

[Manuals.plus](#) /

› [WENMENGDE](#) /

› WENMENGDE 10-inch 8-Core QLED Android Car Stereo User Manual

WENMENGDE 976946c8-f6da-402a-9995-0d89a2173320

WENMENGDE 10-inch 8-Core QLED Android Car Stereo User Manual

Model: 976946c8-f6da-402a-9995-0d89a2173320

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your WENMENGDE 10-inch 8-Core QLED Full Touch Screen Android Car Radio. This advanced car stereo system offers a comprehensive suite of features including wireless CarPlay and Android Auto, 4G/WiFi connectivity, DSP audio processing, GPS navigation, and more, designed to enhance your in-car entertainment and connectivity experience.



Figure 1.1: WENMENGDE 10-inch Android Car Stereo main unit with user interface display.

2. What's in the Box

Please verify that all components listed below are included in your package:

- 1x Head Unit (10-inch QLED Display)
- 1x Power Adapter
- 1x RCA Cables
- 1x GPS Antenna
- 1x Reverse Cable
- 2x USB Cables
- 1x Backup Camera
- 1x Microphone
- 1x User Manual



Figure 2.1: Complete packing list of the WENMENGDE car stereo system and accessories.

3. SPECIFICATIONS

Key technical specifications of the WENMENGDE 10-inch Android Car Stereo:

Feature	Specification
Operating System	Android 13
Processor	8-Core A55 Architecture, 1.6GHz Main Frequency
GPU	PowerVR Fentale GE8322 550MHz
RAM	4GB LPDDR4X
ROM	64GB eMMC5.1
Display	10-inch QLED, 1280*720 Resolution

Connectivity	4G LTE (SIM Card Slot), Wi-Fi (2.4G & 5GHz), Bluetooth 5.0, USB
Audio Features	DSP AK7604, 48-Band EQ Adjustment, AM/FM/RDS Radio
Navigation	Built-in GPS/GLONASS/SBAS
Smartphone Integration	Wireless & Wired Apple CarPlay, Wireless & Wired Android Auto, Mirror Link
Backup Camera Support	720P AHD (supports CVBS/AHD)
Dimensions (Head Unit)	252mm (W) x 147mm (H)
Package Dimensions	11.38 x 7.6 x 3.23 inches
Item Weight	3.25 pounds

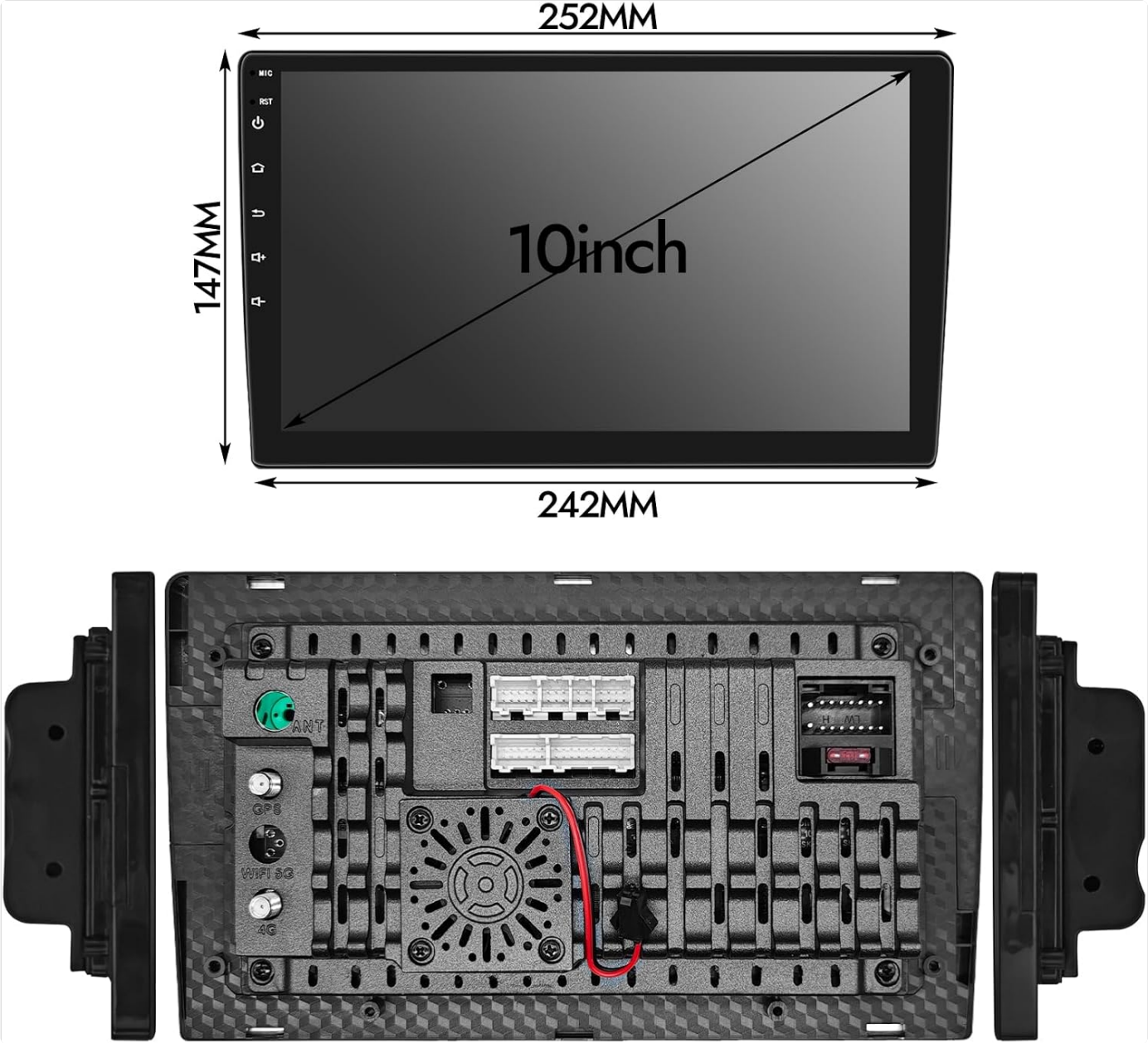


Figure 3.1: Physical dimensions and rear view of the head unit.

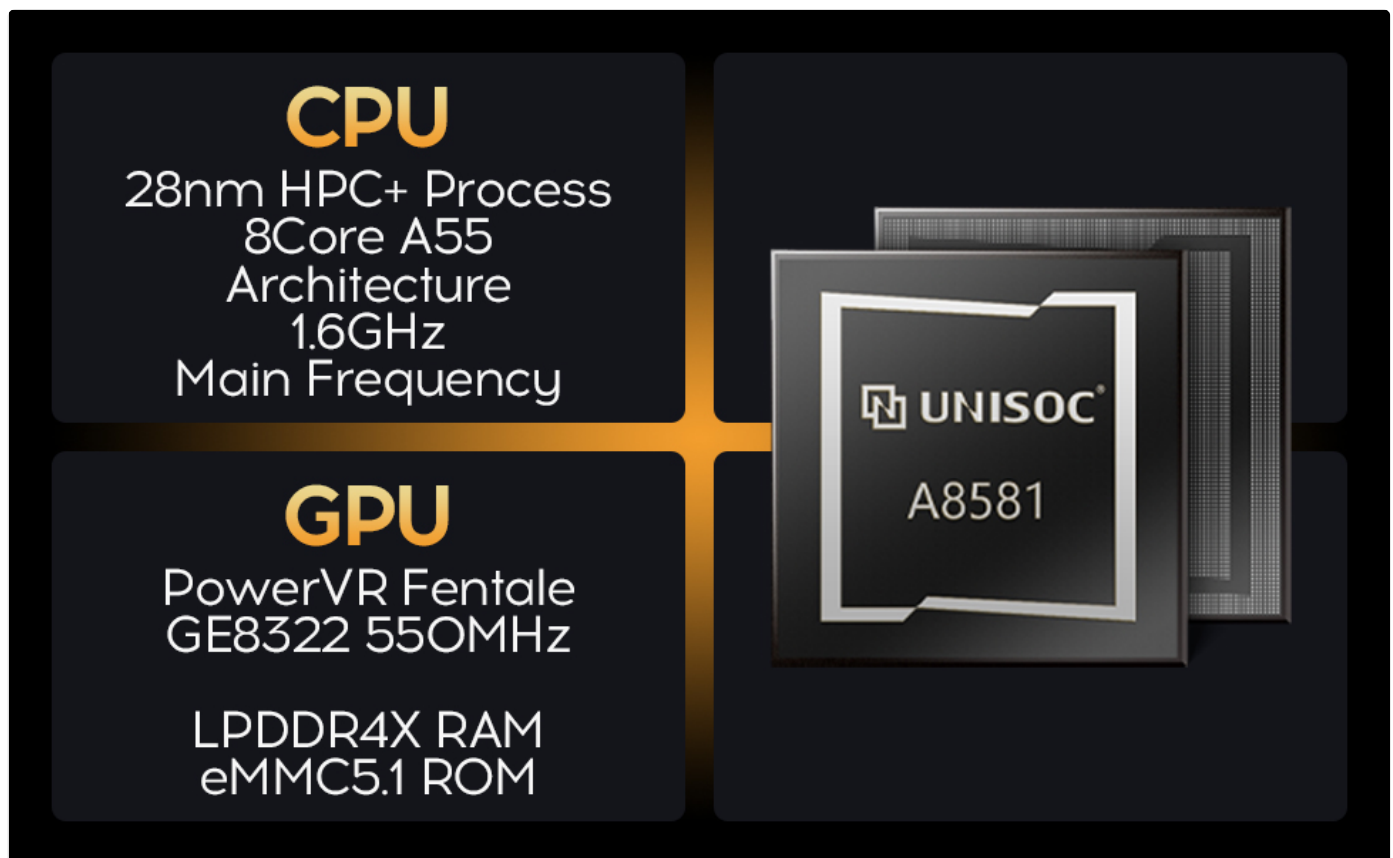


Figure 3.2: Internal hardware specifications including CPU and GPU.

4. SETUP AND INSTALLATION

This section outlines the general steps for installing your new car stereo. Professional installation is recommended if you are unfamiliar with car audio wiring.

4.1 Pre-Installation Check

- Ensure your vehicle has a double DIN radio slot (178*100MM).
- Disconnect the vehicle's battery before starting any electrical work.
- Identify the existing wiring harness in your vehicle.

9&10inch 8Core 4+64GB Universal Head Unit For 2Din Radio Model



Figure 4.1: Visual comparison of a car dashboard before and after head unit installation.

4.2 Wiring Connections

Refer to the wiring diagram provided in the packaging and the image below for correct connections:

- **Power Adapter:** Connect the main power harness to your vehicle's power supply (ACC, B+, GND).
- **RCA Cables:** Connect for audio output (speakers, amplifier) and video input/output. The SIM card slot is integrated with the RCA cables.
- **GPS Antenna:** Connect the GPS antenna to the dedicated port on the back of the head unit. Position the antenna in a location with clear sky view.
- **USB Cables:** Connect the provided USB cables for external devices or wired CarPlay/Android Auto.
- **Reverse Cable:** Connect this cable to your vehicle's reverse light signal for automatic backup camera activation.
- **Backup Camera:** Connect the backup camera to the video input port labeled 'CAM IN' or similar.
- **Microphone:** Connect the external microphone for improved call quality.
- **4G Antenna:** If using 4G connectivity, connect the 4G antenna to the designated port.
- **Steering Wheel Control (SWC):** Connect the SWC wires to your vehicle's steering wheel control interface (if applicable).

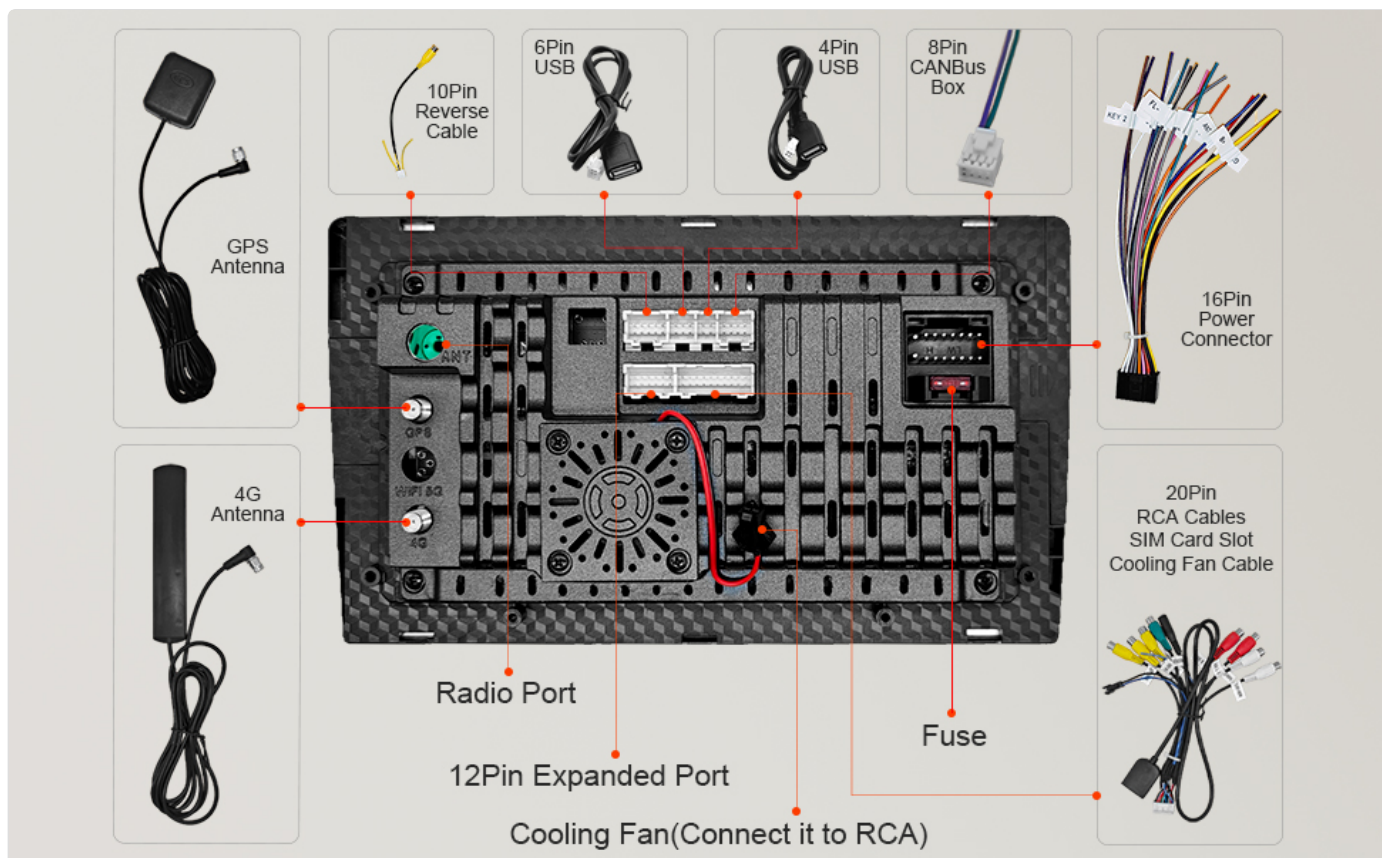


Figure 4.2: Rear connection ports and wiring diagram for the head unit.

4.3 Mounting the Head Unit

Secure the head unit into the double DIN slot using the provided mounting brackets and screws. Ensure it is firmly in place and does not obstruct any vehicle controls.

5. OPERATING INSTRUCTIONS

This section details the various functions and features of your WENMENGDE car stereo.

5.1 Initial Power On and System Overview

After installation, reconnect the vehicle battery. The unit will power on automatically with the vehicle's ignition. The Android 13 system provides a smooth and responsive user experience.



Figure 5.1: Overview of the car stereo's main features.

5.2 Connectivity (4G, WiFi, Bluetooth)

- **4G/WiFi:** Insert a compatible SIM card into the designated slot (often integrated with RCA cables) or connect to a WiFi hotspot. This enables internet access for online navigation, app downloads, and streaming.
- **Bluetooth 5.0:** Pair your smartphone via Bluetooth for hands-free calling, music streaming, and phonebook synchronization. Access the Bluetooth menu on the head unit to search for and connect to devices.

4G LTE&WiFi Dual Network



Compatible TD-LTE&FDD-LTE 2.4&5GHz WiFi

Figure 5.2: 4G LTE and WiFi dual network connectivity.



Figure 5.3: Bluetooth 5.0 interface for hands-free communication and music.

5.3 GPS Navigation

The unit comes with built-in GPS navigation. You can use pre-installed offline maps or download online navigation apps from the Play Store. The split-screen function allows you to view navigation alongside other applications.

5.4 Smartphone Integration (CarPlay, Android Auto, Mirror Link)

- **Wireless/Wired CarPlay & Android Auto:** Connect your iPhone or Android phone wirelessly via Bluetooth/WiFi or wired via USB. This allows you to access your phone's navigation, music, messages, and other compatible apps directly on the car stereo screen.
- **Mirror Link:** Synchronize your phone's screen content to the 10-inch QLED display, enabling you to view and control your phone's interface from the head unit.

CarPlay and Android Auto



(Zlink)Wired&Wireless Connection Methods

Figure 5.4: CarPlay and Android Auto interface for seamless smartphone integration.

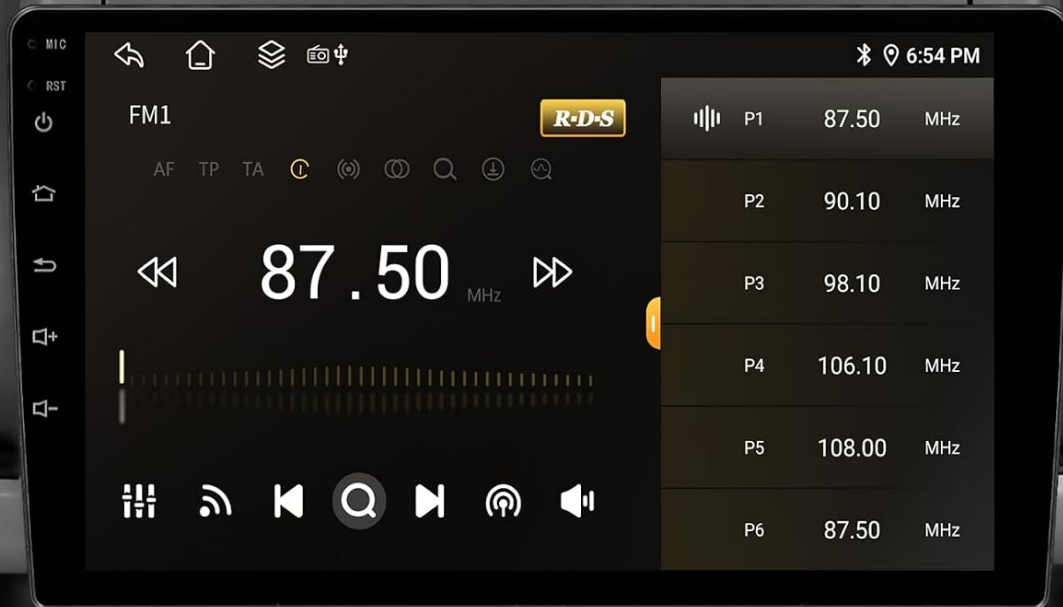
5.5 Audio Features (DSP, Radio)

- **DSP (Digital Sound Processor) AK7604:** Utilize the 48-Band EQ to fine-tune audio frequencies, optimize sound quality, and achieve various music effects tailored to your preference.
- **AM/FM/RDS Radio:** Access local radio stations with clear reception. RDS (Radio Data System) provides additional information like station name, song title, and traffic updates.



Figure 5.5: DSP AK7604 with 48-Band EQ sound adjustment.

Si4755 Radio Moduel



FM&AM(RDS) Fast and stable channel search

Figure 5.6: FM&AM (RDS) radio interface for fast and stable channel search.

5.6 Backup Camera and Steering Wheel Control

- **720P AHD Backup Camera:** When shifting into reverse gear, the display will automatically switch to the rear view from the included waterproof camera, assisting with parking and maneuvering.
- **Steering Wheel Control (SWC):** If connected, you can control basic functions like volume adjustment and track skipping directly from your vehicle's steering wheel buttons.

6. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. For stubborn smudges on the screen, a slightly damp, lint-free cloth can be used. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for system software updates via the unit's settings menu (if available) to ensure you have the latest features and bug fixes.

- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

7. TROUBLESHOOTING

This section addresses common issues you might encounter and their potential solutions.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check all power wiring connections. Inspect the fuse on the power harness and replace if blown. Ensure vehicle battery is charged.
No sound or distorted audio.	Incorrect speaker wiring, volume too low, DSP settings misconfigured.	Verify speaker connections. Increase volume. Reset DSP settings to default or adjust EQ.
Bluetooth/CarPlay/Android Auto connection issues.	Incorrect pairing, software glitch, phone compatibility.	Ensure Bluetooth is enabled on both devices. Forget and re-pair the device. Restart both the head unit and the phone. Try a wired connection if wireless fails.
GPS signal is weak or inaccurate.	GPS antenna improperly placed or faulty.	Ensure the GPS antenna has a clear line of sight to the sky, away from metal obstructions. Check antenna connection.
Backup camera not displaying.	Incorrect wiring of reverse trigger or camera, faulty camera.	Verify the reverse trigger wire is correctly connected and receiving power when in reverse. Check camera video input connection. Test camera if possible.
Unit freezes or becomes unresponsive.	Software error, too many apps running, overheating.	Perform a soft reset (locate the RST button, usually a small pinhole, and press with a non-sharp object). Close unnecessary background applications. Ensure proper ventilation around the unit.

8. WARRANTY AND SUPPORT

WENMENGDE is committed to providing quality products and customer satisfaction.

8.1 Warranty Information

For specific warranty terms and conditions, please refer to the warranty card included with your product or contact WENMENGDE customer support directly. Warranty coverage typically includes defects in materials and workmanship under normal use.

8.2 Customer Support

If you encounter any issues that cannot be resolved using the troubleshooting guide, or if you have further questions regarding your product, please contact the WENMENGDE professional support team. They are available to assist you and typically respond within 24 hours.

Contact information can usually be found on the product packaging, the official WENMENGDE website, or through your purchase platform.

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