PHEZEN RT-QJ0173X-WUYA-08

PHEZEN 7-inch Touchscreen Android Car Stereo User Manual

Model: RT-QJ0173X-WUYA-08 for Ford F150/F250 (2004-2014)

1. Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your PHEZEN 7-inch Touchscreen Android Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and to maximize your user experience. Keep this manual for future reference.

2. Product Overview

The PHEZEN 7-inch Touchscreen Android Car Stereo is designed to integrate seamlessly into Ford F150 and F250 models from 2004 to 2014. It offers a comprehensive suite of features to enhance your in-car entertainment and navigation experience.

Key Features:

- **Vehicle Compatibility:** Specifically designed for Ford F150 and F250 (2004-2014) with a 7-inch touch screen radio, ensuring a precise fit.
- **Wireless CarPlay & Android Auto:** Enjoy seamless integration with your smartphone for navigation, music, calls, and more, both wirelessly and via wired connection.
- **Built-in GPS Navigation:** Supports both online and offline maps. Download necessary offline map data for navigation without an internet connection.
- **Wi-Fi Connectivity:** Connect to a Wi-Fi hotspot to access the Play Store for app downloads, stream online videos, and navigate online.
- **Bluetooth Functionality:** Features A2DP for hands-free calling, phone synchronization, and wireless music streaming.
- **FM/RDS Radio:** High-quality FM radio with 18 preset stations, allowing you to save favorites and access real-time traffic information, news, and programs.
- **Reversing Display:** Automatic display of the rear view from a waterproof night vision camera when the vehicle is in reverse gear.
- **Steering Wheel Control:** Retains original steering wheel control functions for easy management of songs, channels, and volume.
- **Multi-functional:** Supports rear view camera input, multilingual switching, external microphone, and customizable audio equalization (EQ).

Product Compatibility Check

Before installation, verify that your vehicle's center console matches the compatible configurations shown below. This unit is designed for specific Ford F150 and F250 models from 2004-2014.



Figure 2.1: Compatible and Incompatible Center Console Configurations. Ensure your vehicle's dashboard matches the 'After installation' example for proper fitment.

3. Setup and Installation

This section outlines the general steps for installing your PHEZEN car stereo. Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning installation.

3.1 Included Components

Verify that all components are present in the package:



Figure 3.1: Included Components. This image displays the main unit, wiring harnesses, GPS antenna, backup camera, and other accessories.

- 7-inch Touchscreen Unit
- Power Cable
- RCA Input/Output Cables
- 2 USB Cables
- Camera Input Cable
- USB Adapter Cable
- GPS Antenna
- Instruction Manual (this document)
- Protocol Box
- Radio Adapter
- Backup Camera (Waterproof night vision)

3.2 Wiring Diagram

Refer to the wiring diagram for correct connections. The included wiring harness is designed to plug directly into the factory harness of compatible Ford F150/F250 models, often requiring no splicing for the main power and speaker connections.

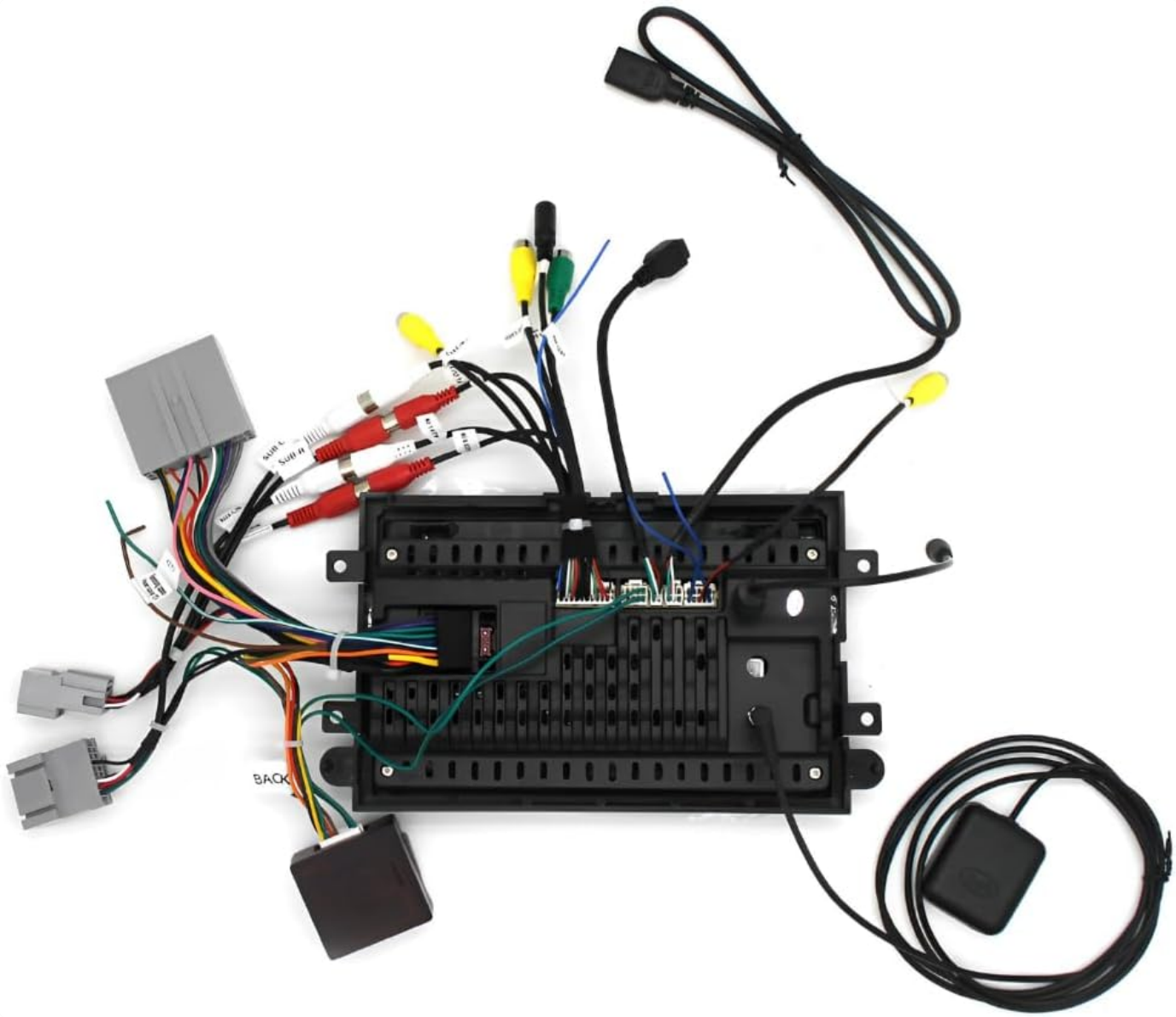


Figure 3.2: Rear Wiring Connections. This diagram illustrates the various input and output ports and their corresponding harnesses.

3.3 Backup Camera Installation

The backup camera requires connection to the unit and typically to the vehicle's reverse light circuit for automatic activation. Note that the provided video cable for the backup camera may not be long enough for all vehicle configurations, especially for supercab models with full-length beds. An extension kit may be required and is sold separately. Splicing may be necessary for the backup camera's power connection.

3.4 Steering Wheel Control Connection

If your vehicle has factory steering wheel controls, connect the appropriate wires from the unit's harness to your vehicle's steering wheel control wires. The unit supports learning functions for these controls. If your vehicle lacks factory controls, a separate wireless steering wheel controller can be added (not included) and configured with the unit.

4. Operating Instructions

4.1 Basic Operation

- **Power On/Off:** Press and hold the power button (if available) or turn your vehicle's ignition to the ACC or ON position.
- **Touchscreen Interface:** Navigate through menus and applications by tapping, swiping, and dragging on the 7-inch capacitive touchscreen.
- **Volume Control:** Adjust volume using the on-screen controls or your vehicle's steering wheel controls.

4.2 Wireless CarPlay and Android Auto

Connect your iPhone or Android smartphone wirelessly or via USB to access compatible apps, navigation, music, and communication features directly on the car stereo display.



Figure 4.1: CarPlay, Android Auto, and Mirror Link Interfaces. This image demonstrates the wireless and wired connectivity options for smartphones.

- **Wireless Connection:** Enable Bluetooth and Wi-Fi on your smartphone. On the car stereo, select the CarPlay or Android Auto icon and follow the on-screen prompts to pair your device.
- **Wired Connection:** Connect your smartphone to one of the unit's USB ports using a compatible USB cable. The system should automatically detect and launch CarPlay or Android Auto.

4.3 GPS Navigation

The unit features a built-in GPS module for navigation. You can use pre-installed maps or download additional map data.



Figure 4.2: GPS Navigation Interface. This image illustrates the map display and navigation features.

- **Online Navigation:** Connect to a Wi-Fi hotspot to use online mapping services.
- **Offline Navigation:** Download required offline map data to the unit's internal storage for navigation without an internet connection. Access this feature through the navigation application settings.

4.4 Wi-Fi Hotspot and App Installation

Connect the unit to a mobile hotspot or Wi-Fi network to access online features.

- **Connecting to Wi-Fi:** Go to Settings > Network & Internet > Wi-Fi, then select your desired network and enter the password.
- **App Downloads:** Once connected, open the Play Store app to download and install various applications.

4.5 Bluetooth Functions

Pair your smartphone via Bluetooth for hands-free calling and audio streaming.



Figure 4.3: Bluetooth, FM/RDS Radio, and EQ Interfaces. This image highlights the hands-free calling, radio tuning, and sound customization options.

- **Pairing:** Go to the Bluetooth menu on the stereo. Enable Bluetooth on your phone and search for available devices. Select the stereo's name (e.g., "PHEZEN Car Stereo") and confirm pairing.
- **Hands-Free Calling:** Once paired, you can make and receive calls directly through the stereo. Use the built-in microphone or an external microphone for clear communication.
- **Music Streaming:** Play audio from your phone through the car stereo speakers via Bluetooth A2DP.

4.6 FM/RDS Radio

Access local radio stations and receive RDS (Radio Data System) information.

- **Tuning:** Use the on-screen controls to scan for stations or manually tune to a specific frequency.
- **Presets:** Save your favorite stations to the 18 available preset slots for quick access.
- **RDS:** When available, RDS will display station information, song titles, and traffic updates.

4.7 Reversing Display and Steering Wheel Control

Enhance safety with the automatic reversing camera display and convenient steering wheel controls.



Figure 4.4: Reversing Display, Steering Wheel Control, and Split Screen. This image demonstrates key operational features for convenience and safety.

- **Reversing Display:** When the vehicle is shifted into reverse, the screen will automatically switch to display the view from the connected backup camera.
- **Steering Wheel Control:** Utilize your vehicle's existing steering wheel buttons to control various functions of the stereo, such as volume, track skipping, and mode selection. Configure these controls in the unit's settings under 'Steering Learn'.

4.8 Audio Equalization (EQ)

Customize your audio experience with the built-in equalizer.

- **Adjusting EQ:** Access the EQ settings through the audio menu. You can select from various preset sound effects (e.g., Pop, Rock, Jazz) or manually adjust frequency bands to achieve your preferred sound quality.

4.9 Split Screen Functionality

The unit supports split-screen mode, allowing you to run two applications simultaneously, such as navigation and music playback.

- **Activating Split Screen:** Typically, this can be done by long-pressing the recent apps button or dragging an app to one side of the screen. Refer to the Android operating system's specific instructions for detailed steps.

5. Maintenance

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

- **Cleaning the Screen:** 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.

- **General Cleaning:** Keep the unit and surrounding dashboard area free of dust and debris. Use a soft brush or compressed air for hard-to-reach areas.
- **Software Updates:** Periodically check for available software updates through the unit's settings menu (if applicable) to ensure you have the latest features and bug fixes.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for prolonged periods, as this can affect its performance and lifespan.

6. Troubleshooting

This section addresses common issues you might encounter. If you experience problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check all power wiring connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
Slow response from touchscreen.	System overload, temporary software glitch.	Close unnecessary background applications. Restart the unit. Perform a factory reset if the issue persists (note: this will erase data).
Low volume output.	Incorrect audio settings, speaker wiring issues.	Check volume levels and EQ settings. Verify speaker wire connections.
Cannot connect to Wireless Android Auto/CarPlay.	Bluetooth/Wi-Fi not enabled, incorrect pairing process, phone compatibility.	Ensure Bluetooth and Wi-Fi are active on both devices. Re-attempt pairing. Check phone compatibility with wireless features. Try a wired connection.
No AM radio reception.	Unit does not support AM band.	This unit primarily supports FM/RDS radio. AM band reception is not a guaranteed feature.
Backup camera not displaying.	Loose camera connection, incorrect wiring to reverse light, faulty camera.	Check camera input cable connection. Verify power connection to the camera and reverse light trigger wire.
Microphone issues (people can't hear me).	Microphone sensitivity setting, microphone placement, faulty microphone.	Adjust microphone sensitivity in settings. Ensure microphone is positioned correctly and not obstructed. Speak clearly and loudly.
GPS navigation not working with Google Maps.	App configuration, internet connection for online maps, missing offline map data.	Ensure the Google Maps app is properly configured. Connect to Wi-Fi for online maps or download offline map data.
Screen glare or poor visibility in sunlight.	Environmental lighting conditions.	Adjust screen brightness in the unit's display settings.
Colors appear saturated or blurry.	Display settings.	Check display calibration or color settings within the unit's menu.

7. Specifications

Detailed technical specifications for the PHEZEN 7-inch Touchscreen Android Car Stereo.

Feature	Detail
Model Number	RT-QJ0173X-WUYA-08
Brand	PHEZEN
Screen Size	7 inches (6.98 inches actual display)
Display Type	Capacitive Touch Screen
Operating System	Android
Memory Storage Capacity	64 GB
Connectivity Technology	Bluetooth, Wi-Fi, USB
Special Features	Wireless CarPlay, Android Auto, GPS Navigation, FM/RDS Radio, Backup Camera Support, Steering Wheel Control, EQ, Split Screen
Supported Satellite Navigation System	GPS
Map Types	Road, Topographic, Satellite (via GPS)
Audio Output Mode	Stereo
Human-Interface Input	Microphone, Touchscreen
Control Method	Touch
Compatible Devices	Smartphone
Vehicle Service Type	Truck (Ford F150/F250 2004-2014)
Product Dimensions	29 x 20 x 10 cm
Item Weight	1.22 kg (1222 g)

8. Warranty and Support

For warranty information, technical support, or service inquiries, please contact the manufacturer directly. Details regarding warranty coverage and support channels are typically provided with your purchase documentation or on the manufacturer's official website.

- **Manufacturer:** PHEZEN
- **Contact Information:** Refer to the contact details provided in your product packaging or visit the PHEZEN official website for support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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