litillbuly 2G+32G

litillbuly Car Radio Stereo Instruction Manual

Model: 2G+32G for Ford F-150 (2009-2012)

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your litillbuly 9-inch Android 13 Car Radio Stereo. This head unit is specifically designed for Ford F-150 models from 2009 to 2012, offering advanced features such as wireless CarPlay, Android Auto, GPS navigation, and multimedia capabilities. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Image: litillbuly 9-inch Android 13 Car Radio Stereo with included backup camera and smartphone displaying CarPlay and Android Auto logos.

Product Overview

The litillbuly Car Radio Stereo is an advanced infotainment system designed to upgrade your vehicle's capabilities. Key features include:

- **Android 13 Operating System:** Features a 9-inch HD touch screen with 2GB RAM and 32GB ROM for responsive performance and ample storage.
- **Wireless CarPlay & Android Auto:** Seamlessly integrate your iPhone or Android smartphone for navigation, calls, messages, and music.
- **Bluetooth Hands-Free Calling:** Supports all Android and iOS phones for safe, hands-free communication.
- **Steering Wheel Control (SWC) Support:** Retain control over volume, track changes, and calls directly from your steering wheel.
- **GPS Navigation:** Pre-installed North American maps with support for online map applications.

- **Multimedia Playback:** High-quality digital stereo FM tuner, customizable EQ settings, and support for various audio and video formats.
- **Reversing Assistance:** Connects to a rear camera (included) for enhanced safety during parking and reversing.
- **Mirror Link Functionality:** Display your smartphone screen directly on the head unit.
- **WiFi/WLAN Connectivity:** Access online content and download applications.

Package Contents

Verify that all components are present in the package:

- 9-inch Android Head Unit
- Dashboard Frame for Ford F-150 (2009-2012)
- USB Cable (x2)
- Speaker
- Microphone
- GPS Module
- RCA Cable
- Power Cable
- Rear Camera
- CAN Bus Decoder
- Screwdriver
- Crowbar (Pry Tool)
- Reversing Line Cable
- Antenna
- Antenna Adapter Cable

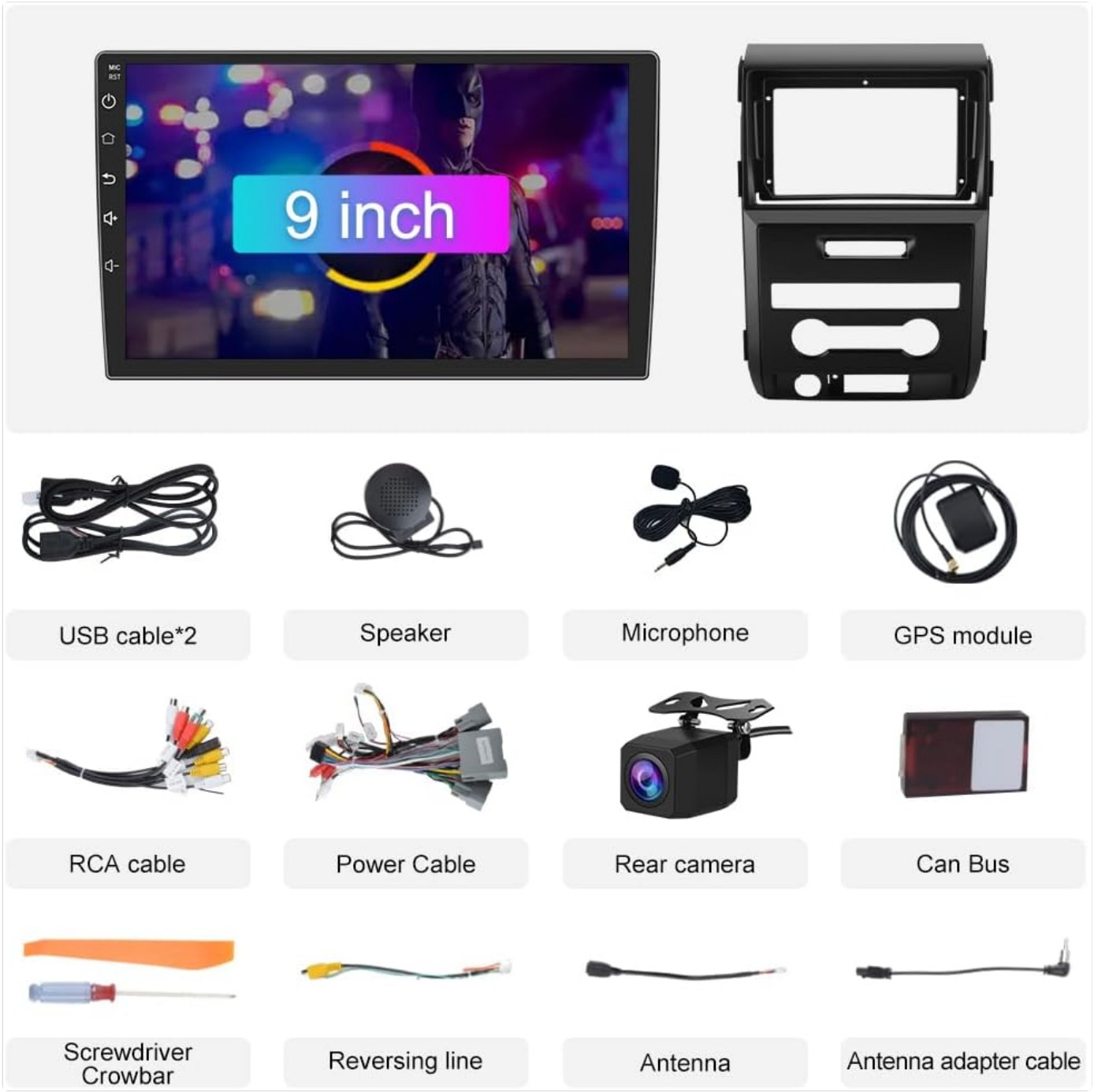


Image: All included components for the litillbuly car radio stereo.

Compatibility

This head unit is designed for Ford F-150 vehicles manufactured between 2009 and 2012. Please ensure your vehicle's dashboard matches the compatible configuration shown below. Some F-150 models may have incompatible dashboard layouts.



Image: The litillbuly head unit installed in a compatible Ford F-150 dashboard.

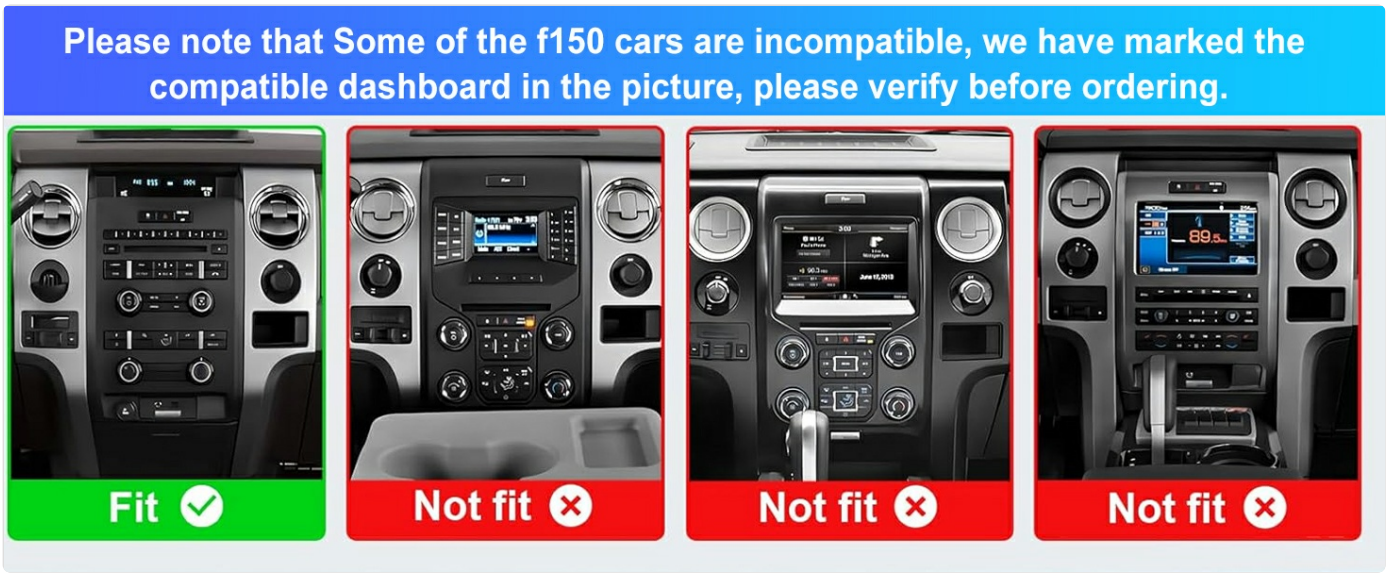


Image: Dashboard compatibility guide for Ford F-150 models.

Setup and Installation

Installation of the car radio stereo requires basic knowledge of automotive electronics. If you are not comfortable with wiring or car electronics, professional installation is recommended.

General Installation Steps:

1. **Disconnect Battery:** Before starting, disconnect the vehicle's negative battery terminal to prevent electrical shorts.
2. **Remove Old Head Unit:** Carefully remove the existing car radio and dashboard trim using the provided crowbar and screwdriver.
3. **Connect Wiring Harness:** Connect the new power cable and RCA cables to the vehicle's existing wiring harness. Refer to the wiring diagram for correct connections.
4. **Connect Peripherals:**
    - **GPS Antenna:** Connect the GPS module and position the antenna in a location with a clear view of the sky (e.g., on the dashboard).
    - **Microphone:** Connect the external microphone for improved call quality.
    - **USB Cables:** Connect the USB cables for external device connectivity.
    - **CAN Bus:** Connect the CAN Bus decoder if your vehicle requires it for steering wheel controls or other integrated

functions.

5. **Backup Camera Connection:**
    - Connect the black cable of the rear camera to the vehicle's ground ("GND").
    - Connect the red cable of the rear camera to the backup light's positive terminal ("+").
    - Connect the reversing line cable to the "3" pin on the power harness (reverse cable).
    - Connect the camera's video output to the head unit's camera input.
6. **Test Connections:** Before fully reassembling, reconnect the battery and power on the unit to test all functions (audio, touch screen, GPS, Bluetooth, camera, SWC).
7. **Secure Head Unit:** Mount the new head unit and reassemble the dashboard trim.

Wiring Diagrams:



Image: Main wiring diagram for the head unit.



Image: Aftermarket backup camera connection diagram.



Image: Appearance of the head unit after installation.

Operating Instructions

1. Wireless CarPlay & Android Auto

Connect your iPhone or Android phone wirelessly via Bluetooth to access CarPlay or Android Auto. This allows you to use your phone's features safely through the head unit's display. Use voice commands or the touch screen for navigation, making calls, sending messages, and playing music.



Image: Wireless CarPlay and Android Auto interface.

2. Bluetooth Hands-Free and Steering Wheel Controls (SWC)

Pair your mobile phone via Bluetooth for hands-free calling. The system supports all Android and iOS phones. Utilize your vehicle's existing steering wheel controls to manage calls, adjust volume, and change tracks. An external microphone can be connected for enhanced voice clarity during calls.



Image: Steering Wheel Control (SWC) configuration screen.



Image: Bluetooth hands-free calling interface.

3. GPS Navigation

The unit comes with pre-installed North American maps for offline navigation. Connect the GPS antenna for accurate positioning. You can also download and use online map applications from the app store for real-time traffic information.



Image: GPS navigation display.

4. Multimedia Playback

Enjoy various media options including a high-quality digital stereo FM tuner. Customize your audio experience with built-in EQ settings (Jazz, Rock, Pop, Classic, etc.). The system supports both offline media playback and online streaming via Wi-Fi.

5. Split Screen Operation

Utilize the split-screen feature to run two applications simultaneously, such as navigation and music playback, for enhanced multitasking.



Image: Split screen operation displaying navigation and media.

6. Reversing Assistance (Backup Camera)

When the vehicle is shifted into reverse, the display will automatically switch to the rear camera view, providing visual assistance for parking and maneuvering. Ensure the camera is correctly installed and wired.

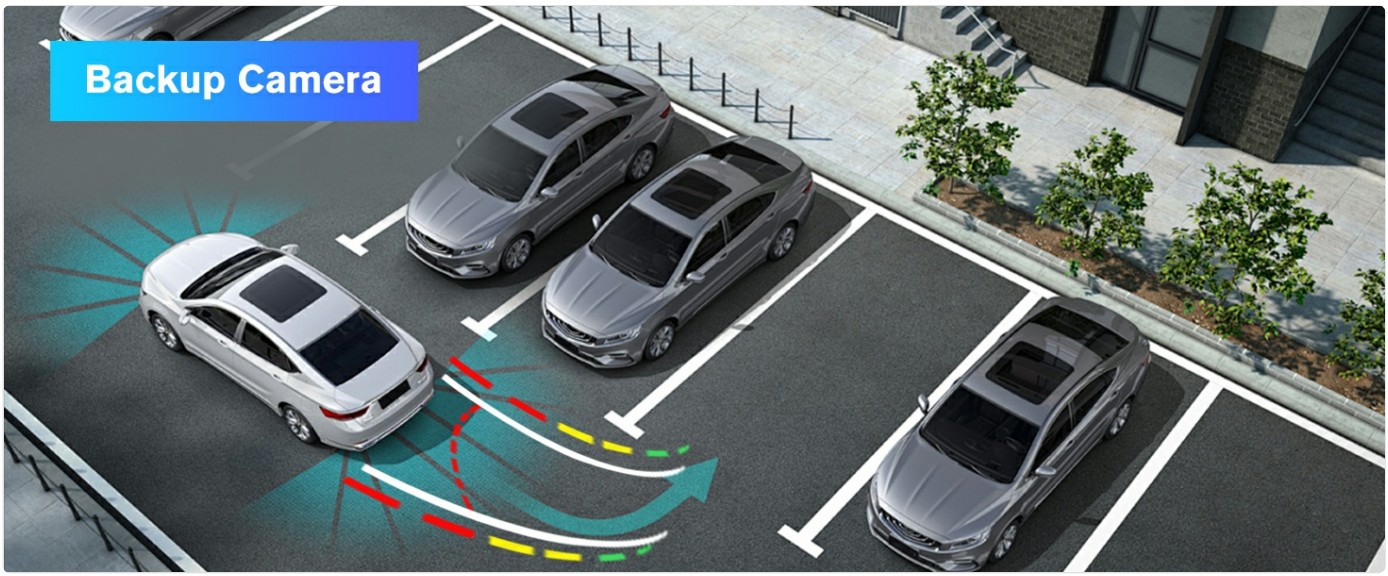


Image: Backup camera view with parking guidelines.

7. Mirror Link

The Mirror Link feature allows you to project your smartphone's screen onto the head unit's display, compatible with both Android and iOS devices.

8. WiFi/WLAN Internet

Connect the head unit to a Wi-Fi hotspot to access the internet. This enables downloading apps like YouTube and Gmail, browsing, and online media streaming.

Maintenance

To ensure the longevity and optimal performance of your litillbuly Car Radio Stereo, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. Avoid abrasive cleaners or harsh chemicals that could damage the display.
- **Software Updates:** Periodically check for and install available firmware updates to ensure the system runs efficiently and has the latest features and security patches.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Ensure all cables are securely connected and free from damage. Loose connections can lead to intermittent issues.

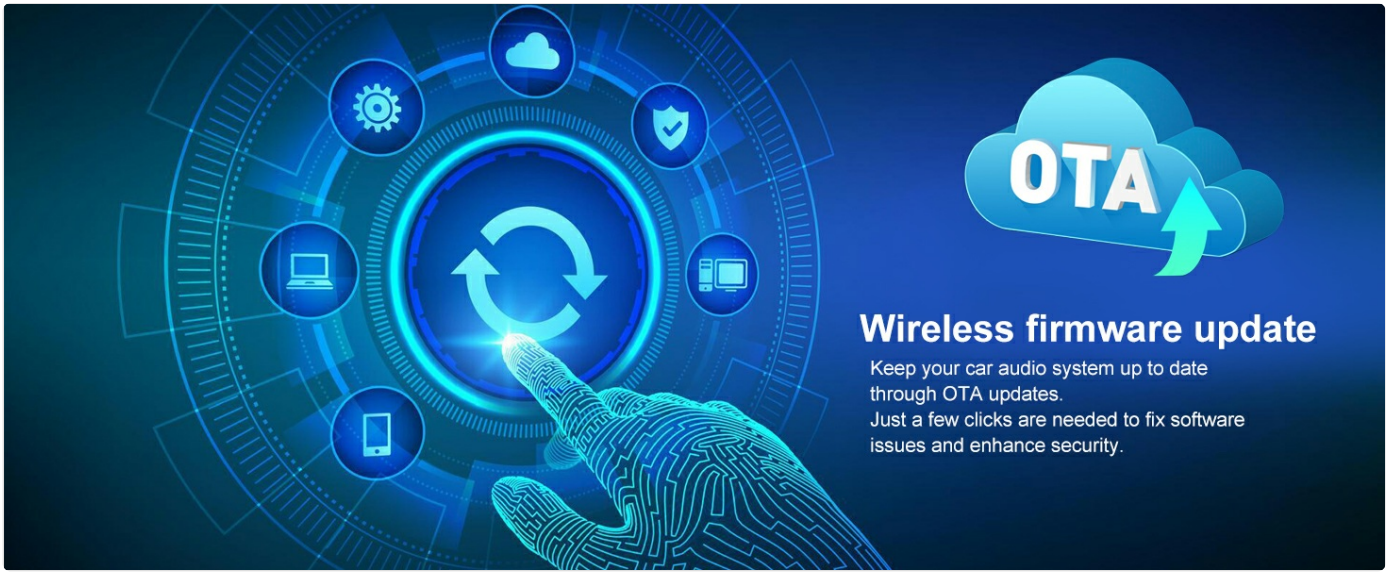


Image: Wireless firmware update (OTA) process.

Troubleshooting

Refer to the following common issues and solutions:

Issue	Possible Cause / Solution
Unit does not power on.	Check power cable connections and vehicle's fuse box. Ensure battery is connected.
No sound from speakers.	Verify speaker wiring. Check volume settings and mute status. Ensure correct audio source is selected.
Steering Wheel Controls not working.	Ensure CAN Bus is correctly connected. Access the SWC learning function in settings to configure buttons.
Backup camera not displaying.	Check camera power and video signal connections. Ensure the reverse trigger wire is correctly connected to the vehicle's reverse light.
GPS signal is weak or inaccurate.	Ensure the GPS antenna is connected and placed in a location with an unobstructed view of the sky.
Bluetooth connection issues.	Ensure Bluetooth is enabled on both the head unit and your phone. Delete previous pairings and re-pair. Check for firmware updates.
System is slow or lags.	Close unnecessary background applications. Clear cache. While 2GB RAM is entry-level, heavy multitasking may cause slight delays. Consider a factory reset if persistent.
No Sirius XM radio.	This unit does not natively support Sirius XM satellite radio.

Specifications

Model Name	Car Radio Stereo
Brand	litillbuly
Operating System	Android 13

RAM	2GB
ROM (Internal Storage)	32GB
Screen Size	9 Inches
Display Type	HD Touch Screen (Capacitive)
Connectivity Technology	Wi-Fi, Bluetooth
Navigation	Built-in GPS, North America Maps (pre-installed), supports online maps
Special Features	Wireless CarPlay, Android Auto, Steering Wheel Control, Backup Camera Support, Mirror Link, Text-to-Speech
Vehicle Service Type	Car, Truck (Ford F-150 2009-2012)
Item Weight	4.64 pounds
Package Dimensions	16.5 x 11.54 x 5.2 inches

Warranty and Support

The litillbuly Car Radio Stereo comes with a standard 1-year warranty covering manufacturing defects. For technical assistance, troubleshooting, or warranty claims, please contact our customer support team.
Customer Support Email: litillbuly@outlook.com
Our support team is available to assist you with any questions or issues you may encounter.

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Image: litillbuly brand logo.

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