

flatsons FW2D

Flatsons FW2D Wireless Guitar System User Manual

Model: FW2D

Brand: Flatsons

1. INTRODUCTION

The Flatsons FW2D Wireless Guitar System provides musicians with a reliable and high-fidelity audio transmission solution. Operating on a 2.4GHz frequency, this system is designed to deliver clear sound with ultra-low latency, making it suitable for various instruments including acoustic guitars, electric guitars, bass, and ukuleles. Its innovative features, such as the patented silent plug and intelligent frequency hopping, ensure a seamless and professional performance experience.



Image: The Flatsons FW2D Wireless Guitar System connected to an electric guitar, ready for use.

Key Features:

- **Dynamic Interference Blocking:** Utilizes intelligent frequency modulation and FHSS technology for stable, clear

connections up to 98ft.

- **Ultra-Low Distortion:** 48kHz/16-bit sampling precision and $\leq 0.02\%$ distortion for high-fidelity audio (20Hz-20kHz).
- **Patented Silent Plug:** Automatically mutes audio during plugging/unplugging to prevent harsh "buzz" or "pop" sounds.
- **Multi-Device Support:** Supports up to 4 devices simultaneously across 4 channel groups without cross-talk.
- **Long Battery Life:** Built-in Type-C rechargeable battery provides up to 10 hours of continuous use.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x Flatsons FW2D Wireless Transmitter
- 1 x Flatsons FW2D Wireless Receiver
- 1 x USB-C 2-in-1 Charging Cable
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your FW2D Wireless Guitar System.



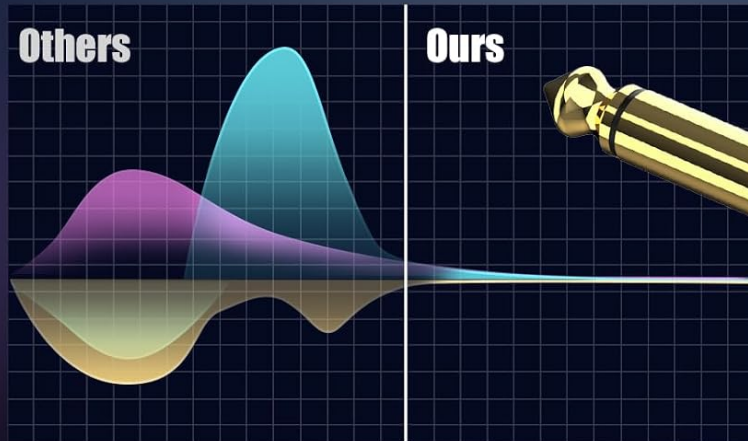
Image: The Flatsons FW2D Wireless Transmitter and Receiver units.

Transmitter (TX) and Receiver (RX)

- **6.35mm Audio Plug:** Connects to your instrument (TX) or amplifier/pedal (RX). Features the patented silent plug design.
- **Power Button:** Press and hold to power on/off. Short press to cycle through channels.
- **Status Indicators (LEDs):**
 - **Battery Level:** Indicates remaining battery charge.
 - **Channel Indicator:** Shows the currently selected channel group.
 - **Pairing Status:** Indicates connection status between TX and RX.
- **USB-C Charging Port:** For recharging the internal lithium-ion battery.

Innovative Mute Patented Design

No More Pops or Hissing During Plug-In / Unplug



MUTE



Image: Detail of the patented silent plug, designed to prevent noise during connection.

4. SETUP INSTRUCTIONS

4.1. Charging the Units

Before first use, fully charge both the transmitter and receiver.

1. Connect the supplied USB-C 2-in-1 charging cable to both the transmitter and receiver.
2. Plug the USB-A end of the cable into a standard USB power adapter (not included) or a computer USB port.
3. The battery indicator LEDs will show charging status. Once fully charged, the LEDs will indicate a full battery.

Large Capacity Rechargeable Lithium Battery



650mAh
Battery



10hrs
Long Runtime



Type-C
Easy Charging

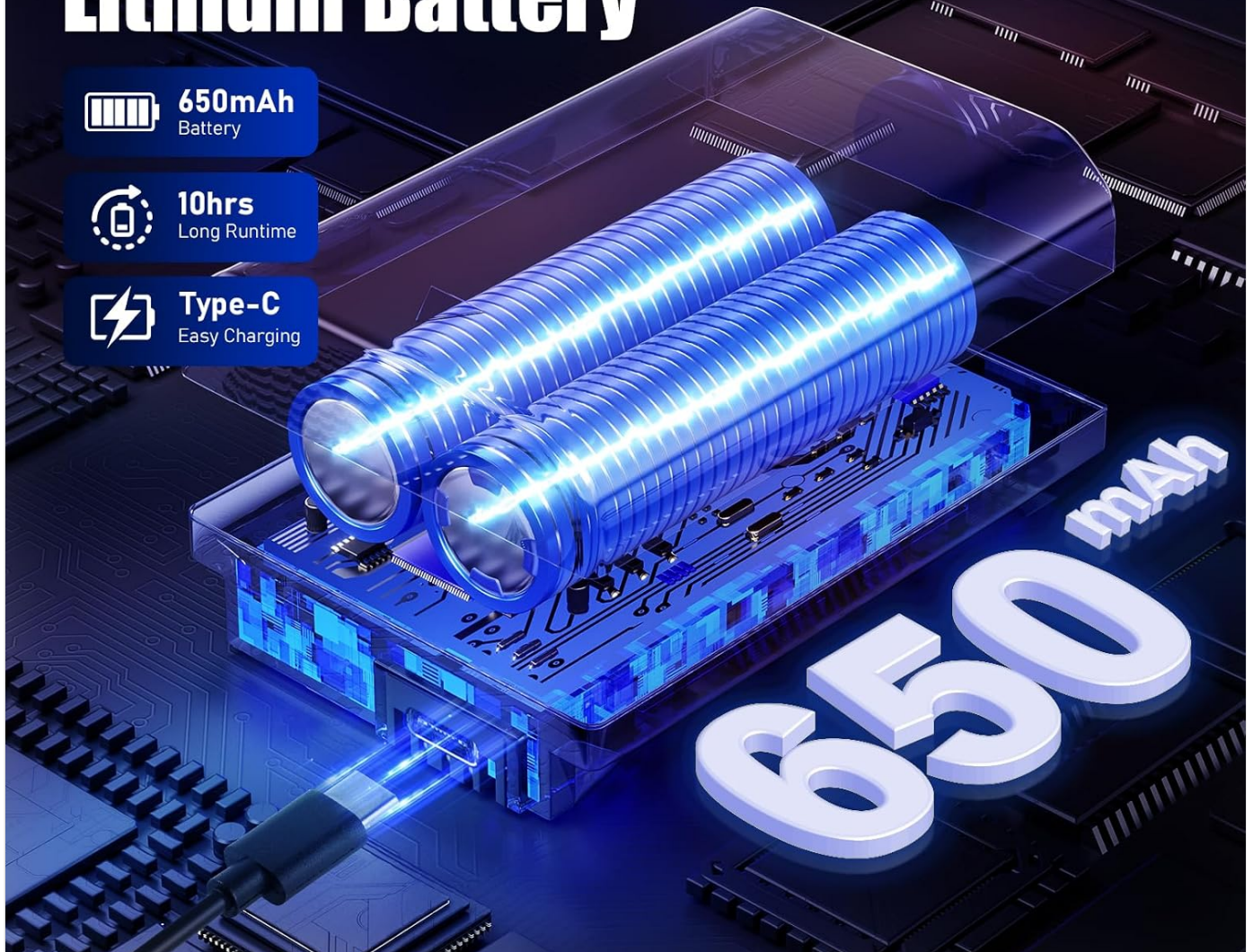


Image: Illustration of the internal 650mAh rechargeable lithium battery, providing up to 10 hours of runtime.

4.2. Pairing the Transmitter and Receiver

The FW2D units are typically pre-paired from the factory. If re-pairing is needed or for multi-device setup:

1. Power on both the transmitter and receiver by pressing and holding their respective power buttons.
2. The units will automatically attempt to pair. The pairing status LEDs will indicate a successful connection.
3. If pairing fails or you wish to change channels, short press the power button on both units simultaneously to cycle through the 4 available channel groups until they connect.

Intelligent Frequency Hopping Technology

Dynamically scans and selects the cleanest frequency, for stable, clear audio



Image: The system dynamically scans and selects the cleanest frequency using intelligent frequency hopping technology.

4.3. Connecting to Instruments and Amplifiers

1. Plug the **transmitter (TX)** into the 6.35mm output jack of your instrument (e.g., guitar, bass, ukulele).
2. Plug the **receiver (RX)** into the 6.35mm input jack of your amplifier, pedal, or mixer.
3. Ensure both units are powered on and successfully paired.

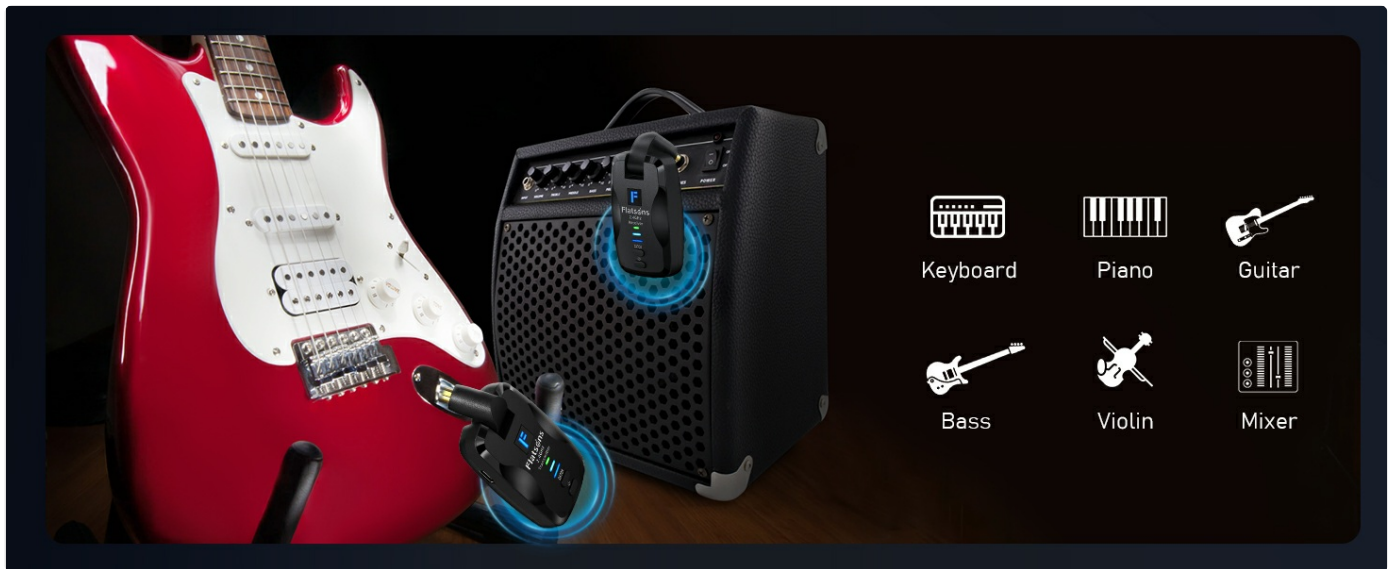


Image: The FW2D system is compatible with a wide range of electronic instruments and audio equipment.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

To power on or off either the transmitter or receiver, press and hold the power button for approximately 2-3 seconds until the indicator lights illuminate or turn off.

5.2. Using the Patented Silent Plug

The FW2D features a unique silent plug design. When you plug or unplug the unit from an instrument or amplifier, the audio signal is automatically cut. This prevents loud "buzz" or "pop" noises, allowing for quiet instrument changes without needing to turn off your amplifier or other gear.

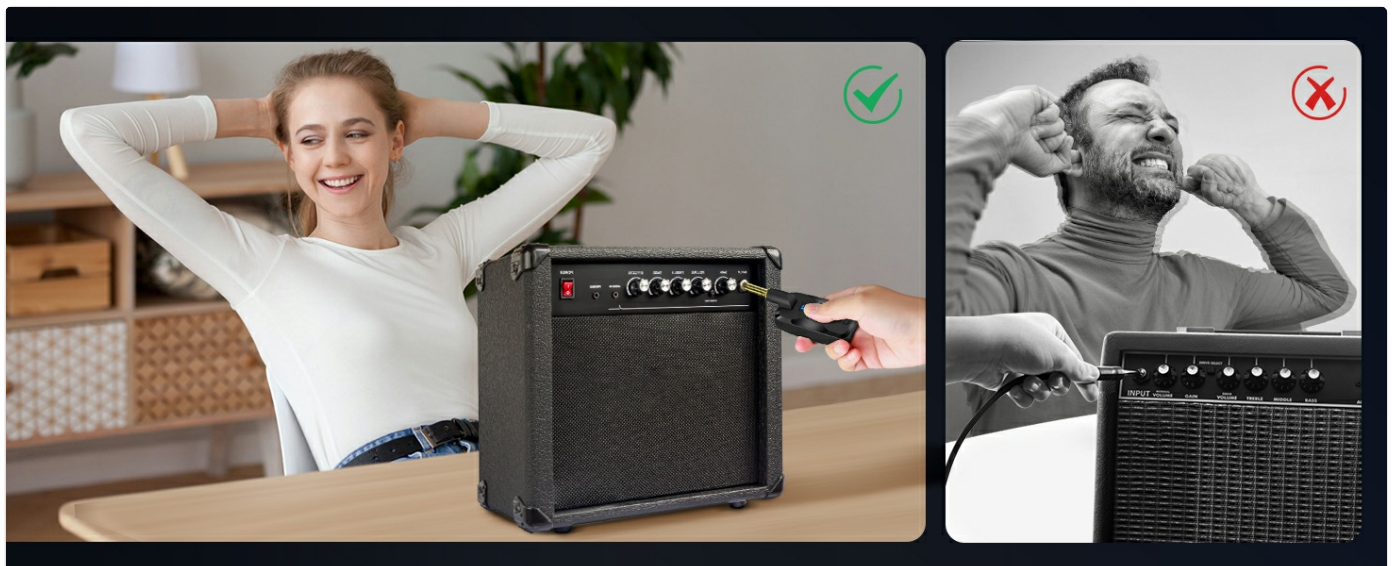


Image: Visual representation of how the silent plug eliminates unwanted noise during connection, compared to a standard plug.

5.3. Multi-Device Operation

The FW2D system supports up to 4 sets of transmitters and receivers operating simultaneously without interference. Each set must be on a different channel group. Additionally, one transmitter can send signals to up to 4 receivers of the same model.

1. For multiple instruments: Ensure each transmitter-receiver pair is set to a unique channel group. Cycle channels by short-pressing the power button until a clear connection is established.
2. For one instrument to multiple amplifiers: Pair one transmitter with multiple receivers (up to 4), ensuring all units are on the same channel group.



Flexible and Reliable Performance

4 Channel Groups

4 Simultaneous Sets

Image: Multiple FW2D receiver units connected to a pedalboard, demonstrating multi-device capability.



Image: An illustration demonstrating how multiple FW2D systems can be used simultaneously for different instruments and amplifiers.

5.4. Wireless Range

The FW2D system offers a stable wireless transmission range of up to 98 feet (approximately 30 meters) in optimal conditions. Performance may vary depending on environmental factors such as obstacles, Wi-Fi interference, and other wireless devices.

Up to 98FT Wireless Range

Play Freely Across 30415 Sq Ft.

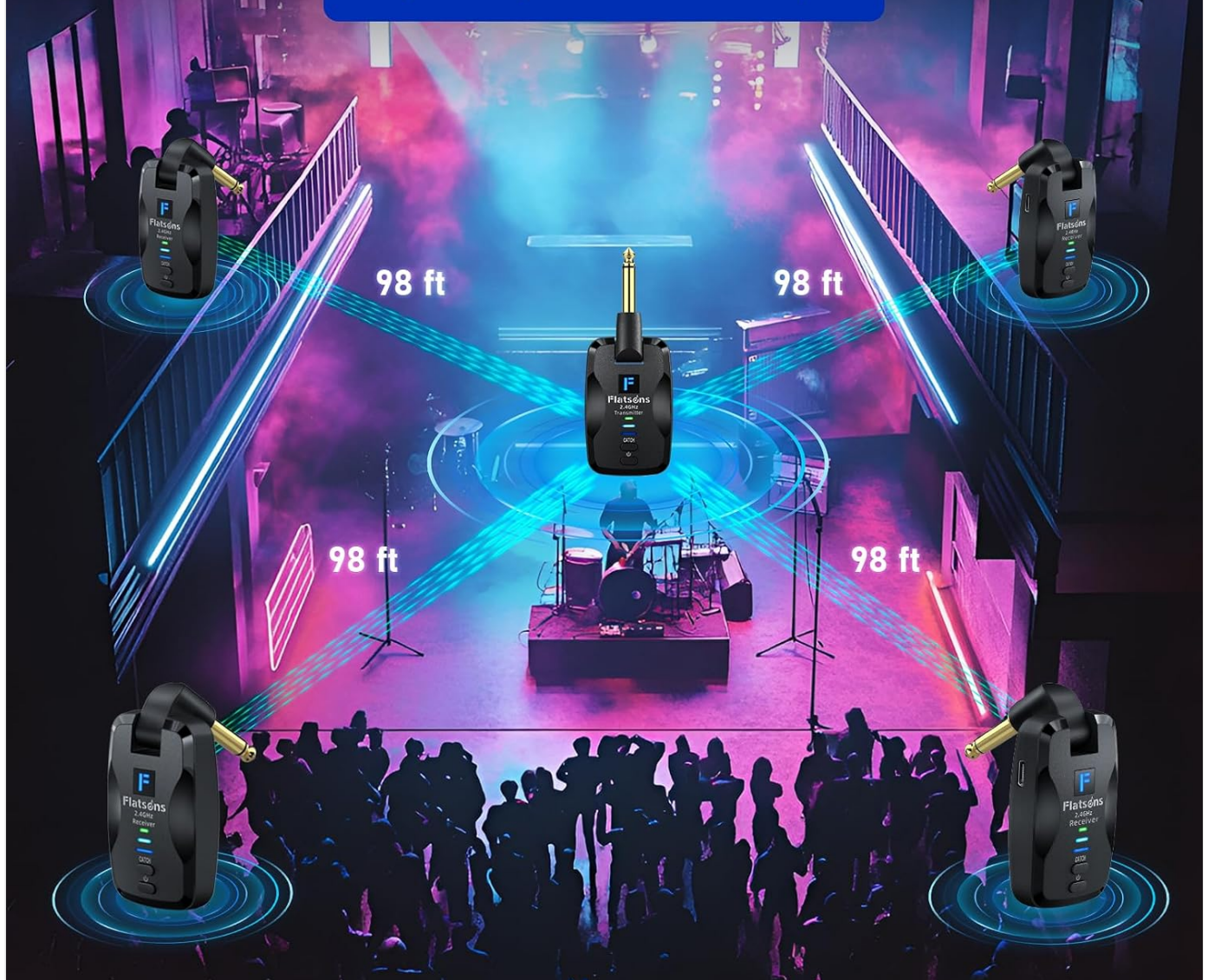


Image: A visual representation of the 98-foot wireless range in an open performance setting.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the units. Do not use abrasive cleaners or solvents.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the units frequently. If storing for extended periods, charge the batteries to about 50% every few months.
- **Avoid Moisture:** Keep the units away from water and high humidity to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound or intermittent audio.	◦ Units not powered on. ◦ Units not paired. ◦ Low battery. ◦ Out of range. ◦ Interference from other 2.4GHz devices. ◦ Incorrect connection.	◦ Ensure both TX and RX are powered on. ◦ Re-pair the units (see Section 4.2). ◦ Charge both units fully. ◦ Move closer to the receiver. ◦ Change the channel group (short press power button). ◦ Verify TX is in instrument, RX in amplifier/pedal.
"Buzz" or "Pop" sound when plugging/unplugging.	Silent plug not functioning correctly or unit not fully inserted.	Ensure the plug is fully inserted. If the issue persists, contact customer support.
Short battery life.	◦ Battery not fully charged. ◦ Aging battery.	◦ Ensure full charge before use. ◦ Battery performance naturally degrades over time.

8. SPECIFICATIONS

Feature	Detail
Model Number	FW2D
Wireless Frequency	2.4GHz ISM Band (with FHSS)
Sampling Precision	48kHz/16-bit
Frequency Response	20Hz - 20kHz
Latency	Approximately 5ms
Distortion	≤0.02%
Wireless Range	Up to 98 feet (30 meters)
Battery Type	Lithium Ion (650mAh)
Battery Life	Up to 10 hours (continuous use)
Charging Port	USB-C
Item Weight	11.3 ounces
Package Dimensions	5.08 x 3.74 x 1.73 inches

Advanced DSP Technology, Unfazed by Complex Environments

48kHz / 16bit

20Hz - 20kHz



Image: Illustration of the advanced DSP technology ensuring high-fidelity audio (48kHz/16bit, 20Hz-20kHz).

9. SAFETY INFORMATION

- Do not disassemble or modify the device.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Keep out of reach of children.
- Use only the provided charging cable or a certified USB-C cable for charging.
- Dispose of batteries according to local regulations.

10. WARRANTY AND SUPPORT

Flatsons is committed to your satisfaction. The FW2D Wireless Guitar System comes with the following:

- **12-Month Product Guarantee:** Covers manufacturing defects and ensures product quality.

- **Lifelong Expert Technical Support:** Access to technical assistance for the lifetime of the product.
- **30-Day Easy Return Policy:** Hassle-free returns within 30 days of purchase.
- **24/7 Customer Service:** Dedicated support available around the clock for any inquiries or issues.

If you encounter any issues or have questions, please reach out to Flatsons customer service for assistance.



Image: Information regarding Flatsons' customer-centric approach, including 24/7 service, 30-day policy, and 12-month guarantee.

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