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hizpo Android Car Stereo for Ford F150 P415 Raptor (Manual AC) 2008-2014 User Manual

Model: P415

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, setup, and operation of your hizpo Android Car Stereo. Designed for Ford F150 P415 Raptor models with manual AC from 2008-2014, this unit enhances your vehicle's infotainment system with advanced features including Android 12, GPS navigation, Apple CarPlay, and Android Auto.

2. COMPATIBILITY

This hizpo car stereo is specifically designed for Ford F150 P415 Raptor vehicles equipped with manual AC, manufactured between 2008 and 2014. Please verify your vehicle's center console shape and size to ensure proper fitment before installation.



Image: Comparison of Ford F150 center consoles, highlighting compatible and incompatible designs for the stereo unit.



Image: Visual comparison of the car's dashboard before and after the hizpo car stereo installation.

3. KEY FEATURES

- **Operating System:** Android 12 with 8-Core UPC Octa Core 1.8 GHz processor.
- **Memory & Storage:** 4GB RAM + 32GB internal storage.
- **Display:** 9-inch 1280*720 QLED touchscreen for clear visuals and true color reproduction.
- **Smartphone Integration:** Built-in Wireless Apple CarPlay, Wireless & Wired Android Auto, and Mirror Link functionality.
- **Audio:** AM/FM radio, Dual Zone Video Out, Bluetooth Handsfree & Music, and a built-in BU32107EFV DSP IC for enhanced sound effects and noise reduction.
- **Safety:** Supports AHD backup camera function for improved visibility when reversing.
- **Control:** Steering Wheel Control compatibility for convenient operation.

4. INSTALLATION

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning. The unit comes with a wiring harness designed to fit the factory harness. Refer to the detailed wiring diagram below for connections.

VEHICLE APPLICATION

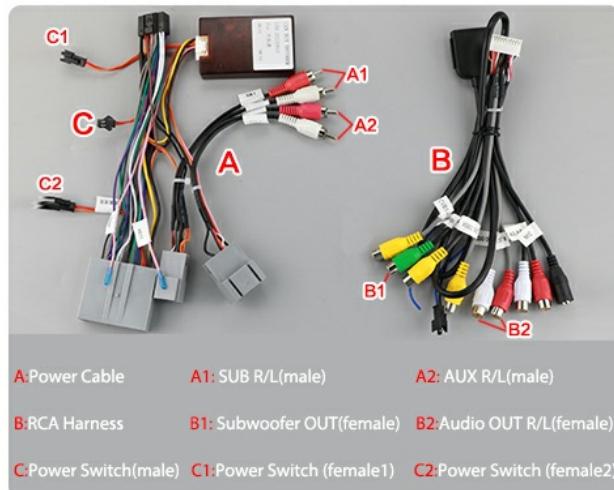
This unit will fit the following car model

Ford F150 P415 Raptor (Manual AC)

2009-2012

NOTE: Support OEM Amplifier, can install into F150 with OEM camera or navigation, but cannot keep these two functions. compatible list just for your reference, pls confirm shape & size of center console before biding.

[Detailed wiring explanation >>](#)



- ① A2 connects to B2, same color connection
- ② C connects to C1 or C2, and if connecting to one does not provide power, try connecting the other
- ③ If your car has an OEM Amplifier, connect B1 to either of the A1

Image: Detailed wiring diagram illustrating connections for power, RCA, and other components.

5. SETUP

5.1 Steering Wheel Control

To configure steering wheel controls, navigate to the 'Steering Wheel Study' option in the settings menu. Follow the on-screen prompts to assign functions to your vehicle's steering wheel buttons. This allows for easier control of music and volume, enhancing driving safety.



Image: Interface for setting up steering wheel controls.

5.2 DSP Audio Settings

The built-in Digital Sound Processor (DSP) allows for precise audio customization. Access the DSP settings to adjust equalizer bands, surround sound, bass enhancement, and sound field settings to optimize your listening experience.



Image: DSP interface showing various audio adjustment options.

5.3 Apple CarPlay & Android Auto

Connect your smartphone via Bluetooth for wireless CarPlay/Android Auto or a USB cable for wired Android Auto. This allows access to navigation, calls, messages, and music directly from your phone, displayed on the car stereo screen.

Support Carplay/Android auto

Phone | Music | Maps | Podcasts Make your journey easier and more fun



Image: Illustration of connecting smartphones for CarPlay and Android Auto.



Image: Examples of Apple CarPlay and Android Auto interfaces on the stereo.

6. OPERATING INSTRUCTIONS

6.1 User Interface Navigation

The system features an intuitive Android interface. Swipe left or right to access different application pages. Tap on icons to launch applications such as Bluetooth, Radio, Music, Video, and more. The home screen provides quick access to essential functions and widgets.

Your browser does not support the video tag.

Video: Demonstration of the hizpo Android 14 carplay radio stereo-S series user interface and features.

Your browser does not support the video tag.

Video: Overview of the hizpo Carplay Android 12 car radio, including the weather display feature.

6.2 Radio Functionality

Access the Radio application to tune into AM/FM stations. You can manually scan for stations, save presets, and utilize RDS (Radio Data System) features where available.

6.3 GPS Navigation

The built-in GPS navigator provides accurate location and routing. Use pre-installed maps or download your preferred navigation apps from the Play Store. The system supports real-time traffic updates and voice guidance.

6.4 Picture-in-Picture (PIP)

The PIP feature allows you to watch videos in a small, resizable window while using other applications. This is useful for multitasking, such as following navigation while a passenger watches media.

PIP(Picture in Picture)



The ability to watch video in small window
on top of the screen. you can adjust the size.



Image: Demonstration of the Picture-in-Picture (PIP) feature.

6.5 Rear View Camera Display

When the vehicle is shifted into reverse gear, the display automatically switches to the AHD backup camera feed, providing a clear view of the area behind your car. This helps in identifying obstacles and improving parking safety.

Rear View System



A car video system that supports a backup camera up to 1920*1080 pixels display strouble some blind spots on the screen, allowing driver to seehazards such as pets, children playing, or mailboxes, as they backup. When you engage reverse gear, the device will automatically switch to reverse mode after a backup camera is correctly installed.



Image: Rear view camera display with dynamic parking guidelines.

6.6 Bluetooth Connectivity

Utilize Bluetooth 5.0 for stable and long-distance connections. Pair your smartphone for hands-free calling, contact synchronization, and audio streaming. The system supports A2DP for high-quality music playback.

Bluetooth 5.0 Dual channel



Stable and long distance Bluetooth connection.

Stable and long distance WiFi connection



Image: Diagram illustrating Bluetooth 5.0 dual channel technology.

6.7 Weather Display

The unit can display real-time weather information, updated every 30 minutes, keeping you informed about current conditions and forecasts for your location.



Image: Home screen displaying the weather widget.

7. MAINTENANCE

To ensure optimal performance and longevity of your hizpo car stereo, regular maintenance is advised. Keep the screen clean using a soft, lint-free cloth. Avoid using harsh chemicals or abrasive materials. Ensure proper ventilation around the unit to prevent overheating.

7.1 Internal Cooling Fan

The unit is equipped with a small cooling fan to dissipate heat and maintain stable operation. Ensure that the fan vents are not obstructed.

Small cooling fan



Image: Close-up view of the internal cooling fan.

8. TROUBLESHOOTING

If you encounter issues with your hizpo car stereo, please refer to the following common troubleshooting steps:

- **No Power:** Check all power connections and fuses. Ensure the vehicle's ignition is on.
- **No Sound:** Verify speaker connections and audio settings (DSP, volume levels). Ensure the factory amplifier (if present) is correctly integrated.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset may be necessary (note: this will erase personal data).
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear line of sight to the sky.
- **Bluetooth Connection Problems:** Delete previous pairings on both the stereo and your phone, then attempt to re-pair. Ensure Bluetooth is enabled on both devices.
- **CarPlay/Android Auto Not Connecting:** Check USB cable connection (if wired). Ensure Bluetooth is on for wireless connections. Verify that the CarPlay/Android Auto app is updated on your phone.

For persistent issues, contact hizpo customer support.

9. SPECIFICATIONS

Feature	Detail
Model Name	hizpo P415
Operating System	Android 12
CPU	8-Core UPC Octa Core 1.8 Ghz
RAM + ROM	4GB + 32GB
Screen Size	9 Inches
Screen Resolution	1280*720 QLED Touchscreen
Connectivity Technology	Bluetooth 5.0, WiFi

Special Features	Apple CarPlay/Android Auto, Built-in DSP, AHD Backup Camera Support
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	5.52 pounds
Package Dimensions	16.57 x 12.17 x 5.08 inches

10. WHAT'S IN THE Box

- hizpo Android Car Stereo Unit
- USB Cable
- RCA Harness
- GPS Antenna
- User Manual (this document)

11. WARRANTY AND SUPPORT

Your hizpo car stereo comes with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included in the packaging or contact hizpo customer support. For technical assistance, troubleshooting, or service inquiries, please visit the official hizpo website or contact their support team directly.