

XTRONS B0DKHNFWPS

XTRONS 12.3 Inch Android 14 Car Stereo User Manual

Model: B0DKHNFWPS

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your XTRONS 12.3 Inch Android 14 Qualcomm 680 Car Stereo. Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your user experience.

The XTRONS car stereo is designed to upgrade your vehicle's infotainment system with a large, high-resolution touch screen, advanced Android 14 operating system, and seamless integration with your smartphone via Wireless CarPlay and Android Auto.

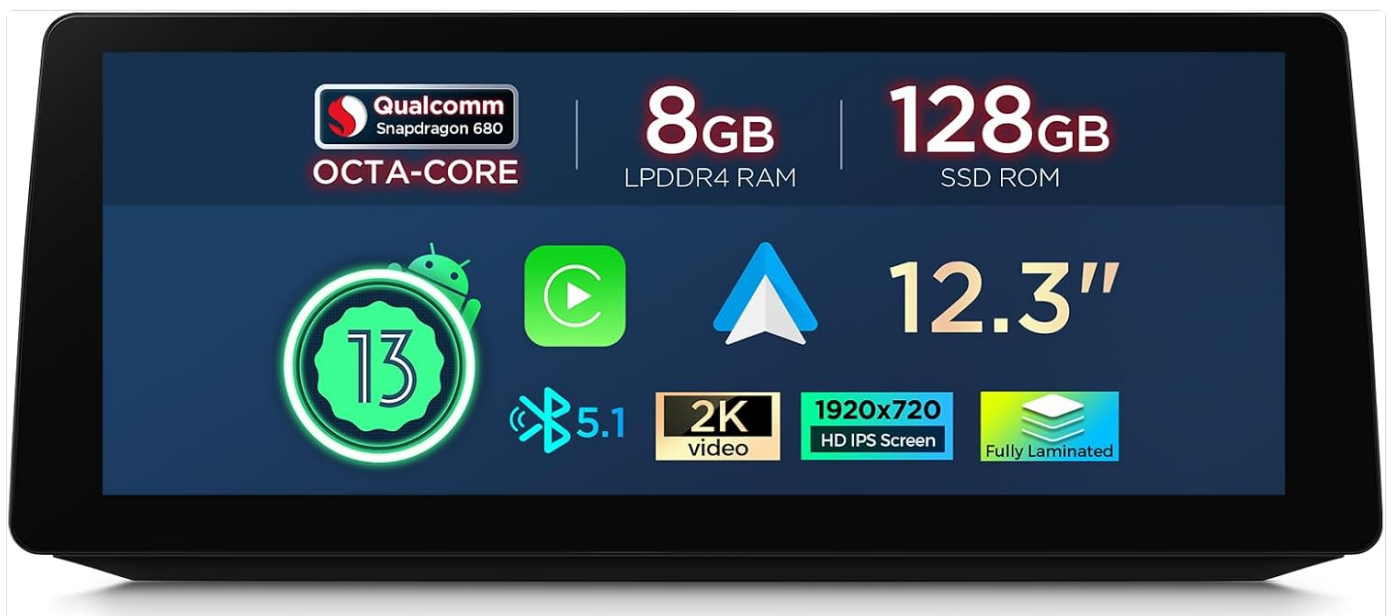


Figure 1.1: XTRONS 12.3 Inch Android 14 Car Stereo

This image shows the front view of the XTRONS 12.3 Inch Android 14 Car Stereo, highlighting its large display and sleek design. Key specifications like Qualcomm Snapdragon 680, 8GB LPDDR4 RAM, 128GB SSD ROM, Bluetooth 5.1, 2K video support, 1920x720 HD IPS

2. APPLICABLE MODELS AND SYSTEM COMPATIBILITY

This XTRONS car stereo is specifically designed for the following BMW models and years, provided they are equipped with the CIC System:

- **BMW 5 Series E60 E61** (2009-2012) - with CIC System
- **BMW 5 Series M5** (2009-2012) - with CIC System

Important Notes on Compatibility:

- Connect the XTRONS unit to your car's AUX input for audio functionality.
- Ensure AUX is enabled to enjoy the full audio experience with the head unit.
- If your car comes with NO audio AUX input or the AUX port is not functioning, you may need to order a FM transmitter to aid the installation. Compatible FM transmitters include XTRONS CA/ITR/FM02 and CA/ITR/FM03.

Applicable Models

For BMW 5 Series E60 E61 (2009-2012) with CIC System

For BMW 5 Series M5 (2009-2012) with CIC System

Before



After



Compatible System

✓ CIC system



4 PIN LVDS Port



CIC Interface



CD button

✗ CCC system Please buy XTRONS QGB23CCB12E60.



10 PIN LVDS Port

CCC Interface



Both CD and DVD slot



✗ NBT system



6 PIN LVDS Port

NBT Interface



Media button



Touch pad controller

Important Notes on Compatibility

Connect the XTRONS unit to your car's AUX input for audio functionality. Ensure AUX is enabled to enjoy the full audio experience with our head unit. If your car comes with NO audio AUX input or the AUX port is not functioning, you need to order a FM transmitter to aid for the installation.

(XTRONS CA/ITR/FM02 and CA/ITR/FM03 are compatible.)



Figure 2.1: System Compatibility Overview

This image illustrates the compatibility of the XTRONS unit with BMW CIC systems, showing "Before" and "After" installation views. It also clearly indicates incompatibility with CCC and NBT systems, providing visual cues for identifying the correct system type (e.g., 4 PIN LVDS Port for CIC, 10 PIN LVDS Port for CCC, 6 PIN LVDS Port for NBT).

3. MAIN FEATURES

- **Android 14 Qualcomm Snapdragon 680:** Octa-core processor with 8GB LPDDR4 RAM and 128GB Solid State ROM, featuring Kyro 265 CPU and 6nm process technology for enhanced power efficiency and robust processing.
- **12.3" IPS Touch Screen (1920x720):** A large, high-fidelity IPS display with 178° viewing angle, fully-laminated, anti-glare, and ultra-slim design for an immersive visual experience.
- **Wireless CarPlay & Wireless/Wired Android Auto:** Seamlessly integrate your smartphone for navigation, calls, music, and voice commands (Siri/Google Assistant).
- **Bluetooth 5.1:** Provides stable connections and high-quality transmission for hands-free calls and music streaming.
- **Dual Wi-Fi Band Connecting:** Supports both 2.4GHz and 5GHz bands for faster and more flexible connectivity.
- **Multi-task Display (PIP):** Run two applications simultaneously, such as navigation and music, on the 12.3" IPS screen. Picture-in-Picture (PIP) allows you to watch videos while using other apps.
- **Original Functions Retained:** Maintains the iDrive system control, original radio, CD player, speaker system, original camera compatibility, and steering wheel control.
- **Customizable UI:** Features 1 Day/Night switch mode UI and 6 sets of classic UI designs tailored for BMW enthusiasts.

Ultimate performance with Qualcomm Snapdragon 680



Octa Core
with Kryo 265 CPU



Up to **2.4GHz**
Processor Speed



6nm Process
Technology

Explore More, Even Faster



LPDDR4 RAM

8 GB

UFS ROM

128 GB

+25%
Operating Performance

-20%
Energy Consumption

Figure 3.1: Qualcomm Snapdragon 680 Performance

This image highlights the powerful Qualcomm Snapdragon 680 Octa-Core processor with Kryo 265 CPU, up to 2.4GHz processor speed, and 6nm process technology, ensuring enhanced performance and efficiency. It also shows the 8GB LPDDR4 RAM and 128GB UFS ROM, contributing to a fast and responsive user experience.

Perfect Integration of Android OS and Your Original



Original Functions Retained



Original System Retained



iDrive Control Supported



Original Speaker System Retained



Keep Original Radio&CD



Compatible with Original Camera



Support Steering Wheel Control

Figure 3.2: Integration with Original BMW System

This image demonstrates how the XTRONS unit seamlessly integrates with the original BMW system, retaining crucial functionalities such as the iDrive control, original speaker system, original radio/CD, compatibility with the original camera, and support for steering wheel controls.

4. WHAT'S IN THE BOX (ACCESSORIES)

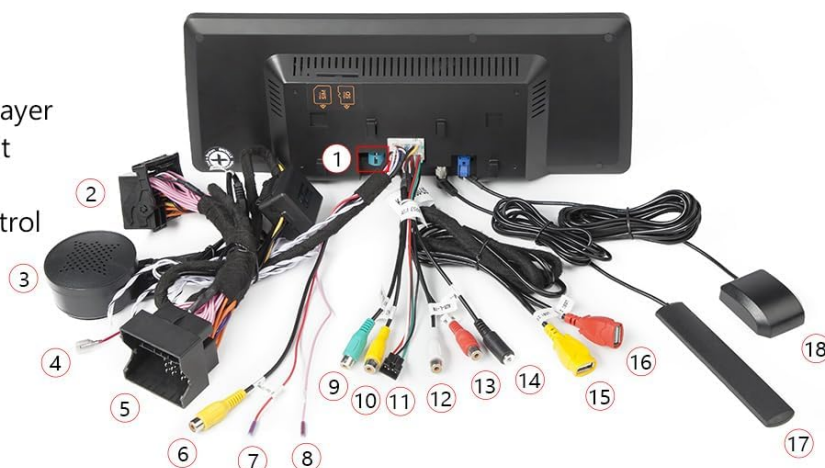
The following components are included in your XTRONS car stereo package:

- 1 x ISO Wiring Harness
- 1 x Audio Cable
- 1 x RCA Cable
- 1 x GPS Antenna
- 1 x USB Cable
- 1 x 4G Antenna
- 1 x Mini Speaker

- 1 x Tweezers
- 1 x Plastic Bracket
- 1 x Fix Mount
- 3 x Screws
- 1 x User Manual (this document)
- 1 x Installation Instruction

Wiring Harness

1. LVDS Port
2. ISO Wiring Harness1
3. Mini Speaker
4. ACC
5. ISO Port to Connect Original CD Player
6. Rear Camera IN, Rear Camera Input
7. CAMERA +12, Camera Acc
8. CAMERA DET, Reversing cable control
9. DVR VIDEO IN, Not Available
10. VIDEO IN, Video Input
11. Reserved port
12. AUX IN L, Audio Input Left
13. AUX IN R, Audio Input Right
14. MIC, Microphone Port
15. USB Port1
16. USB Port2
17. 4G Antenna
18. GPS Antenna



Package Content



Figure 4.1: Package Contents and Wiring Harness

This image displays all the items included in the package, neatly laid out. It also provides a detailed diagram of the wiring harness, labeling each port and cable for easy identification during installation, such as LVDS Port, ISO Wiring Harness, Mini Speaker, ACC, Rear Camera IN, GPS Antenna, USB Ports, and 4G Antenna.

5. SETUP AND INSTALLATION

For detailed installation steps, please refer to the separate "Installation Instruction" document included in your package. This section provides general guidelines and important considerations.

5.1 Pre-Installation Checklist

- Ensure your vehicle is compatible with the XTRONS unit (BMW 5 Series E60/E61/M5 2009-2012 with CIC System).
- Gather all included accessories and tools required for installation.
- Disconnect the vehicle's battery before starting any electrical work.
- Familiarize yourself with your vehicle's dashboard and existing wiring.

5.2 Wiring Connections

Refer to the wiring harness diagram (Figure 4.1) for correct connections. Key connections include:

- **LVDS Port:** Connects the display to the main unit.
- **ISO Wiring Harness:** Connects to the vehicle's main power and speaker wiring.
- **RCA Cable:** For audio output to external amplifiers or subwoofers.
- **GPS Antenna:** For navigation functionality. Position in a location with clear sky view.
- **USB Cable:** For connecting USB devices, wired Android Auto, or software updates.
- **4G Antenna:** For mobile data connectivity.
- **Rear Camera IN:** For connecting an optional reversing camera.
- **AUX IN L/R:** Crucial for audio output from the XTRONS unit to your car's original AUX input.

5.3 Post-Installation

- Reconnect the vehicle's battery.
- Power on the unit and perform initial setup steps as prompted on the screen.
- Test all functions: audio, navigation, touch screen, steering wheel controls, and camera (if installed).

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Touch Screen:** Navigate the interface by tapping, swiping, and pinching on the 12.3-inch IPS display.
- **iDrive Control:** The original iDrive controller remains fully functional for navigating both the original BMW system and the Android system.
- **Steering Wheel Controls:** Your vehicle's existing steering wheel controls for audio and calls will continue to function.
- **Switching Systems:** Easily switch between the Android OS and your original BMW OEM system.

6.2 Wireless CarPlay & Android Auto

Connect your iPhone or Android smartphone wirelessly via Bluetooth for seamless integration. For Android Auto, a wired connection via USB is also supported.

- Enable Bluetooth on your smartphone and pair it with the XTRONS unit.
- Once connected, compatible apps from your phone will appear on the stereo's screen.
- Access navigation, make calls, send messages, and play music using the touch screen or voice commands (Siri/Google Assistant).

Sync with Your Smartphone Effortlessly

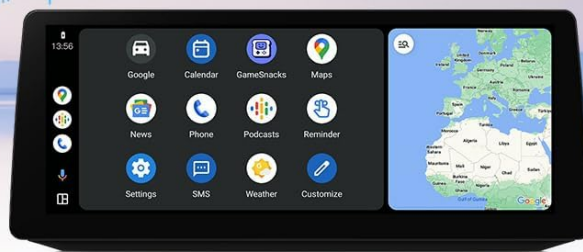


CarAutoPlay
Wireless

Play some music.



Android Auto
Wireless/Wired



Screen Mirroring
Wireless Connection



Bluetooth



Figure 6.1: Smartphone Connectivity

This image illustrates the various ways to sync your smartphone with the XTRONS unit, including Wireless CarPlay, Wireless/Wired Android Auto, Wireless Screen Mirroring, and Bluetooth connectivity for calls and music streaming.

6.3 Bluetooth 5.1

Utilize Bluetooth 5.1 for stable and high-quality audio streaming and hands-free calling. Pair your phone through the Bluetooth settings menu on the head unit.

6.4 Wi-Fi Connectivity

Connect to Wi-Fi hotspots (2.4GHz or 5GHz) for internet access, app downloads, and online navigation updates. Go to Settings > Network & Internet > Wi-Fi to connect.

6.5 Multi-tasking and UI Customization

- **Split Screen:** Drag and drop app icons to enable split-screen mode, allowing two applications to run side-by-side (e.g., navigation and music).
- **Picture-in-Picture (PIP):** For supported video applications, you can minimize the video to a small floating window

while using other apps.

- **User Interface (UI):** Customize your experience with different UI themes, including day/night modes and 6 classic UI sets. Access these options in the system settings.

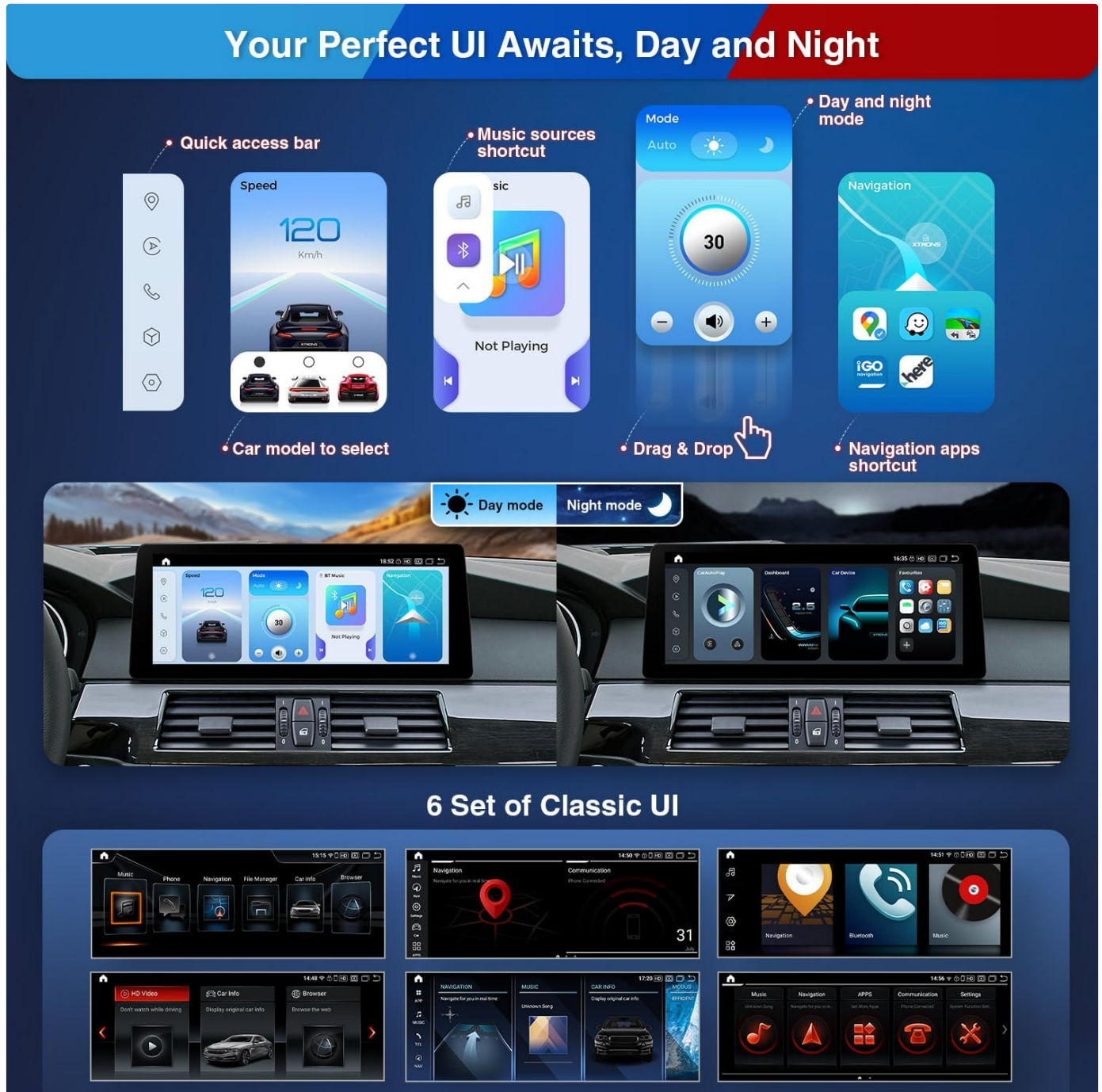


Figure 6.2: Customizable User Interface

This image showcases the customizable user interface options, including a quick access bar, music sources shortcut, day and night mode switching, navigation app shortcuts, and six different classic UI sets to personalize the display.

7. MAINTENANCE

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

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for system software updates to ensure you have the latest features and bug fixes. Updates can typically be found in the system settings or on the XTRONS official website.
- **Temperature Control:** Avoid exposing the unit to extreme temperatures. While designed for automotive use,

prolonged exposure to direct sunlight in a parked car can affect performance and lifespan.

- **Ventilation:** Ensure the unit's ventilation areas are not blocked to prevent overheating.
- **Cable Management:** Periodically check all connected cables to ensure they are securely fastened and not pinched or damaged.

8. TROUBLESHOOTING

If you encounter issues with your XTRONS car stereo, refer to the following common troubleshooting steps. If the problem persists, contact XTRONS customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issues.	Check all power cables and fuses. Ensure vehicle battery is charged.
No audio output.	AUX input not enabled/connected, volume too low, incorrect audio source.	Verify AUX connection and ensure it's enabled in your car's original system. Check volume levels and selected audio source.
Touch screen unresponsive.	System freeze, temporary software glitch.	Restart the unit (refer to installation instructions for reset method if available). Ensure screen is clean.
GPS signal weak or lost.	GPS antenna improperly placed or obstructed.	Relocate the GPS antenna to a position with a clear view of the sky (e.g., dashboard, under windshield).
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off, phone compatibility issues, incorrect pairing.	Ensure Bluetooth and Wi-Fi are enabled on both devices. Re-pair the phone. Check phone's OS version for compatibility.

For further assistance, please visit the XTRONS support website or contact their customer service.

9. SPECIFICATIONS

Feature	Specification
Display Size	12.3 Inches
Screen Resolution	1920x720 (IPS Panel)
Operating System	Android 14
Processor	Qualcomm Snapdragon 680 Octa-Core (Kyro 265 CPU, up to 2.4GHz)
RAM	8GB LPDDR4
Internal Storage	128GB Solid State ROM (UFS)
Bluetooth Version	5.1
Wi-Fi Connectivity	2.4GHz / 5GHz Dual Band
Special Features	Touchscreen, Wireless CarPlay, Wireless/Wired Android Auto, Multi-task Display (PIP), iDrive Retention, Steering Wheel Control Support

Feature	Specification
Connectivity Technology	Bluetooth, Wi-Fi, USB

10. WARRANTY AND SUPPORT

XTRONS products are designed for quality and reliability. For information regarding product warranty, please refer to the warranty card included with your purchase or visit the official XTRONS website.

For technical support, troubleshooting assistance, or inquiries about optional accessories (such as OBD, TPMS, DVR, or AHD Camera), please contact XTRONS customer service or visit their online support portal. Ensure you have your product model number (B0DKHNFWPS) and purchase details ready when seeking support.

Optional Accessories (Sold Separately):

- OBD Function: B09D3DVZVR / B015MU8UN6 / B07X9JXV28 / B08HQ9LQ9X
- TPMS Function: B07WQFKV5G / B07DKB4GD2
- External DVR: B07MBYCG4C
- Reversing AHD Camera: B00GY3BVT6

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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