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Fortdows 4 Core 2G RAM+64G ROM

Fortdows Car Radio User Manual

For Nissan Sentra 2013-2017 (Model: 4 Core 2G RAM+64G ROM)

Brand: Fortdows

1. Product Overview

This Fortdows car stereo radio is specifically designed for Nissan Sentra models from 2013 to 2017. It features an upgraded Android 12 system, a 10.1-inch 1280x800 HD IPS touchscreen, and supports a wide range of functionalities including Wireless Carplay, Android Auto, GPS navigation, 5G WiFi, Bluetooth, and FM radio. The unit is equipped with a 4-core processor, 2GB RAM, and 64GB of internal storage for smooth operation and ample space for applications and media.



Figure 1.1: The Fortdows car radio unit shown with included accessories such as the backup camera, external microphone, and icons representing Carplay and Android Auto functionality.

2. Package Contents

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

- Fortdows Car Stereo Head Unit (10.1-inch)
- 1080P AHD Backup Camera
- Power Cable
- Adapter
- External Microphone
- USB Cables (x2)
- GPS Antenna
- RCA Cable
- CanBus Decoder
- Crowbar (for installation)
- Sleeve Case
- Screen Protector



Figure 2.1: Visual representation of the accessory wire kit items and the main head unit included in the package.

3. Setup and Installation

Installation of the Fortdows car radio requires basic automotive electrical knowledge. It is recommended to have the unit installed by a professional if you are unfamiliar with car stereo wiring. Ensure the vehicle's battery is disconnected before beginning installation.

3.1 Vehicle Compatibility

This unit is designed for Nissan Sentra models from 2013 to 2017. If you are unsure about compatibility, please consult the manufacturer with a picture of your car's original radio.

3.2 General Installation Steps

1. **Remove Original Unit:** Carefully remove the existing car radio and dashboard trim using the provided crowbar.
2. **Connect Wiring Harnesses:** Connect the power cable, adapter, and other necessary wiring harnesses (including CanBus if applicable) to the new head unit and the vehicle's wiring. Ensure all connections are secure.
3. **Install GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
4. **Install External Microphone:** Connect and position the external microphone for optimal voice pickup during calls.
5. **Install Backup Camera:** Route the backup camera cable from the rear of the vehicle to the head unit. Connect the camera's power to the reverse light circuit and the video signal to the head unit's camera input.
6. **Test Functionality:** Before fully reassembling the dashboard, reconnect the car battery and test all functions of the new radio, including power, audio, touchscreen, Carplay/Android Auto, GPS, and backup camera.
7. **Secure Unit:** Once all functions are verified, secure the head unit in the dashboard and reattach the trim panels.



Figure 3.1: Comparison showing the original Nissan Sentra dashboard (Before) and the dashboard with the Fortdows car radio installed (After).

4. Key Features and Functions

4.1 High-Definition IPS Touchscreen

The unit features a 10.1-inch 2.5D IPS touchscreen with a resolution of 1280x800 pixels. This display provides clear

images, vivid colors, and a wide viewing angle for an enhanced user experience.



Figure 4.1: Visual comparison highlighting the superior clarity and color saturation of the 1280x800P IPS touchscreen.

4.2 Performance and Operating System

Powered by an upgraded Android 12 system, the car radio includes a 4-core processor, 2GB of RAM, and 64GB of internal storage. This configuration ensures faster app loading, smoother navigation, and efficient multitasking.

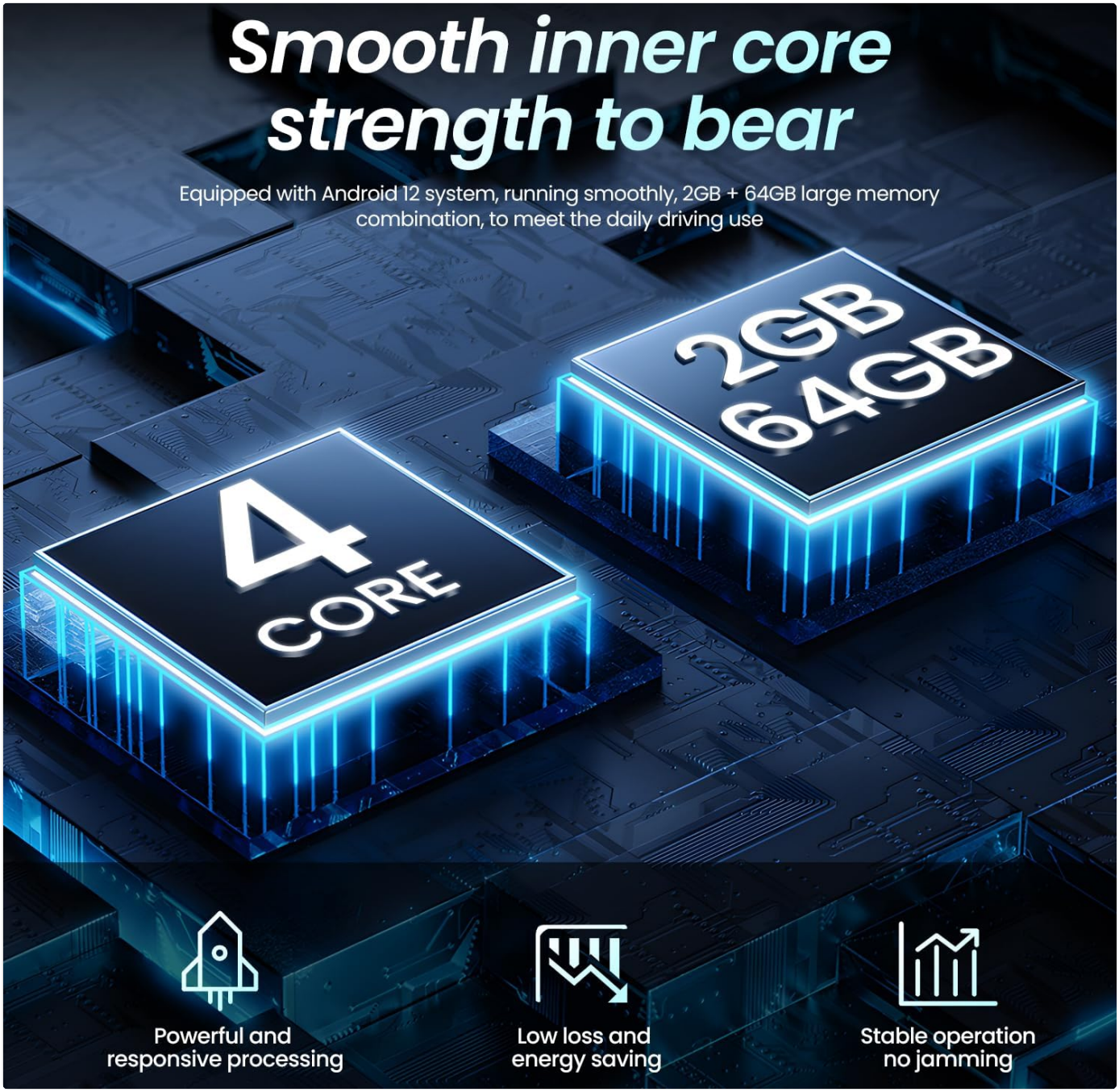


Figure 4.2: Diagram showcasing the internal components: 4-core processor, 2GB RAM, and 64GB ROM, emphasizing powerful and responsive processing.

4.3 Wireless Carplay & Android Auto

The unit supports both wireless and wired Carplay and Android Auto. This allows seamless integration with your smartphone, enabling access to navigation, music, calls, and messages directly from the car's display.



Figure 4.3: The car radio displaying the Apple Carplay interface within a Nissan Sentra dashboard, illustrating intelligent interconnection.

4.4 Mirror Link Function

Mirror Link allows you to synchronize your phone's screen content to the car radio display via a USB connection or Wi-Fi, enabling you to view videos, photos, and other applications.

4.5 5G WiFi and Bluetooth 5.0

Integrated 5G WiFi provides fast internet speeds for streaming and app downloads. Bluetooth 5.0 ensures stable and reliable audio streaming and hands-free calling.



Figure 4.4: The car radio screen showing the app store interface, emphasizing the 5G WiFi function for improved network performance.

4.6 Built-in GPS Navigation

The unit includes built-in GPS navigation with support for online and offline map applications, providing accurate directions and real-time traffic updates. Map types for North America and South America are supported.

4.7 Steering Wheel Control (SWC)

The system supports existing steering wheel controls, allowing you to manage music playback, answer calls, and navigate

menus without taking your hands off the wheel.



Figure 4.5: The car radio display showing various control icons, indicating compatibility with steering wheel controls for safe operation.

4.8 1080P AHD Backup Camera

An included 1080P AHD rear view camera features a waterproof design, excellent night vision, and a 170° ultra-wide field of view. The camera image automatically displays on the touchscreen when the vehicle is in reverse.

4.9 EQ and FM Radio

The unit offers multiple preset EQ settings to customize your audio experience. The FM radio provides access to local broadcasts, weather forecasts, and real-time road conditions.

5. Operating Instructions

5.1 Using Wireless Carplay / Android Auto

1. Ensure your phone's Bluetooth is enabled.
2. On the car radio, navigate to the Carplay or Android Auto application.
3. Follow the on-screen prompts to pair your phone via Bluetooth.
4. Once paired, Carplay or Android Auto will launch automatically, mirroring your phone's compatible apps to the car radio screen.
5. For wired connection, connect your phone via a USB cable to the designated USB port on the car radio.

5.2 Mirror Link Function

1. Access the 'Mirror Link' application on the car radio.
2. Connect your smartphone to the car radio via USB or ensure both devices are connected to the same Wi-Fi network.
3. Follow the instructions on the car radio screen to establish the mirror link connection.

5.3 Steering Wheel Control Setup

After installation, you may need to configure the steering wheel controls through the system settings. Refer to the 'Settings' menu on the head unit, usually under 'SWC' or 'Steering Wheel Learning', to map your vehicle's steering wheel buttons to the corresponding functions on the radio.

5.4 GPS Navigation

To use GPS navigation, ensure the GPS antenna is properly installed. Open the pre-installed navigation app or download your preferred app from the app store. For offline maps, download the necessary map data when connected to Wi-Fi.

5.5 FM Radio Operation

Access the 'FM Radio' application. Use the touchscreen controls to scan for stations, save presets, and adjust volume. The unit supports automatic and manual tuning.

5.6 Audio Equalizer Settings

Navigate to the 'EQ' or 'Sound Settings' menu. Here you can select from various preset equalizer modes (e.g., Pop, Rock, Jazz) or manually adjust bass, treble, and other audio parameters to suit your preferences.

5.7 WiFi Connection

To connect to a Wi-Fi network, go to 'Settings' > 'Network & Internet' > 'Wi-Fi'. Select your desired network and enter the password if required. This enables internet access for apps, updates, and online navigation.

6. Maintenance

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

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for system software updates through the unit's settings menu to ensure you

have the latest features and security patches.

- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for prolonged periods, as this can affect its electronic components.
- **Cable Connections:** Ensure all cables are securely connected and free from damage. Loose connections can lead to intermittent functionality.
- **Backup Camera Lens:** Keep the backup camera lens clean and free from dirt, mud, or snow to maintain clear visibility.

7. Troubleshooting

If you encounter issues with your car radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, vehicle battery issue	Check power cable connections. Inspect vehicle fuses. Ensure car battery is charged.
No sound output	Volume too low, mute activated, speaker wiring issue, incorrect audio source	Increase volume. Check if mute is active. Verify speaker wiring. Select correct audio source.
Carplay/Android Auto disconnects frequently	Unstable Bluetooth/WiFi connection, software glitch, phone compatibility	Ensure strong signal. Restart the car radio unit (swipe down from top of screen and select restart). Update phone OS. Try wired connection.
Backup camera not displaying image	Incorrect wiring, faulty camera, reverse signal not detected	Check camera power and video signal connections. Ensure reverse light trigger wire is correctly connected.
GPS signal weak or inaccurate	GPS antenna obstruction, faulty antenna, software issue	Ensure GPS antenna has a clear view of the sky. Check antenna connection. Restart unit.
Touchscreen unresponsive	Software freeze, physical damage, dirt on screen	Restart the unit. Clean the screen. If issue persists, contact support.

If the problem persists after attempting these solutions, please contact customer support.

8. Specifications

Feature	Detail
Model	4 Core 2G RAM+64G ROM
Operating System	Android 12
Processor	4-Core
RAM	2GB

Feature	Detail
Internal Storage	64GB
Display Size	10.1 Inches
Display Resolution	1280x800 HD IPS
Connectivity Technology	Bluetooth 5.0, USB, Wi-Fi (5G)
Special Features	Touchscreen, Waterproof (Backup Camera)
Vehicle Service Type	Nissan Sentra 2013-2017
Map Type Support	North America, South America
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	4.29 pounds
Package Dimensions	13.82 x 8.9 x 5.39 inches

9. Warranty and Customer Support

9.1 Warranty Information

This Fortdows car radio comes with a**1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use.

9.2 Return Policy

A **7-Day Return Policy** is available for products with defects. Please contact customer support within 7 days of receiving the product if you encounter any defects.

9.3 Customer Support

For technical assistance, warranty claims, or any other inquiries, please contact Fortdows customer support:

Email: fortdows.cam@gmail.com

Website: www.fancygod.com



Figure 9.1: Overview of warranty and service details provided by Fortdows.

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