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› Kakamoden Car Radio Stereo for Ford Edge (2011-2014) User Manual

Kakamoden 8+128G 12.1 inch Android Head Unit

Kakamoden Car Radio Stereo for Ford Edge (2011-2014)

Model: 8+128G 12.1 inch Android Head Unit

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Kakamoden Car Radio Stereo, designed specifically for Ford Edge models from 2011 to 2014. Please read this manual thoroughly before installation and use to ensure proper function and to maximize your experience with the device.

2. SAFETY INFORMATION

- Ensure the vehicle is turned off and the battery is disconnected before beginning installation to prevent electrical shorts or damage.
- Professional installation is recommended for optimal performance and safety.
- Do not operate the device in a manner that distracts you from driving. Always prioritize road safety.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or moisture.
- Use only specified accessories and wiring provided with the unit.

3. PACKAGE CONTENTS

Verify that all components are present in the package before proceeding with installation.

Product List

Complete wiring harness and accessories

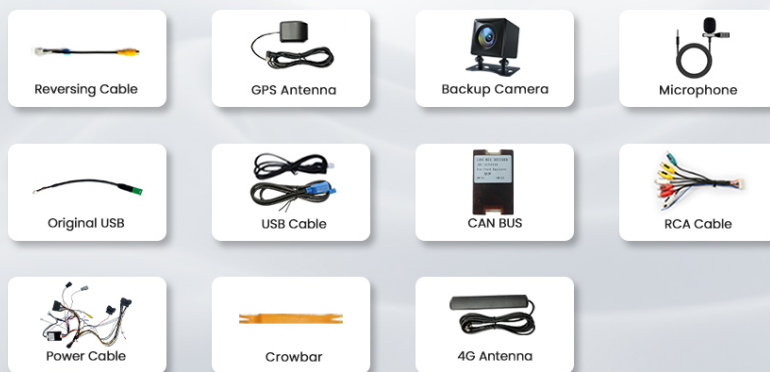


Image: Overview of included accessories and wiring harnesses. This includes the reversing cable, GPS antenna, backup camera, microphone, original USB cable, additional USB cable, CAN BUS decoder, RCA cable, power cable, crowbar tool, and 4G antenna.

- Kakamoden 12.1-inch Android Head Unit
- Power Cable Harness
- GPS Antenna
- USB Cables (x2)
- RCA Cables
- CAN BUS Decoder
- Microphone
- Rear-view Camera
- Reversing Cable
- 4G Antenna
- Installation Crowbar Tool
- User Manual (this document)

4. INSTALLATION GUIDE

This head unit is designed for a plug-and-play installation in Ford Edge models from 2011 to 2014. No wire cutting or dashboard modifications are typically required. However, professional installation is recommended.

4.1 Pre-Installation Steps

1. **Disconnect Battery:** Turn off the vehicle and disconnect the negative terminal of the car battery.
2. **Remove Original Head Unit:** Carefully remove the existing car radio and dashboard trim using appropriate tools, such as the provided crowbar. Refer to your vehicle's service manual for specific instructions on trim removal.
3. **Inspect Wiring:** Examine the vehicle's existing wiring harness for any damage.

4.2 Connecting the Head Unit

1. **Connect Main Power Harness:** Connect the provided main power cable harness to the vehicle's original wiring harness. Ensure all connections are secure.
2. **Connect CAN BUS Decoder:** Attach the CAN BUS decoder to the corresponding ports on the head unit and vehicle harness. This enables steering wheel controls and other vehicle data integration.
3. **Connect GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky (e.g., on the dashboard or under the windshield) and connect it to the GPS input on the head unit.

4. **Connect USB Cables:** Route the USB extension cables to a convenient location (e.g., glove compartment) and connect them to the head unit.
5. **Connect Microphone:** If using an external microphone, connect it to the designated input on the head unit and position it for optimal voice pickup.
6. **Connect RCA Cables (Optional):** If installing external amplifiers or subwoofers, connect the RCA output cables from the head unit to your audio equipment.
7. **Connect 4G Antenna (Optional):** If your unit supports 4G connectivity, connect the 4G antenna and position it for optimal signal reception.

4.3 Rear-view Camera Installation

1. **Mount Camera:** Install the rear-view camera at the rear of your vehicle, typically near the license plate light, ensuring a clear view.
2. **Route Camera Cable:** Carefully route the camera's video cable from the rear of the vehicle to the dashboard area, connecting it to the "CAM IN" or "REVERSE" input on the head unit.
3. **Connect Power:** Connect the camera's power wire to the vehicle's reverse light power source. This allows the camera to activate automatically when the vehicle is in reverse.

4.4 Final Steps

1. **Test Connections:** Before fully reassembling the dashboard, reconnect the car battery and power on the head unit. Test all functions: radio, GPS, Bluetooth, USB, and especially the rear-view camera by engaging reverse gear.
2. **Secure Head Unit:** Once all functions are verified, carefully mount the new head unit into the dashboard opening.
3. **Reassemble Dashboard:** Reinstall all removed trim pieces, ensuring they are securely fastened.



CAR RADIO HIGH QUALITY SOUND

For Ford Edge

2011-2014 Sound of nature version

 5G WIFI
  GPS
  Bluetooth
  DSP Sound
  Mirror Link
  FM AM Radios

Designed for a clear driving experience, premium sound, and durability



Image: Visual comparison of the Ford Edge dashboard before and after the installation of the Kakamoden 12.1-inch car radio stereo, demonstrating the integrated appearance.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Basic Navigation

- **Power On:** The unit typically powers on automatically with the vehicle's ignition.
- **Power Off:** The unit powers off automatically when the vehicle's ignition is turned off. A long press on the power button (if available) may manually turn off the screen or unit.
- **Touchscreen Interface:** Navigate through menus and applications by tapping, swiping, and pinching on the 12.1-inch HD vertical touchscreen.

8 Core 8G+128GB

Ensure fast app performance, smooth multitasking, and ample storage for music, apps, and navigation data.

Performance Contrast

Our: 8 Core

Other: 4 Core

100% ↑
Ability improvement

Fluency contrast

Our: 8 Core

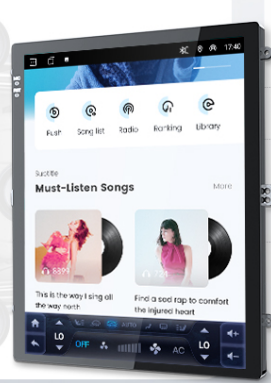
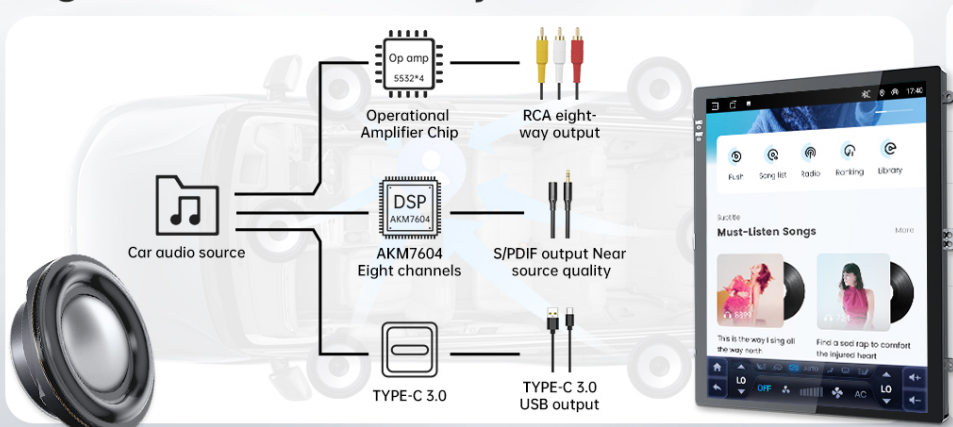
Other: 4 Core

80% ↑
Ability improvement



Image: Illustration of the 8-core processor and 8GB RAM + 128GB ROM, highlighting the performance capabilities for fast app operation and multitasking.

Higher Sound Quality At Hardware Level



Our	VS	Other
TDA7851	Power Amp Ilfier Chip	TDA7650
5.1 Surround	Vocal Tract	3.6 Surround
6 Channels	Passage	4 Channels
5.0	Bluetooth	4.0
6800μF	Filter Cap Acitor	4500μF
AKM7604*8 channels	DSP	AKM7738

Image: Depiction of the 1024x768P IPS touchscreen, emphasizing its HD visuals, responsive touch control, and wide viewing angles compared to a lower resolution display.

5.2 Wireless CarPlay & Android Auto

The unit supports wireless Apple CarPlay and Android Auto for seamless smartphone integration.

- 1. Enable Bluetooth/Wi-Fi:** Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
- 2. Pair Device:** On the head unit, navigate to the CarPlay or Android Auto application. Follow the on-screen instructions to pair your smartphone via Bluetooth.
- 3. Access Features:** Once connected, you can access navigation, make calls, send messages, and play music directly from your smartphone's interface displayed on the head unit.

Professions Digital Signal Processing

- Noise Cancellation, EQ Tuning & Spatial Enhancement. Wider Frequency Range, Sharper Clarity
- Plug-and-play DSP upgrade with 5.1 surround sound, ANC and Dirac Live tuning

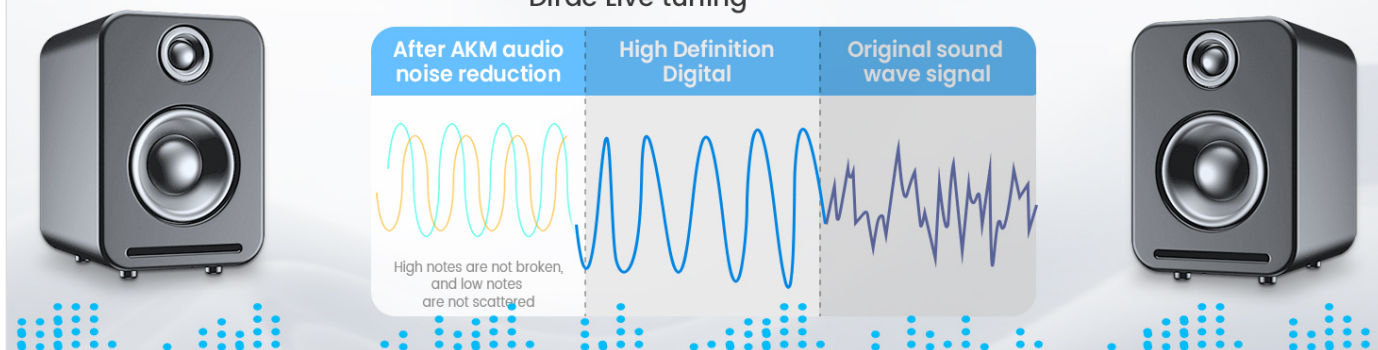


Image: Screenshot showing the CarPlay and Android Auto interfaces on the head unit, demonstrating smartphone app integration and voice command functionality.

5.3 GPS Navigation

The unit features built-in GPS with support for both online and offline navigation.

- **Online Navigation:** Connect to Wi-Fi or a mobile hotspot to use online mapping services (e.g., Google Maps, Waze).
- **Offline Navigation:** Download maps for offline use to navigate without an internet connection.
- **Route Planning:** Enter your destination to receive turn-by-turn directions and real-time traffic updates (if online).

DSP Digital Sound Effects

Enhance audio quality through frequency adjustment, noise reduction, surround sound simulation, and real-time processing, while supporting external audio sources for improved clarity and immersion.



Image: Display of the GPS navigation interface, showing route planning, map views, and various navigation app icons.

5.4 FM/AM RDS Radio

The integrated RDS FM/AM tuner provides access to radio stations with enhanced features.

- **Station Tuning:** Use the touchscreen to scan for stations or manually tune to specific frequencies.
- **RDS Functionality:** Radio Data System (RDS) displays station information, song titles, and other metadata where available.
- **Presets:** Save your favorite stations for quick access.

FM AM RDS Radio

Enables FM radio reception, wireless audio streaming via bluetooth, and RDS features like real-time traffic updates, program information display, automatic frequency switching (AF) for better reception, enhancing entertainment while driving.



Image: Screenshot of the FM/AM radio interface, showing frequency display, RDS information, and controls for tuning and presets.

5.5 Bluetooth 5.0 Connectivity

Connect your smartphone or other Bluetooth-enabled devices for hands-free calling and audio streaming.

1. **Pairing:** Go to the Bluetooth settings on the head unit and your device. Search for available devices and select the head unit's name to pair.
2. **Hands-Free Calling:** Make and receive calls directly through the head unit's interface and microphone.
3. **Audio Streaming:** Play music and other audio from your paired device through the car's speakers.

Supports Bluetooth 5.0

Enables hands-free calls, music playback ect, and enhances driving convenience and safety



Image: Depiction of the Bluetooth 5.0 functionality, illustrating hands-free calling, music playback, and phonebook access on the head unit screen.

5.6 Steering Wheel Control

The unit supports integration with your vehicle's existing steering wheel controls, allowing for safe operation without diverting attention from the road.

- **Functionality:** Control volume, switch tracks/channels, answer/end calls, and access other functions directly from your steering wheel buttons.
- **Configuration:** Some vehicles may require initial configuration of steering wheel controls through the head unit's settings menu.

Steering Wheel Control

The central screen can be operated via controls on the steering wheel without having to divert your eyes.



Image: Diagram illustrating how steering wheel controls can be used to manage various functions of the car radio, such as volume, track skipping, and call management.

5.7 Digital Sound Processing (DSP)

The integrated 48-band DSP allows for advanced audio customization and high-fidelity sound output.

- **Equalizer:** Adjust frequency bands to tailor the audio output to your preferences.
- **Sound Effects:** Access various sound effects and spatial enhancements.
- **Noise Reduction:** The DSP helps in reducing audio noise for clearer sound.



Image: Technical diagram illustrating the digital signal processing (DSP) components, including the operational amplifier chip, DSP chip (AKM7604), RCA output, and USB output, showing how audio signals are processed for improved sound quality.

5.8 Backup Camera Display

When the vehicle is shifted into reverse, the head unit automatically displays the feed from the connected rear-view camera.

- **Automatic Activation:** The display switches to the camera view when reverse gear is engaged.
- **Parking Guidelines:** Dynamic parking guidelines may be displayed to assist with parking maneuvers.

Backup Camera

Displays real-time rearview imagery for safer reversing/parking, with features like waterproof design, and wide-angle, reducing blind spots and accidents.



Image: Representation of the backup camera display on the head unit, showing the rear view with parking guidelines and an illustration of the camera's wide-angle view.

5.9 Split Screen Function

The split-screen feature allows two applications to be displayed simultaneously on the screen.

- **Multitasking:** For example, you can view navigation on one side and control music playback on the other.
- **Activation:** Typically activated by long-pressing an app icon or using a dedicated split-screen button in the system interface.

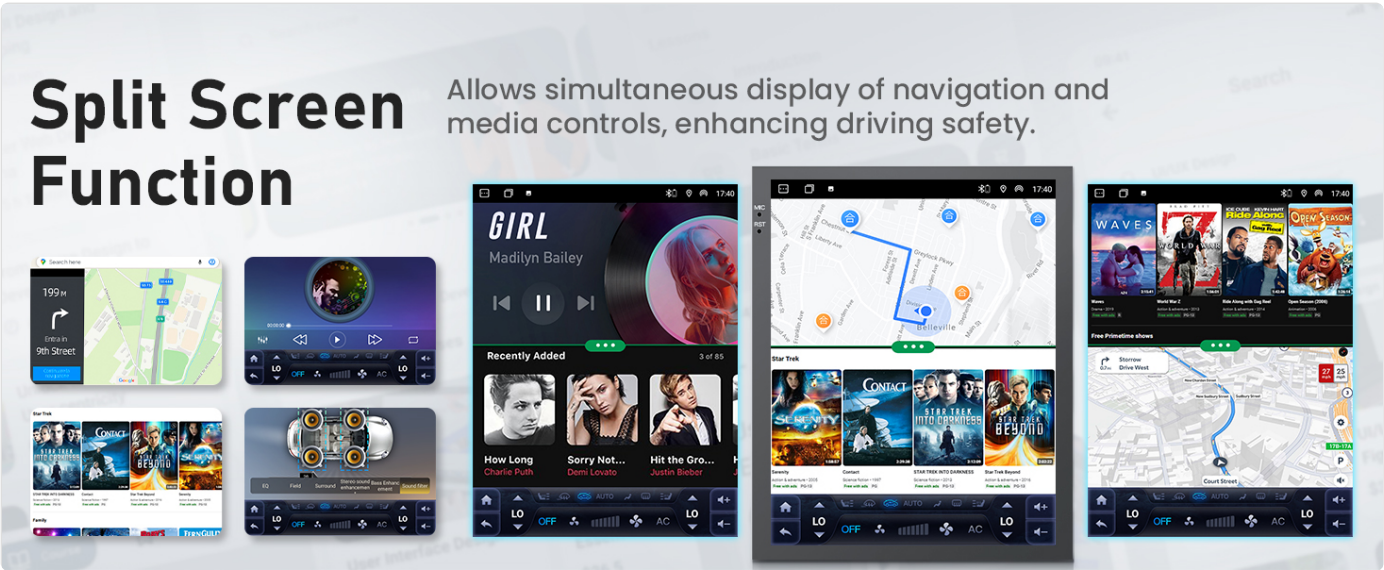


Image: Examples of the split-screen function, showing navigation and media applications running concurrently on the display.

5.10 Wired & Mirror Link

The unit supports wired mirror link functionality, allowing you to project your smartphone's screen onto the head unit display via USB.

- **Connection:** Connect your smartphone to the head unit using a USB cable.
- **Screen Mirroring:** Follow the on-screen prompts to enable screen mirroring, displaying your phone's content on the larger screen.



Image: Illustration demonstrating the wired mirror link feature, where a smartphone's display is projected onto the car radio screen via a USB connection.

6. MAINTENANCE

- **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.

- **Software Updates:** The unit supports Over-The-Air (OTA) updates. Connect the unit to a Wi-Fi network and check for available system updates periodically through the settings menu to ensure optimal performance and access to new features.
- **General Care:** Keep the unit free from dust and debris. Avoid placing heavy objects on or near the unit.

7. TROUBLESHOOTING

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.	Volume too low, mute activated, incorrect audio source, speaker wiring issue.	Increase volume. Check if mute is active. Select correct audio source. Verify speaker connections.
GPS signal lost or inaccurate.	GPS antenna obstructed or disconnected, outdated maps.	Ensure GPS antenna has a clear view of the sky and is securely connected. Update maps if necessary.
Bluetooth not connecting.	Bluetooth off on device/unit, device not in pairing mode, interference.	Ensure Bluetooth is enabled on both devices. Put device in pairing mode. Try restarting both devices.
Rear-view camera not displaying.	Camera cable loose, power issue to camera, incorrect input selected.	Check camera video and power connections. Ensure vehicle is in reverse. Verify camera input settings.
Steering wheel controls not working.	CAN BUS connection issue, incorrect configuration.	Check CAN BUS decoder connection. Refer to settings for steering wheel control configuration.

8. SPECIFICATIONS

Feature	Detail
Brand	Kakamoden
Model Compatibility	Ford Edge 2011-2014
Screen Size	12.1 Inches
Display Resolution	1024×768
Operating System	Android 13
Processor	8-core
RAM	8GB
ROM (Internal Storage)	128GB
Connectivity	5G WiFi, Bluetooth 5.0, USB
Navigation	Built-in GPS (online/offline maps)
Smartphone Integration	Wireless Apple CarPlay, Wireless Android Auto, Wired Mirror Link
Audio Features	48-Band DSP, RDS FM/AM Radio, High-fidelity audio

Feature	Detail
Additional Features	Steering Wheel Control, Split Screen Function, Backup Camera Support
UPC	750872694554
ASIN	B0F4K7M46X

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact Kakamoden customer service. Keep your proof of purchase for warranty claims.

Customer Service: For assistance with installation, operation, or troubleshooting, please contact Kakamoden support through the retailer where the product was purchased or visit the official Kakamoden website for contact details.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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