- USB Cable (x2)
- AR Cable (x1)
- Screen Ribbon Cable (x1)
- Power Cable (x1)
- User Manual (x1)

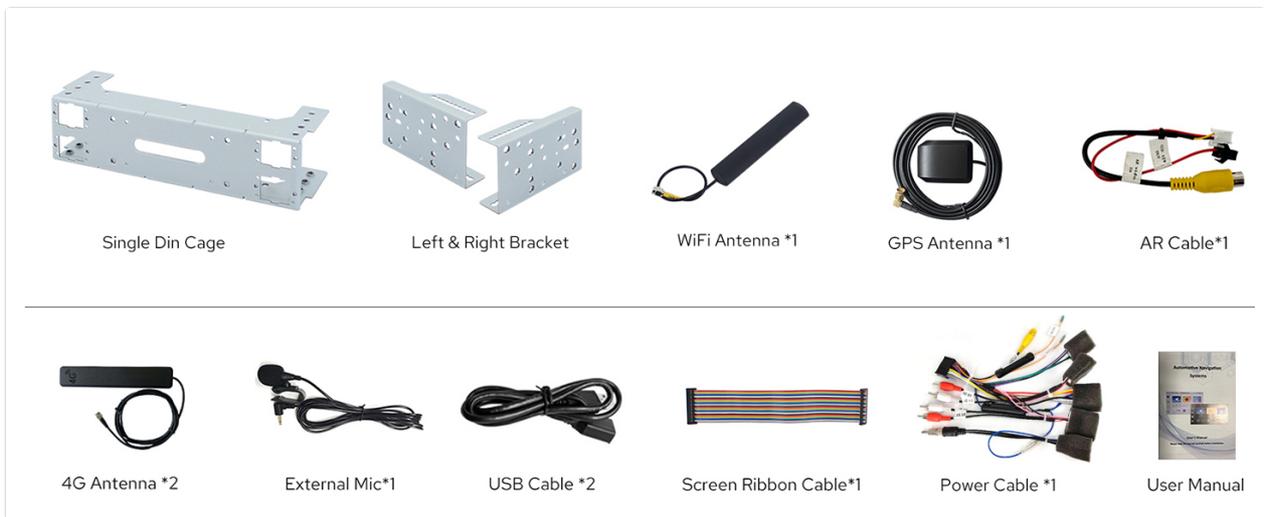


Figure 2.1: All included accessories for the JOYING JY-TT163N4 car stereo.

3. INSTALLATION GUIDE

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation.

3.1. Compatibility Check

This unit is designed for Toyota Corolla 2008-2013. Please verify your car's dashboard configuration to ensure compatibility, especially regarding JBL amplifier systems and screen sizes.

Purchase Guide

Please check below and choose the suitable option for your car when purchasing.

If you are not sure which option to choose, please send us your car brand, year, and dash picture, we will check for you.



For these car dashboards without factory JBL amplifier, pls choose **"A: without JBL"**



For these car dashboards with factory JBL amplifier, pls choose **"B: with JBL"**

Figure 3.1: Dashboard compatibility for models without factory JBL amplifier (Option A).



For these car dashboards with a big screen, pls choose **"C: with a big screen"**

Figure 3.2: Dashboard compatibility for models with a big screen (Option C).

3.2. Wiring Connections

Connect the provided cables to the corresponding ports on the car stereo and your vehicle's harness. Ensure all connections are secure.



9" For Toyota Corolla 08-13

- ✓ Factory USB
- ✓ Factory JBL Amplifier
- ✓ Factory Reverse Camera
- ✓ Factory Parking Sensor
- ✓ A/C Information Display
- ✓ Factory 360 Camera
- ✓ Factory Steering Wheel Control



Figure 3.3: Rear view of the car stereo with labeled connection ports.

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Video 3.1: This video demonstrates the general wiring operation for car stereo installation. It shows how to connect the power cable, RCA harness, USB adapter cables, radio antenna, and GPS antenna to the head unit.

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Video 3.2: This video illustrates the installation effect of a car stereo in a Toyota Corolla 2009-2013 model, providing a visual reference for the final appearance.

4. INITIAL SETUP

4.1. First Boot

Upon inserting the car key, the unit will start up and enter the user interface within 2 seconds (initial boot may take 30-40 seconds).

4.2. AC Settings

To adjust AC settings, including temperature units (Fahrenheit) and display options:

1. Navigate to the main home screen.
2. Tap on 'My Car'.
3. Select 'Setting'.
4. Choose 'AC setting'.
5. Toggle the 'Fahrenheit' option to your preference.
6. Ensure 'Display large Air' is enabled for full AC display.
7. Click 'Confirm' to save changes.

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Video 4.1: This video demonstrates how to access and adjust the AC settings on your car stereo, including switching between Celsius and Fahrenheit and enabling the large air display option.

5. OPERATING INSTRUCTIONS

5.1. CarPlay & Android Auto

Connect your mobile phone via USB cable or Bluetooth to share apps, navigation, make calls, and listen to music on the larger screen.

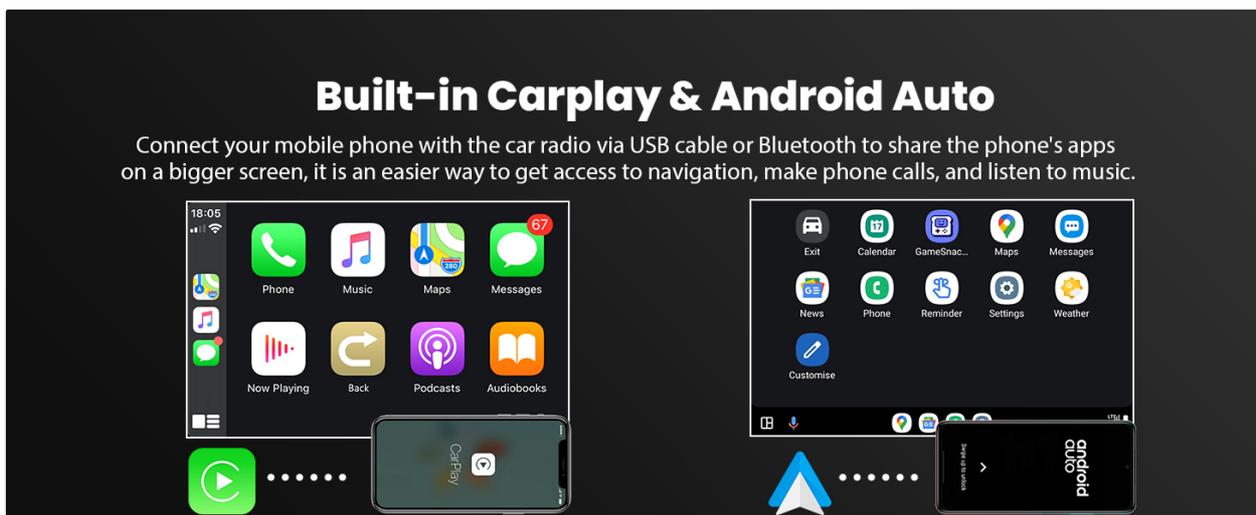


Figure 5.1: Built-in CarPlay and Android Auto interfaces.

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Video 5.1: This video demonstrates the main functions of the car stereo, including how to connect and use CarPlay, Android Auto, and Mirror Link features.

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Video 5.2: This video provides instructions on how to set up and use Wireless CarPlay and Android Auto with the car stereo.

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Video 5.3: This video guides users through the process of connecting their smartphone to the car stereo for CarPlay and Android Auto functionality.

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Video 5.4: This video demonstrates the steps to connect your device to the car stereo for CarPlay functionality.

5.2. Mirror Link

Mirror your smartphone screen directly onto the car stereo display for enhanced viewing of apps and content.

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Video 5.5: This short preview video demonstrates the wireless mirroring feature, showing a smartphone screen duplicated on the car stereo display.

5.3. GPS Navigation

The unit features precise GPS engines and includes GPS antennas for accurate positioning and faster real-time navigation. Offline maps are supported in areas where data download is available.

5.4. Bluetooth 5.0

Supports audio streaming, automatic phone book transfer, and hands-free calling. Note: It primarily supports phone and OBD dongle connections.

5.5. Media Playback

Enjoy music and videos from various sources. The unit supports split-screen multitasking, allowing you to run two applications simultaneously.

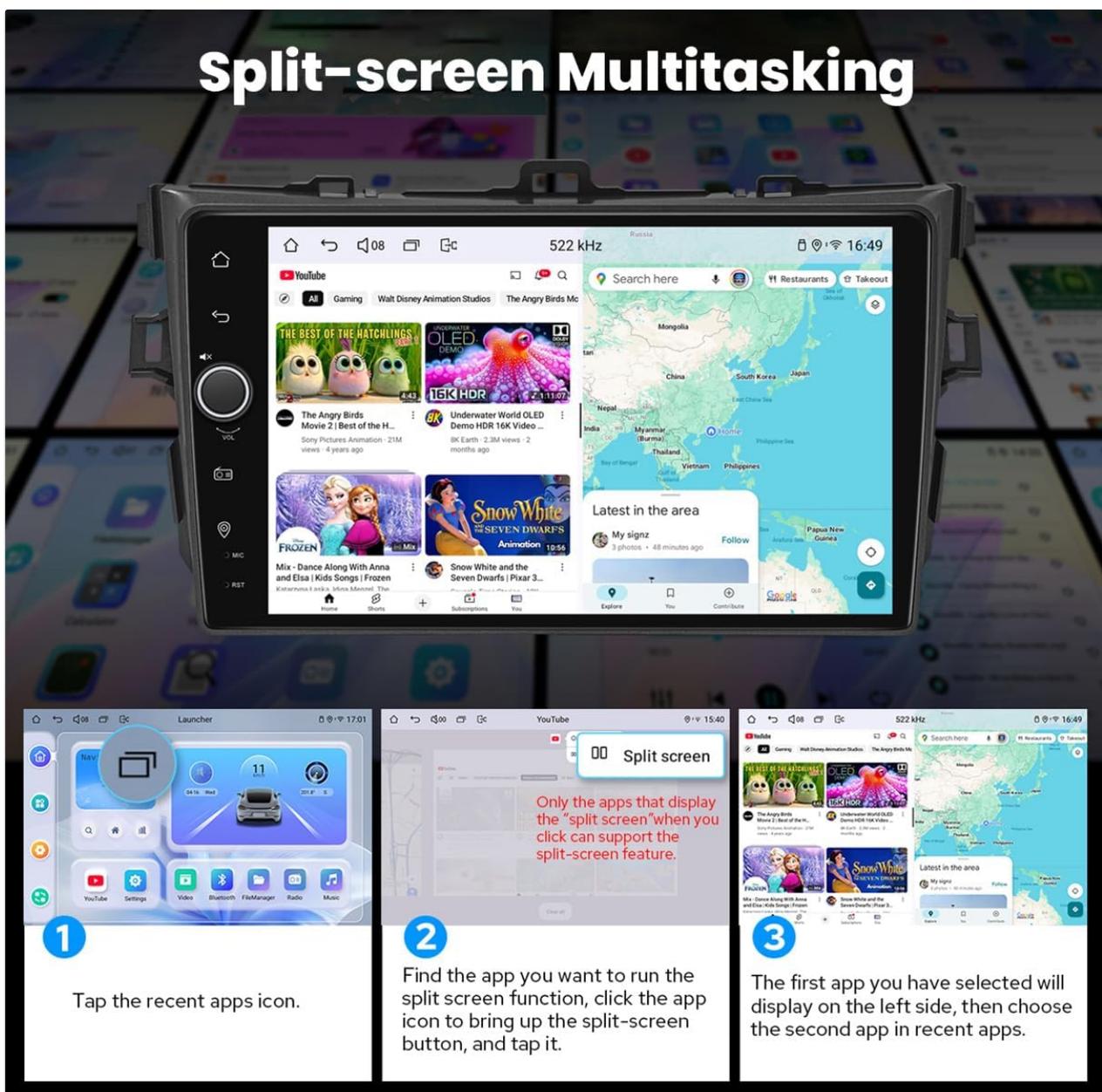


Figure 5.2: Split-screen multitasking interface.

5.6. Personalized Settings

Customize your stereo with various options including car boot logos, wallpapers, and changeable button colors.

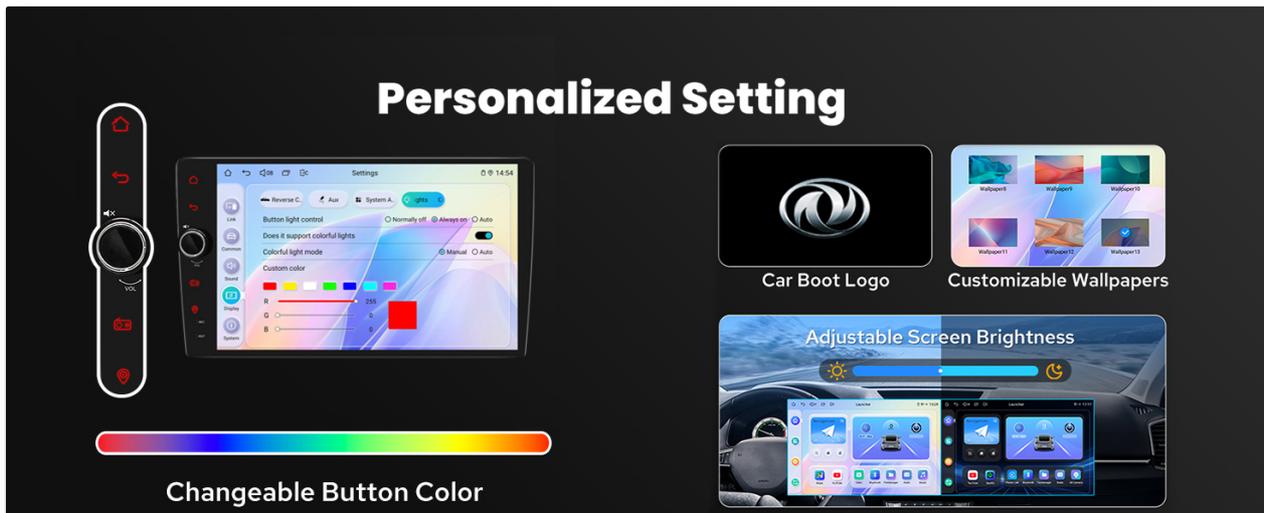


Figure 5.3: Personalized settings options.

5.7. Sound Enjoyment

Equipped with a TDA7851 DSP chip, a 48-Band Graphic Equalizer, and 4x50W Max Output Power. Supports aftermarket amplifiers with 4 Audio Outputs, 1 SUB Output, Fiber Optical Output, SPDIF Coaxial Output, and Center Channel Output.

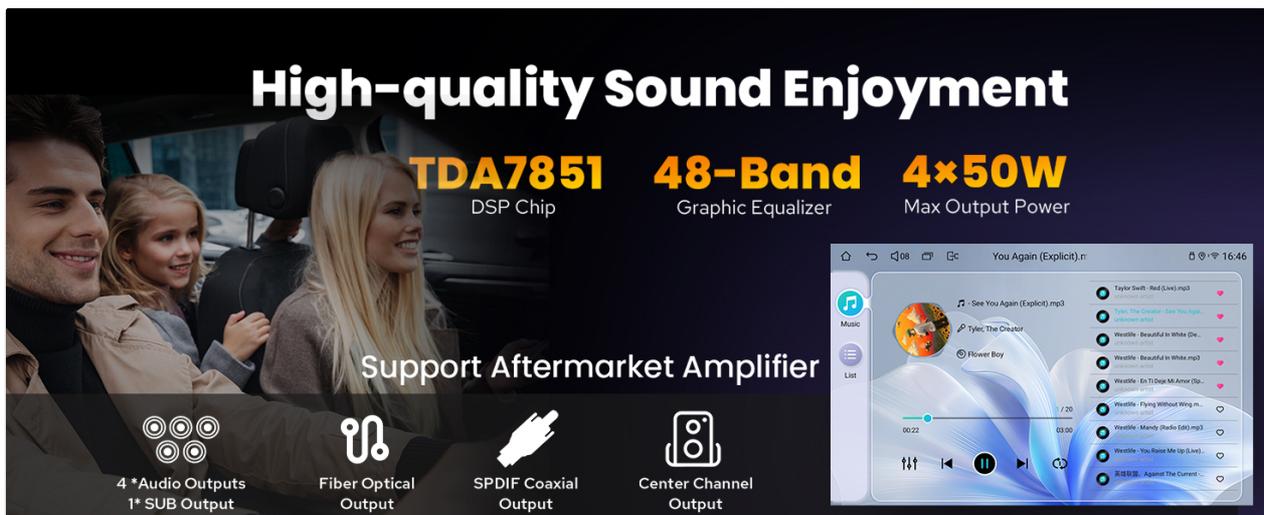


Figure 5.4: High-quality sound features.

5.8. Built-in 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 and TDD-LTE: B41. Does not support phone calls or SMS.

5.9. HDMI Output

Provides full digital image and sound output for external displays like headrest monitors, offering 1080P clear picture without stuttering. 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.



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 5.5: HDMI Output functionality.

5.10. Other Features

Includes Picture-in-Picture, 3 USB Ports, Micro SD Card Slot, and 4G SIM Card Slot.

Other Features

 Fast Boot	 GPS Navigation	 AM/FM Radio	 Hands-free Call
 Picture-in-Picture	 3 USB Ports	 Micro SD Card Slot	 4G SIM Card Slot

Figure 5.6: Overview of additional features.

6. MAINTENANCE

6.1. Cleaning the Screen

Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.

6.2. Cooling System

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

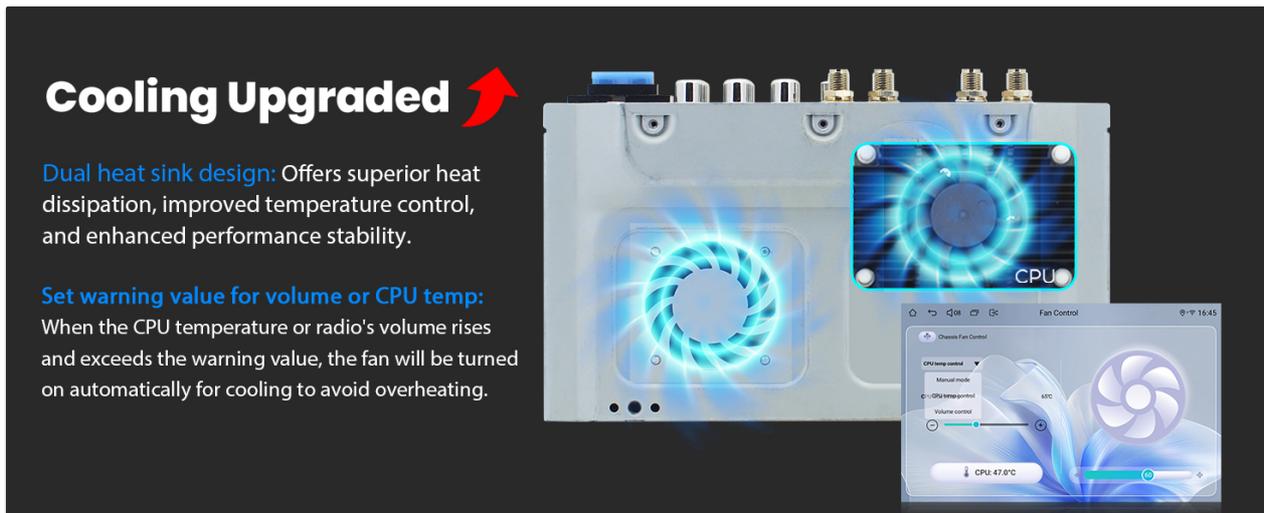


Figure 6.1: Cooling system features.

6.3. WiFi Signal

An independent WiFi antenna ensures stable signal quality and provides fast and smooth internet access, supporting 802.11a/b/g/n/AC standards across 2.4GHz/5GHz spectral bands.



Figure 6.2: WiFi signal features.

7. TROUBLESHOOTING

If you encounter any issues, please refer to the following general troubleshooting steps:

- **No Power:** Check all power connections and fuses. Ensure the ignition is on.

- **No Sound:** Verify speaker connections, volume levels, and audio output settings.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on both the stereo and your device. Try unpairing and re-pairing the devices.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, contact support.

For more specific issues, consult the detailed troubleshooting section in the full user manual or contact JOYING customer support.

8. SPECIFICATIONS

Feature	Specification
Item Model Number	JY-TT163N4
Display Size	9 Inches
Screen Size	9 Inches
Touch Screen Type	Capacitive
Operating System	Android, iOS (via CarPlay/Android Auto)
Memory Storage Capacity	64 GB
Connectivity Technology	Bluetooth, Ethernet, USB, Wi-Fi
Special Feature	Bluetooth, Touchscreen
Audio Output Mode	Stereo
Map Type	North America
Manufacturer	JOYING

9. WARRANTY & SUPPORT

9.1. Warranty Information

This JOYING car stereo comes with a **2-Year Warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact JOYING customer support through the retailer where the product was purchased or visit the official JOYING website for contact information.

