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› MekedeTech Android Car Radio Stereo GPS Head Unit User Manual for Volkswagen VW Passat B6 B7 B8 CC Magotan (2011-2015), Model 8-Core 8+128G

MekedeTech 8-Core 8+128G

MekedeTech Android Car Radio Stereo GPS Head Unit User Manual

Model: 8-Core 8+128G | Compatible with Volkswagen VW Passat B6 B7 B8 CC Magotan (2011-2015)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech Android Car Radio Stereo GPS Head Unit. Please read this manual thoroughly before installation and use to ensure proper function and to maximize your user experience. Keep this manual for future reference.

2. PRODUCT OVERVIEW

2.1 Key Features

- **System:** Android 13 OS
- **Processor:** 8-Core A53 1.8GHz CPU
- **Memory:** 8GB RAM, 128GB ROM
- **Display:** 9-inch IPS Touch Screen with 1280x720 resolution
- **Connectivity:** Built-in 4G LTE, Wi-Fi Module, Bluetooth 5.0
- **Navigation:** Built-in GPS navigation with pre-loaded maps
- **Smartphone Integration:** Wireless CarPlay and Wired Android Auto support
- **Audio:** Built-in DSP sound system for enhanced audio quality, 4*50W power output
- **Control:** Supports original steering wheel controls
- **Compatibility:** Designed for Volkswagen VW Passat B6 B7 B8 CC Magotan (2011-2015)

2.2 Package Contents

The package includes the head unit and all necessary accessories for installation, such as a dash kit, power cable, RCA

cables, reversing camera cable, and USB cables. Please verify all components are present before beginning installation.



Image: The MekedeTech Android Car Radio Stereo GPS Head Unit displaying its main interface with navigation, media player, and vehicle speed information.

3. SETUP

3.1 Installation

This head unit is designed for a Plug & Play installation in Volkswagen VW Passat B6, B7, B8, CC, and Magotan models manufactured between 2011 and 2015. The included dash kit and cables are specific to these vehicle models. Professional installation is recommended to ensure correct wiring and functionality, especially for retaining original steering wheel controls.

- Carefully remove the original car radio following your vehicle's service manual.
- Connect the provided power cable, RCA cables, and other necessary connectors to the corresponding ports on the new head unit and your vehicle's wiring harness.
- Ensure all connections are secure.
- Mount the new head unit into the dashboard opening using the provided dash kit.
- Test the unit before fully reassembling the dashboard.



Image: A comparison showing the original car dashboard setup (top left) and the MekedeTech head unit installed in a Volkswagen Passat dashboard (bottom), along with a close-up of the head unit's display (top right).

3.2 Initial Configuration

Upon first power-on, the unit will boot into the Android 13 OS. Follow the on-screen prompts for initial setup, including language selection, time zone, and Wi-Fi connection. The system includes a cooling fan to manage temperature during prolonged use. Ensure proper ventilation around the unit.

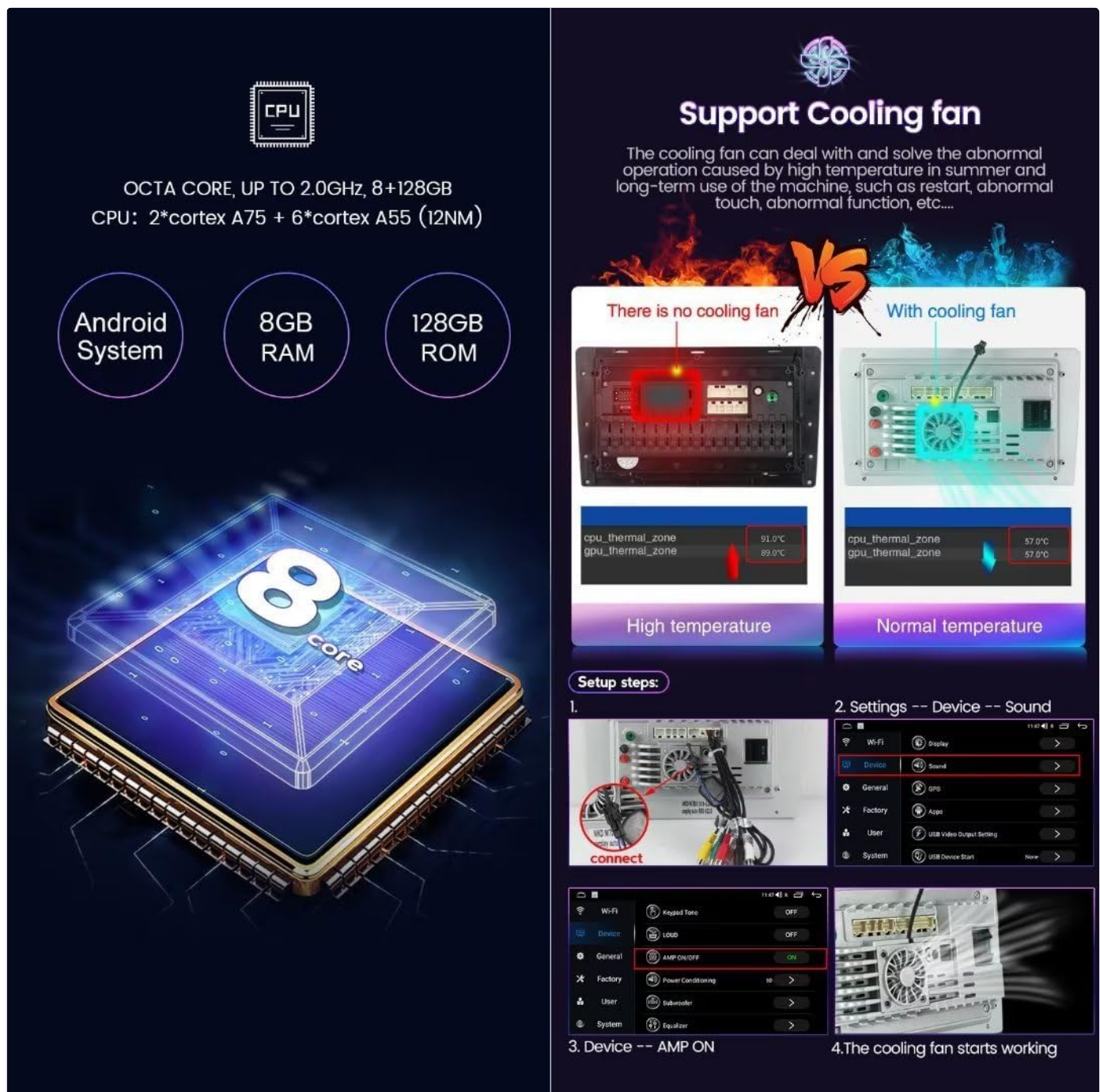


Image: An infographic detailing the head unit's octa-core CPU, 8GB RAM, 128GB ROM, and the function of its cooling fan. It also illustrates basic setup steps for connecting the cooling fan and accessing device sound settings.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually located on the front panel) to turn the unit on or off. A short press typically mutes the audio.
- **Touch Screen:** Navigate the Android interface by tapping, swiping, and pinching on the 9-inch IPS touch screen.
- **Volume Control:** Adjust volume using the physical buttons or on-screen controls.
- **Steering Wheel Controls:** The unit retains original steering wheel control functionality for easy access to volume, track changes, and other features.

4.2 Wireless CarPlay and Android Auto

The head unit supports both wireless CarPlay (for iOS devices) and wired Android Auto (for Android devices).

- **Connection Steps:**

1. Enable Bluetooth on your smartphone.
2. On the head unit, navigate to the 'Car Link' application or similar.
3. Pair your phone via Bluetooth.
4. Follow any on-screen prompts to initiate CarPlay or Android Auto. For Android Auto, a USB cable connection may be required for initial setup or consistent performance.

- Once connected, you can access navigation, music, messages, and other compatible apps directly from the head unit's screen.

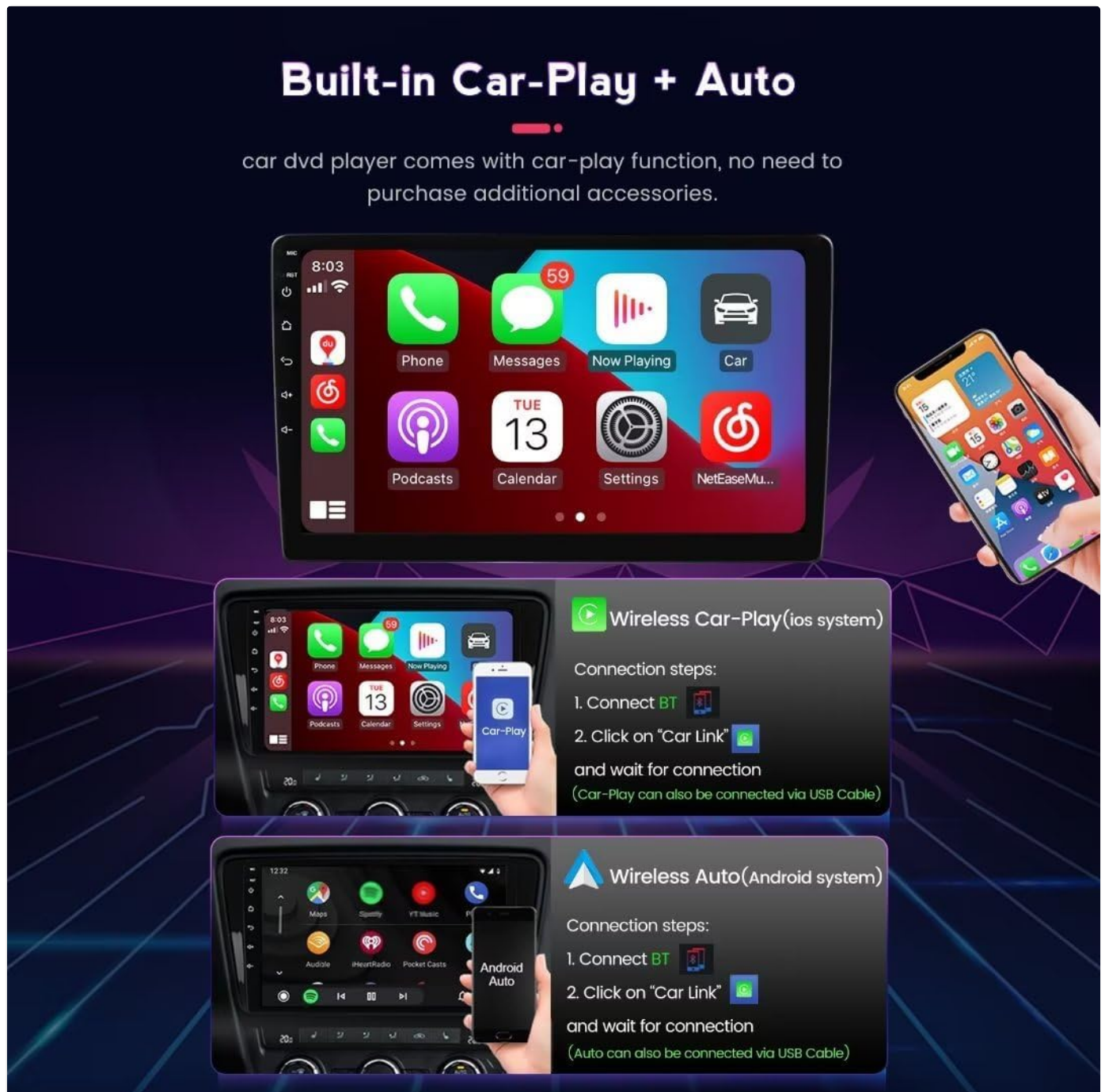


Image: An illustration demonstrating the connection process for Wireless CarPlay (iOS system) and Wireless Android Auto (Android system), highlighting the use of Bluetooth and the 'Car Link' feature.

4.3 GPS Navigation

The unit features built-in GPS navigation with pre-installed maps. To use:

- Tap the 'Navigation' or 'Maps' icon on the home screen.
- Enter your destination.
- Follow the voice-guided directions and on-screen map.
- Ensure the GPS antenna is properly installed and has a clear view of the sky for optimal signal reception.

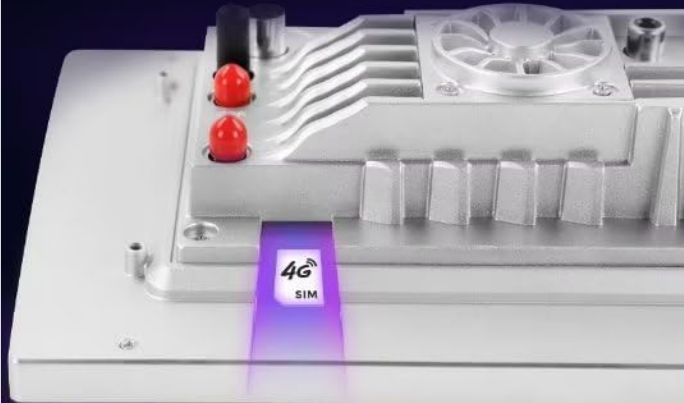
4.4 4G LTE and Wi-Fi Connectivity

Stay connected on the go with 4G LTE and Wi-Fi capabilities.

- **4G LTE:** Insert a compatible 4G SIM card into the designated slot (located on the back of the main unit or on the RCA cable, depending on the specific configuration). This allows direct internet access without needing a phone hotspot.
- **Wi-Fi:** Connect to available Wi-Fi networks or use your smartphone as a Wi-Fi hotspot. Navigate to 'Settings' > 'Network & Internet' > 'Wi-Fi' to manage connections.

Built-in 4G Lte and WIFI

The built-in 4G module allows you to connect to the cellular network almost anywhere, anytime. No need to open your cellular hotspot connection every time.



4G SIM card slot

The machine includes two SIM card slots, one on the back of the main unit and one on the RCA cable.



External SIM card slot

Support DSP Processor

Increase DSP digital audio processing module multi-dimensional surround lossless sound effects, enjoy high-definition audio-visual feast!

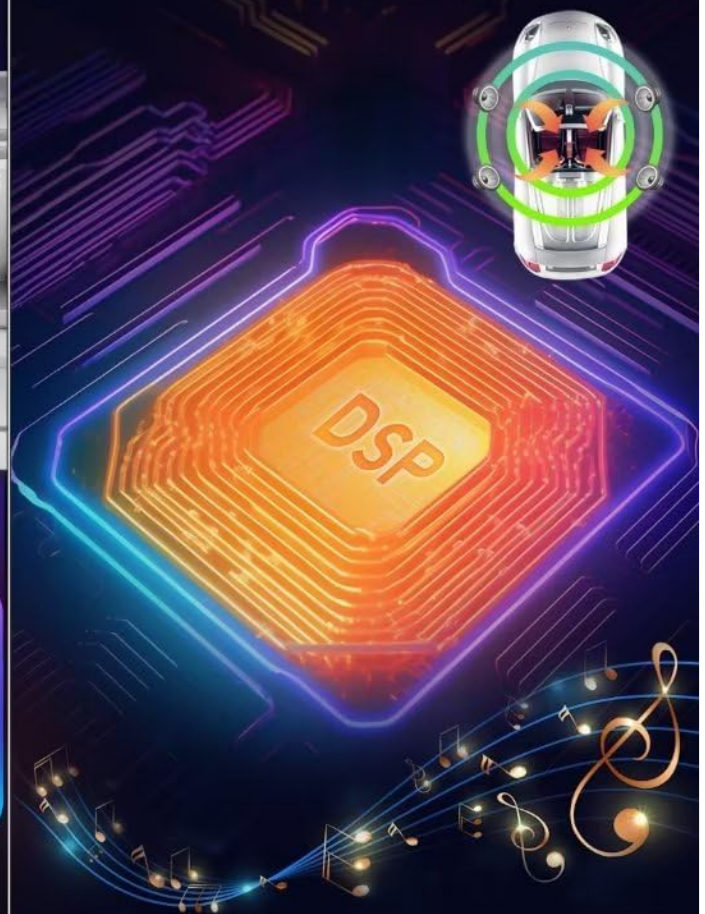


Image: An illustration highlighting the built-in 4G LTE and Wi-Fi features, including the SIM card slot location. It also depicts the DSP (Digital Signal Processor) for enhanced audio quality.

4.5 Bluetooth 5.0

Bluetooth 5.0 provides stable and high-quality connections for hands-free calling and audio streaming.

- **Pairing:** Go to 'Settings' > 'Connected devices' > 'Bluetooth' and search for available devices. Select your phone to pair.
- **Hands-Free Calling:** Make and receive calls directly from the head unit's screen.
- **Audio Streaming:** Play music from your paired smartphone through the car's speakers.

4.6 DSP Sound System

The integrated DSP (Digital Signal Processor) enhances the audio experience by providing multi-dimensional surround sound and lossless audio effects. Adjust sound settings via the 'Sound' or 'Equalizer' options in the system settings to customize your audio output.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronics to clean the touch screen. Avoid abrasive cleaners or harsh chemicals.
- **Software Updates:** Periodically check for system software updates via the 'Settings' menu to ensure optimal performance and access to new features. Updates can be downloaded over Wi-Fi or 4G.
- **Cooling System:** The unit features a cooling fan. Ensure that the fan vents are not obstructed to prevent overheating, especially during long periods of use or in hot climates.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for extended periods, or excessive moisture.

6. TROUBLESHOOTING

If you encounter issues with your head unit, refer to the following common problems and solutions:

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 vehicle battery is charged.
No sound output	Volume muted, incorrect audio source, loose speaker wires	Check volume level and mute status. Select correct audio source. Verify speaker wire connections.
GPS signal lost or inaccurate	GPS antenna obstructed or improperly installed	Ensure GPS antenna has a clear view of the sky and is securely connected.
CarPlay/Android Auto not connecting	Bluetooth not enabled, incorrect pairing, app issues	Ensure Bluetooth is on and paired. Restart phone and head unit. Try a different USB cable for Android Auto.

Problem	Possible Cause	Solution
Touch screen unresponsive	System freeze, software glitch	Perform a soft reset (refer to device manual for specific button combination, often a small reset button or holding power button). If issue persists, contact support.

If the problem persists after attempting these solutions, please contact MekedeTech customer support for further assistance.

7. SPECIFICATIONS

- **Operating System:** Android 13
- **CPU:** 8-Core A53 1.8GHz
- **RAM:** 8GB
- **ROM:** 128GB
- **Display Size:** 9 Inches
- **Display Resolution:** 1280x720
- **Power Output:** 4*50W
- **Bluetooth Version:** 5.0
- **Connectivity:** 4G LTE, Wi-Fi, Bluetooth
- **Special Features:** Touchscreen, Wireless CarPlay, Wireless Android Auto, Built-in GPS, DSP Sound System, Steering Wheel Control Support
- **Audio Format Support:** APE/FLAC/WAV/MP3/WMA etc.
- **Video Format Support:** MKV/RMVB/AVI/MP4/MDV etc.
- **Picture Format Support:** PNG/JPEG/JPG/GIF/WBMP/BNP etc.
- **Vehicle Service Type:** Car (Volkswagen VW Passat B6 B7 B8 CC Magotan 2011-2015)

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This MekedeTech head unit comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact MekedeTech customer support. Refer to the contact information provided with your product packaging or visit the official MekedeTech website for support resources.

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