

Relassy M-300

Relassy 300W LED Grow Light M-300 User Manual

Model: M-300

1. INTRODUCTION

Thank you for choosing the Relassy 300W LED Grow Light, Model M-300. This product is designed to provide optimal lighting conditions for indoor plants, promoting healthy growth for vegetables, flowers, and other plant types across all growth stages. Featuring a full spectrum of blue, red, and white light, high-quality LED chips, and an efficient heat dissipation system, this grow light is an energy-saving solution for your indoor gardening needs.

Please read this manual thoroughly before installation and operation to ensure safe and effective use of your new grow light.

2. SAFETY INFORMATION

- This product is designed for **indoor use only**. Do not expose to water or high humidity.
- Ensure the power supply is disconnected before installation, cleaning, or maintenance.
- Do not look directly at the operating LED lights. The intense light can cause eye strain or damage.
- Keep the grow light away from flammable materials.
- Do not attempt to disassemble or modify the unit. This will void the warranty and may cause electrical hazards.
- Ensure proper ventilation around the unit to prevent overheating, although the design includes efficient passive cooling.
- Use only the provided power cable and hanging accessories.

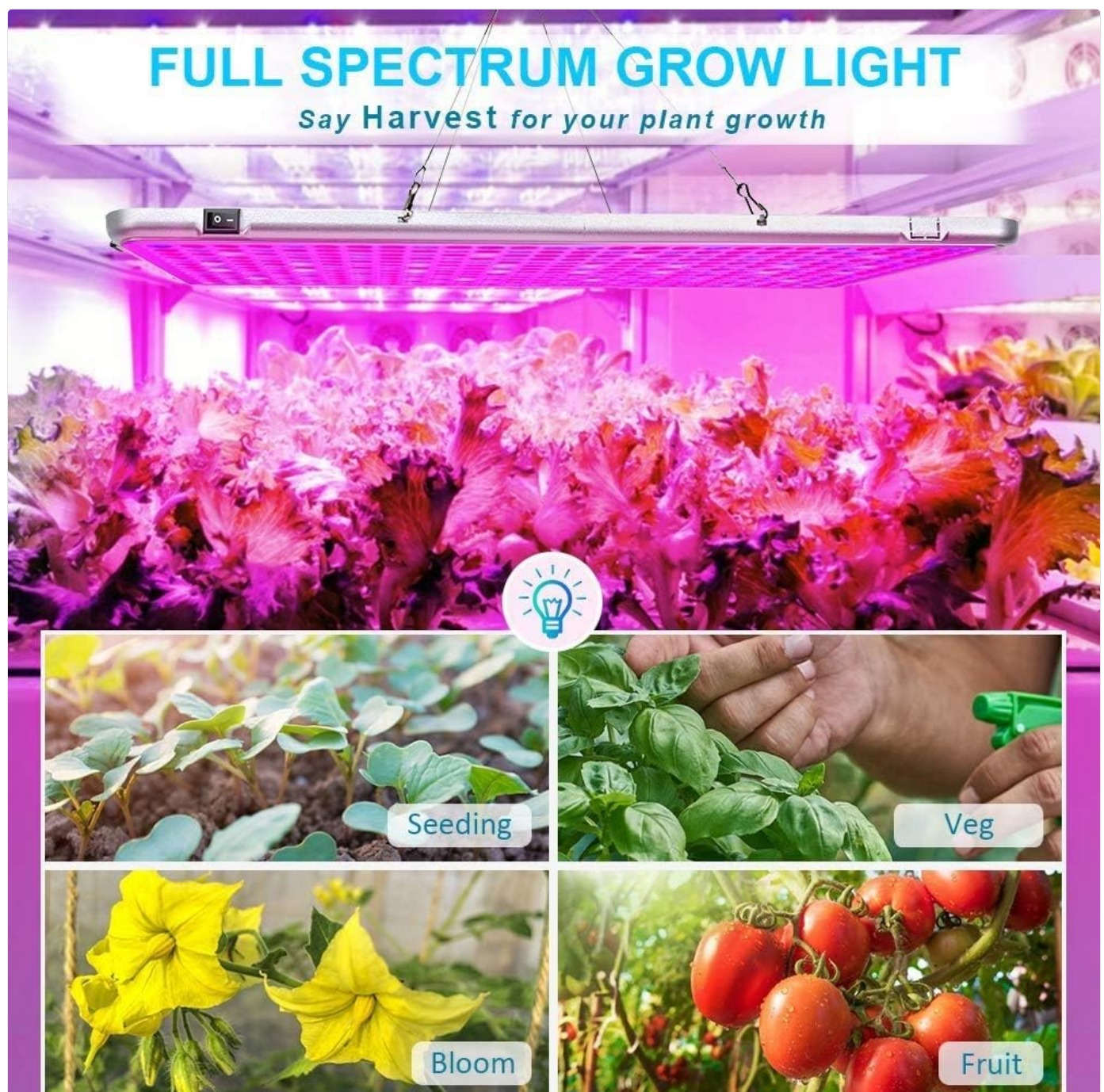
3. PACKAGE CONTENTS

- Relassy 300W LED Grow Light (Model M-300)
- Metal hook with rust protection
- Connection cable (power cord)

4. SETUP

The Relassy M-300 LED Grow Light offers flexible installation options, including hanging or wall mounting. Follow these steps for safe and secure setup:

1. **Unpack the Grow Light:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Choose Installation Method:**
 - **Hanging:** Attach the provided metal hooks and cables to the designated hanging points on the grow light. Securely hang the light from a sturdy support structure (e.g., ceiling, grow tent frame) using the cables. Ensure the light is level and stable.
 - **Wall Mounting:** The foldable design allows for various mounting configurations. Use appropriate hardware (not included) to securely fix the light to a wall, ensuring it is stable and cannot fall.
3. **Positioning:** Adjust the height of the grow light above your plants. Refer to the operating instructions for recommended distances based on plant growth stage.
4. **Connect Power:** Once the light is securely installed, connect the power cable to the grow light and then plug it into a suitable electrical outlet. Ensure the outlet matches the voltage requirements of the light.



5. OPERATING INSTRUCTIONS

The Relassy M-300 LED Grow Light is designed for ease of use. Simply connect it to power, and it will illuminate. For optimal plant growth, consider the following:

1. **Power On/Off:** The light features a simple power switch. Once plugged in, toggle the switch to turn the light on or off. For automated cycles, an external timer (not included) can be used.
2. **Light Spectrum:** This grow light utilizes 338 high-quality LED chips, providing a full spectrum of blue, red, and white light. This spectrum is crucial for photosynthesis and supports all stages of plant development, from seeding to flowering and fruiting.
3. **Recommended Hanging Height:** The optimal distance between the grow light and your plants varies depending on the growth stage and desired light intensity (PAR - Photosynthetically Active Radiation). The 90° reflector design helps focus light and minimize loss, ensuring up to 99% light absorption by plants.

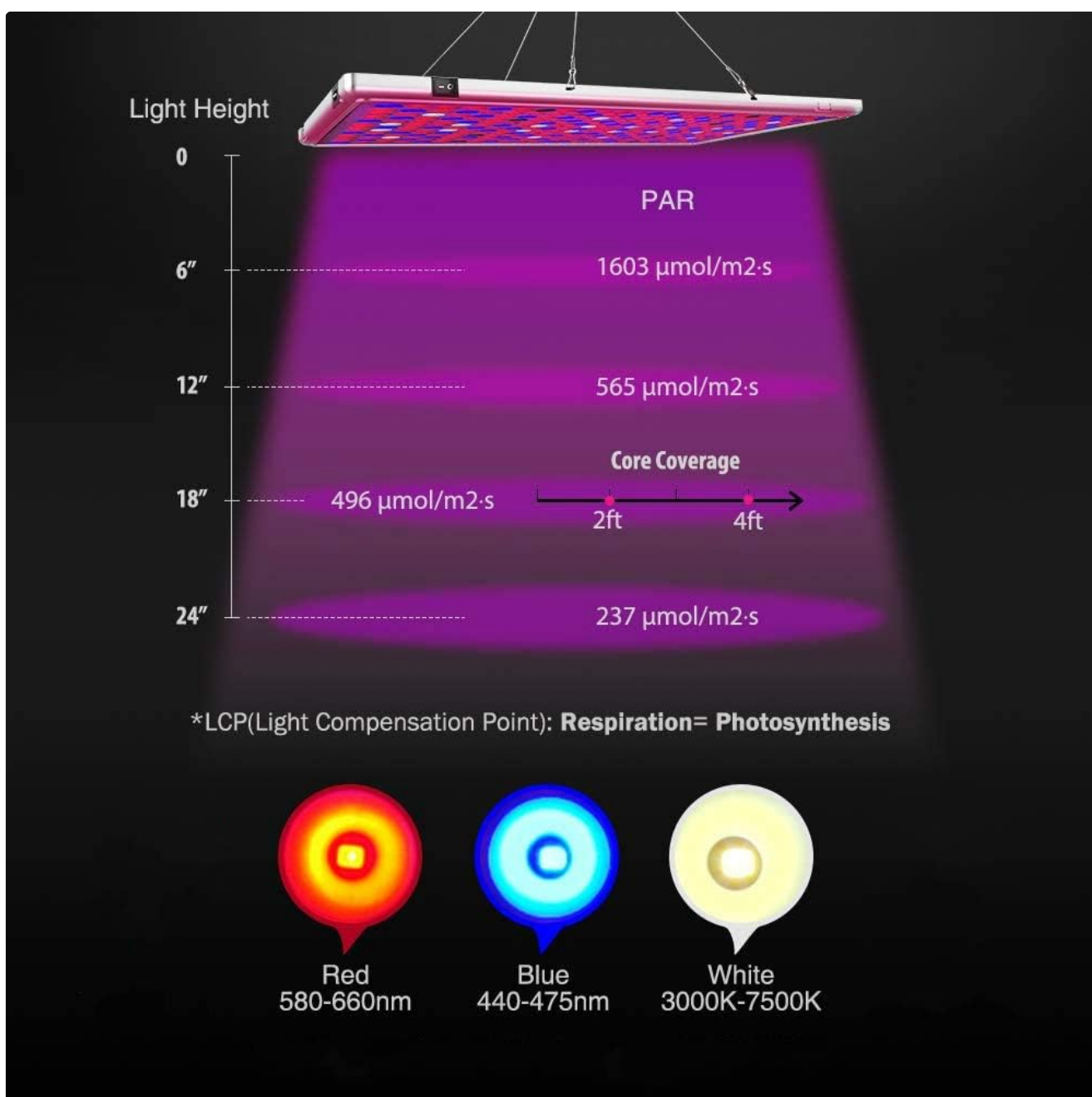


Figure 5.1: PAR (Photosynthetically Active Radiation) values at various hanging heights. Adjust height to achieve desired light intensity for different plant stages.

- **Seeding/Germination:** 18-24 inches (45-60 cm) above plants.
- **Vegetative Growth:** 12-18 inches (30-45 cm) above plants.
- **Flowering/Fruiting:** 6-12 inches (15-30 cm) above plants.

Monitor your plants for signs of stress (e.g., leaf burn if too close, stretching if too far) and adjust the height accordingly.

4. **Lighting Schedule:** Plants require a period of darkness. A common lighting schedule is 12-18 hours of light per day, depending on the plant type and growth stage. Use an external timer for consistent cycles.

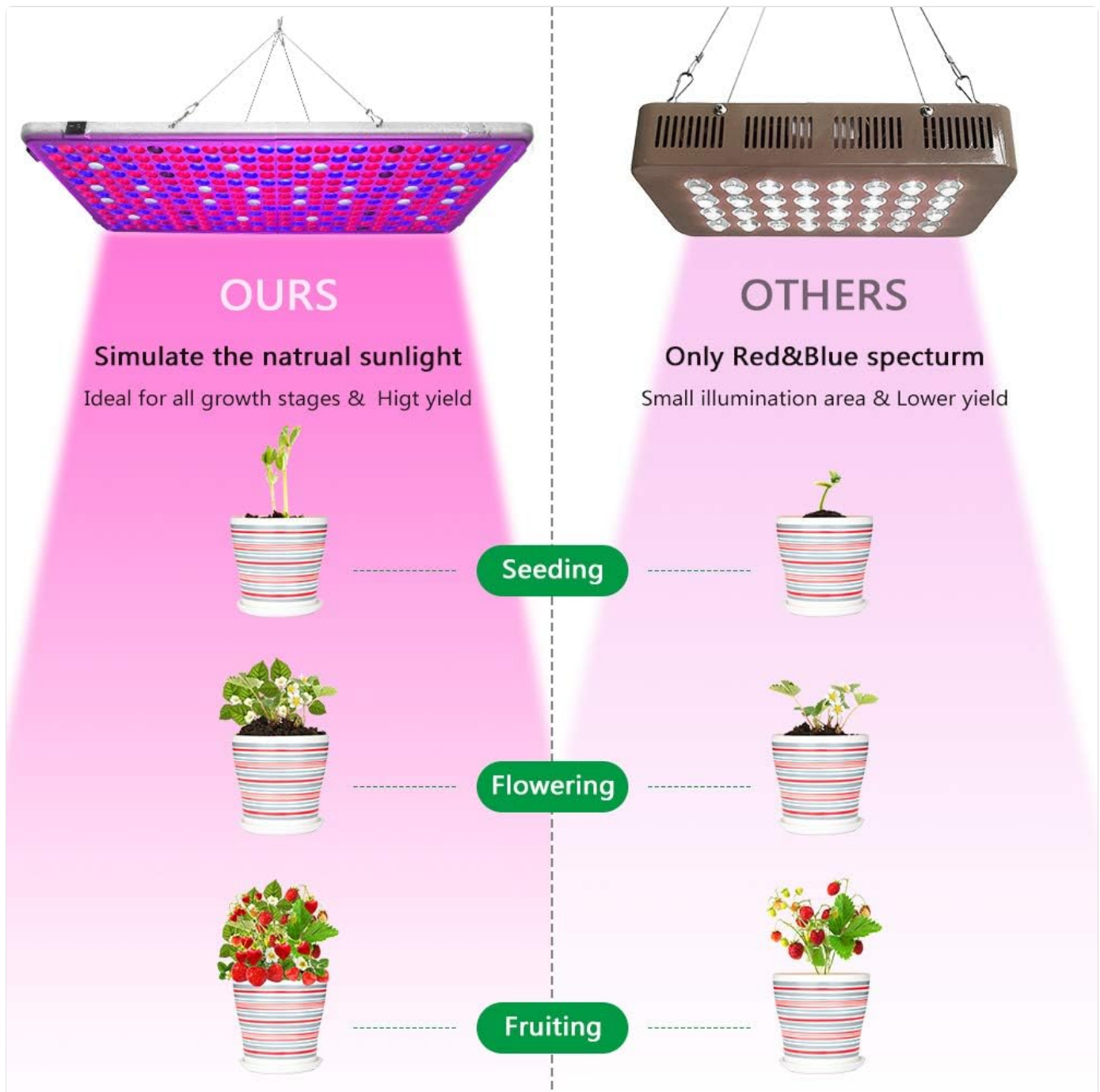


Figure 5.2: Illustration of plant growth stages (seeding, flowering, fruiting) and the benefits of the Relassy full-spectrum grow light compared to lights with limited red/blue spectrum.

6. MAINTENANCE

The Relassy M-300 LED Grow Light is designed for durability and low maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Ensure the light is unplugged and cool before cleaning. Gently wipe the surface of the light and LEDs with a soft, dry cloth to remove dust and debris. Do not use harsh chemicals or abrasive cleaners.
- **Heat Dissipation:** The grow light features an aerospace aluminum body for efficient heat dissipation without the need for fans, ensuring silent operation and a lifespan of over 50,000 hours. Ensure that the aluminum surface is not obstructed to allow for proper cooling.
- **Storage:** If storing the grow light for an extended period, ensure it is clean, dry, and stored in a cool, dry place. The foldable design allows for space-saving storage.

7. TROUBLESHOOTING

If you encounter issues with your Relassy M-300 LED Grow Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power, loose connection, faulty outlet	Check power cable connection. Ensure the power switch is ON. Test the outlet with another device.
Poor plant growth	Incorrect hanging height, insufficient light duration, other environmental factors (water, nutrients, temperature)	Adjust hanging height according to plant stage (refer to Section 5). Ensure adequate light cycle (12-18 hours). Check other growing conditions.
Light flickers	Unstable power supply, loose connection	Ensure the power cable is securely connected. Try plugging into a different outlet.
Unit feels excessively hot	Obstructed ventilation, prolonged use in high ambient temperature	Ensure no objects are blocking the aluminum heat sink. Operate in a well-ventilated area. The unit is designed for efficient heat dissipation, but extreme conditions can affect it.

If the problem persists after trying these solutions, please contact customer support.

8. SPECIFICATIONS

The following table details the technical specifications of the Relassy 300W LED Grow Light M-300:

Feature	Detail
Model Number	M-300
Brand	Relassy
Dimensions (unfolded)	56.2 x 30 x 1.8 cm (22.1 x 11.8 x 0.7 inches)
Weight	1.6 Kilograms (3.5 lbs)
Material	Aluminum
Number of LEDs	338
Light Spectrum	Full Spectrum (Blue, Red, White)
Actual Power Consumption	65W (Equivalent to 300W HPS/MH)

Feature	Detail
Luminous Flux	4333 lm
Voltage	2 Volts (Input voltage range typically 100-240V AC)
Lifespan	Over 50,000 hours
Special Features	Foldable design, 90° reflector, silent operation
Certifications	CE / ROHS / FCC



Figure 8.1: Detailed dimensions of the Relassy 300W LED Grow Light.



Figure 8.2: Exploded view showing the internal components, including the temperature control system, LEDs, and the 90° reflector for enhanced light utilization.

9. WARRANTY AND SUPPORT

Relassy products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation for specific warranty terms and duration.

For technical support, warranty claims, or any questions regarding your Relassy 300W LED Grow Light, please contact the seller or Relassy customer service through the platform where you purchased the product. Provide your model number (M-300) and purchase details for faster assistance.

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