

Fortdows 4+32GB Car Radio

Fortdows 4+32GB Car Radio Instruction Manual

Model: 4+32GB Car Radio | Brand: Fortdows

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Fortdows 4+32GB Car Radio. This head unit features a 10.1-inch HD touchscreen, Android 12 operating system, wireless CarPlay/Android Auto, Bluetooth, GPS, FM radio, DSP sound processing, and support for steering wheel controls and backup cameras. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. SAFETY INFORMATION

- Always operate the device responsibly and in accordance with local traffic laws. Distracted driving can lead to accidents.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits and electrical hazards.
- Do not attempt to disassemble or modify the unit. This may void the warranty and cause damage.
- Keep the screen clean and free from obstructions to maintain clear visibility.
- If you encounter any issues, refer to the troubleshooting section or contact customer support.

3. PACKAGE CONTENTS

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

- Fortdows Car Stereo Radio x1
- Canbus x1
- External Microphone x1
- GPS Antenna x1
- Crowbar x1
- Power Cable x1
- Backup Camera x1
- RCA Cable x1
- USB Cable x2
- Instruction Manual x1
- Antenna Adapter Cable (if applicable)



Figure 3.1: Illustration of the Fortdows Car Radio and its included accessories, such as the camera, external microphone, USB cables, CANBUS, crowbar, power cable, backup camera, RCA cable, and GPS module.

4. SETUP AND INSTALLATION

This head unit is designed for specific Jeep and Dodge models, offering a plug-and-play installation with the factory power harness. Professional installation is recommended.

4.1 Applicable Car Models

- Jeep Wrangler 2007-2018
- Jeep Compass 2009-2016
- Jeep Patriot 2009-2016
- Jeep Grand Cherokee 2005-2011
- Jeep Liberty 2008-2011
- Jeep Commander 2008-2011
- Chrysler Sebring 2007-2010

- Town&Country 2007-2010
- Dodge Grand Caravan 2011-2014
- Dodge Charger 2008-2010
- Dodge Ram Pickup 1500/2500/3500 2009-2012

4.2 Installation Steps (General)

1. **Preparation:** Disconnect the vehicle's battery to prevent electrical shorts.
2. **Remove Old Unit:** Carefully remove the existing car radio using the provided crowbar or appropriate tools.
3. **Connect Wiring:** Connect the new head unit's power harness to the vehicle's factory wiring. Ensure proper connection for CANBUS, GPS antenna, external microphone, USB cables, RCA cables, and backup camera. Note that vehicles with an amplifier (e.g., Alpine or Infinity system) may require a specific 4-pin power harness, while others use an 8-pin harness.
4. **Test Functionality:** Before fully securing the unit, reconnect the battery and test basic functions like power, sound, and screen display.
5. **Secure Unit:** Mount the new head unit securely into the dashboard opening.
6. **Final Assembly:** Reassemble any removed trim pieces.



Figure 4.1: Visual comparison of a car dashboard before and after the installation of the Fortdows car radio, highlighting the integrated appearance.



Figure 4.2: Diagram showing the two types of power cables (8-pin for cars without an amplifier and 4-pin for cars with an amplifier like Alpine or Infinity systems) included with the Fortdows car radio.

5. OPERATING INSTRUCTIONS

5.1 Wireless CarPlay & Android Auto

The head unit supports both wireless and wired CarPlay and Android Auto. This feature allows seamless integration with your smartphone for navigation, calls, messages, and music playback via voice control or the touchscreen.

- **Connection:** Connect your iPhone or Android phone via Bluetooth and/or Wi-Fi as prompted by the unit.
- **Voice Control:** Use voice commands (e.g., "Hey Siri" or "OK Google") to control phone functions without taking your hands off the wheel.
- **Features:** Access GPS navigation, make calls, send messages, and play music directly from your phone's interface displayed on the car radio screen.



Figure 5.1: The Fortdows car radio display showing the integrated Wireless Apple CarPlay and Android Auto interface, demonstrating voice control capabilities for navigation, music, and calls.

5.2 Android 12 System & HD Touchscreen

The unit operates on Android 12, providing a familiar and intuitive user experience. The 10.1-inch 1280*800 IPS touchscreen offers high fluency, clear visuals, and vivid colors.

- **Navigation:** Swipe and tap gestures are used for navigating menus and applications.
- **App Installation:** Download and install additional applications from the Google Play Store.
- **Performance:** The 4GB RAM and 8-core processor ensure smooth operation, while 32GB ROM provides ample storage for apps and media.

HD 10 inch IPS Touchscreen

FORTDOWS screen capacitive high-definition with sharper colors and better touch sensitivity

10 Inch Screen

HD Screen

LED Screen

1280*800
High-Definition screen

•1280*720P
Other screens

•1024*600P
Other screens

Figure 5.2: A visual representation highlighting the 10-inch HD IPS touchscreen of the Fortdows car radio, emphasizing its 1280x800 resolution and superior clarity compared to other screens.

5.3 FM Radio & DSP Sound

Enjoy high-quality audio with the built-in FM radio and Digital Signal Processing (DSP) technology.

- **FM Radio:** Access the FM radio function to search for stations automatically or semi-automatically (frequency range 87.5-108MHz).
- **DSP Sound:** The DSP feature allows for advanced audio customization, including equalizer settings, sound field adjustments, and bass/subwoofer controls. You can adjust the position of the voice point according to the seat for an optimized listening experience.
- **Splitscreen Audio:** The system's ability to split sound channels allows for customized audio output in different vehicle areas.



Figure 5.3: The Fortdows car radio display showing the Professional DSP interface, allowing users to adjust sound settings like EQ, sound field, stereo sound enhancement, bass, and sound filters for a customized audio experience.



Figure 5.4: The Fortdows car radio display showing the Bluetooth calling interface and the FM Radio interface, demonstrating hands-free communication and digital radio tuning.

5.4 GPS Navigation & WiFi Function

Navigate with ease using the built-in GPS and stay connected with Wi-Fi.

- **GPS Navigation:** The unit comes with an offline map pre-installed. You can also download preferred navigation apps from the Google Play Store for online navigation.
- **WiFi Connectivity:** Connect to a Wi-Fi network or use your mobile phone's hotspot to access online content, stream music/videos, browse the internet, and download apps.



Figure 5.5: The Fortdows car radio display illustrating the WiFi function for downloading apps and the GPS navigation interface with a map view.

5.5 Steering Wheel Control (SWC) & Backup Camera

Enhance driving safety and convenience with integrated SWC and backup camera support.

- **SWC:** Program your vehicle's steering wheel buttons to control the head unit's functions (e.g., volume, track skip, answer/end calls) without diverting attention from the road.
- **Backup Camera:** The unit automatically displays the rear view when the vehicle is put into reverse, providing a clear view and enhancing safety during parking maneuvers.

5.6 Bluetooth & Splitscreen Function

Stay connected and multitask efficiently.

- **Bluetooth:** Pair your smartphone via Bluetooth for hands-free calling and audio streaming. Access your phone's contacts directly from the head unit.
- **Splitscreen:** Utilize the splitscreen feature to run two applications simultaneously, such as navigation on one side and

music playback on the other, for improved efficiency.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your car radio.

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner to wipe the touchscreen. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for and install software updates to ensure the system runs efficiently and has the latest features and security patches. Updates can typically be found through the system settings or the manufacturer's website.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

7. TROUBLESHOOTING

If you encounter issues, 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 all power cable connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound from speakers.	Incorrect speaker wiring, volume too low, mute activated, DSP settings.	Verify speaker connections. Increase volume. Check if mute is active. Adjust DSP settings.
GPS signal lost or inaccurate.	GPS antenna not properly installed or obstructed, outdated maps.	Ensure GPS antenna has a clear view of the sky. Update map data if necessary.
Bluetooth connection issues.	Device not in pairing mode, interference, incorrect pairing process.	Ensure both devices are in pairing mode. Delete previous pairings and try again. Move closer to the unit.
Touchscreen unresponsive.	System freeze, dirty screen, software glitch.	Restart the unit (if possible). Clean the screen. If persistent, perform a factory reset (data loss may occur).

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

8. SPECIFICATIONS

Key technical specifications for the Fortdows 4+32GB Car Radio:

- **Brand:** Fortdows
- **Vehicle Service Type:** Car
- **Screen Size:** 10.1 Inches
- **Resolution:** 1280 x 800 (HD Display)
- **Operating System:** Android 12
- **Processor:** 8-core
- **RAM:** 4GB
- **ROM:** 32GB

- **Special Features:** CarPlay & Android Auto, Touchscreen, DSP Sound
- **Connectivity Technology:** Bluetooth, USB, Wi-Fi
- **Map Type:** North America (built-in offline map)
- **Audio Output Mode:** Stereo
- **Mounting Type:** Dashboard Mount

9. WARRANTY INFORMATION

For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Fortdows website. Keep your proof of purchase for warranty claims.

10. SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Fortdows customer support through their official website or the contact information provided with your purchase documentation.

