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› LUXPRO PSM30SA Mechanical Heat Only Thermostat Instruction Manual

LUXPRO PSM30SA

LUXPRO PSM30SA Mechanical Heat Only Thermostat Instruction Manual

Comprehensive guide for installation, operation, and maintenance of your LUXPRO PSM30SA thermostat.

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your LUXPRO PSM30SA Mechanical Heat Only Thermostat. Designed for simplicity and reliability, this thermostat offers precise temperature control for heating systems. Please read this manual thoroughly before proceeding with installation or operation to ensure proper function and safety.

2. PRODUCT OVERVIEW

The LUXPRO PSM30SA is a mechanical, non-programmable thermostat specifically designed for heat-only systems. It features a snap-action mechanism for quick and reliable operation and an adjustable heat anticipator for optimal comfort control. Its user-friendly design ensures ease of use.

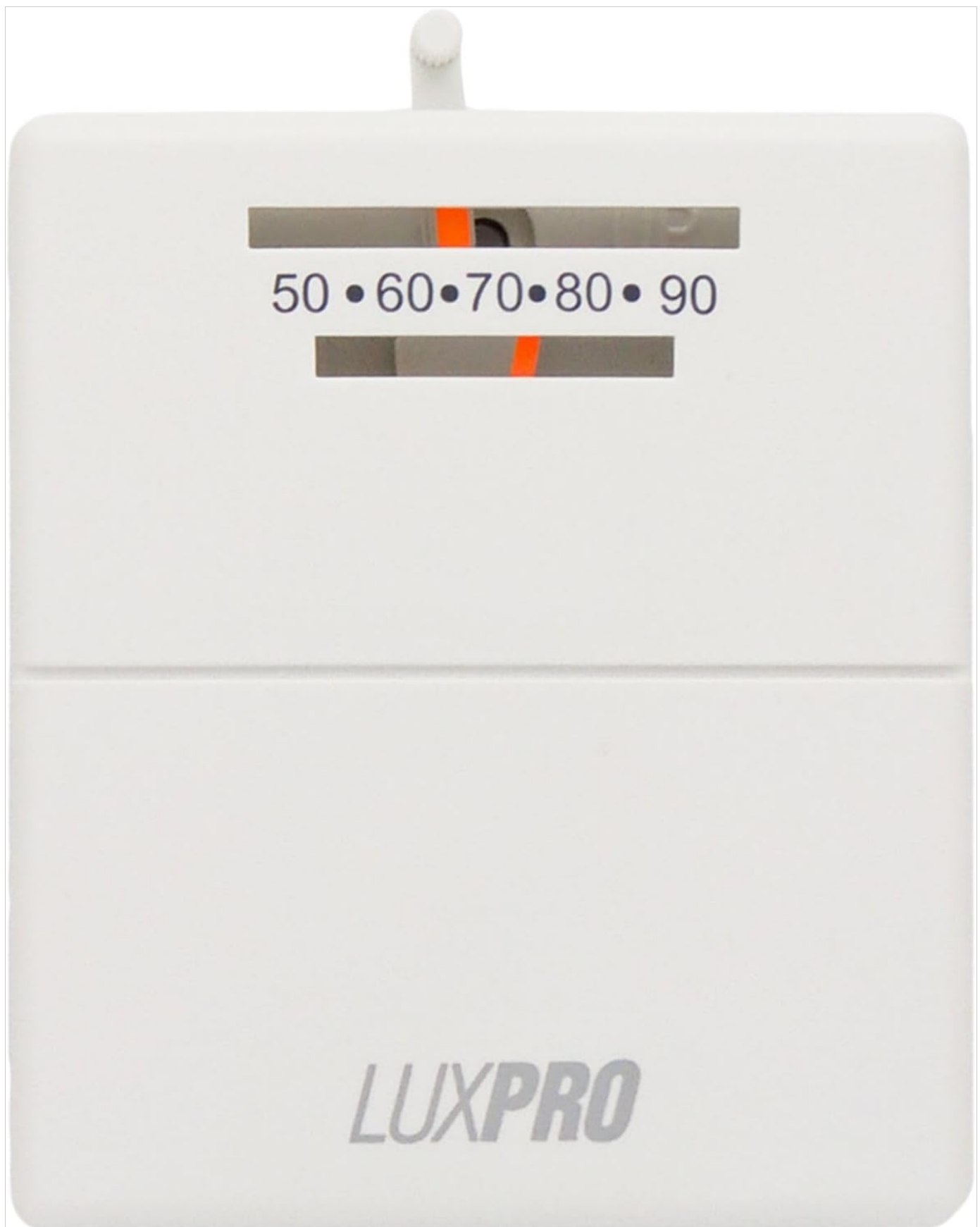


Figure 1: Front view of the LUXPRO PSM30SA Mechanical Thermostat. The thermostat is white with a clear window displaying a temperature scale from 50 to 90 degrees Fahrenheit, with an orange indicator for the current setting. The LUXPRO logo is visible at the bottom.

Perfect for any home environment

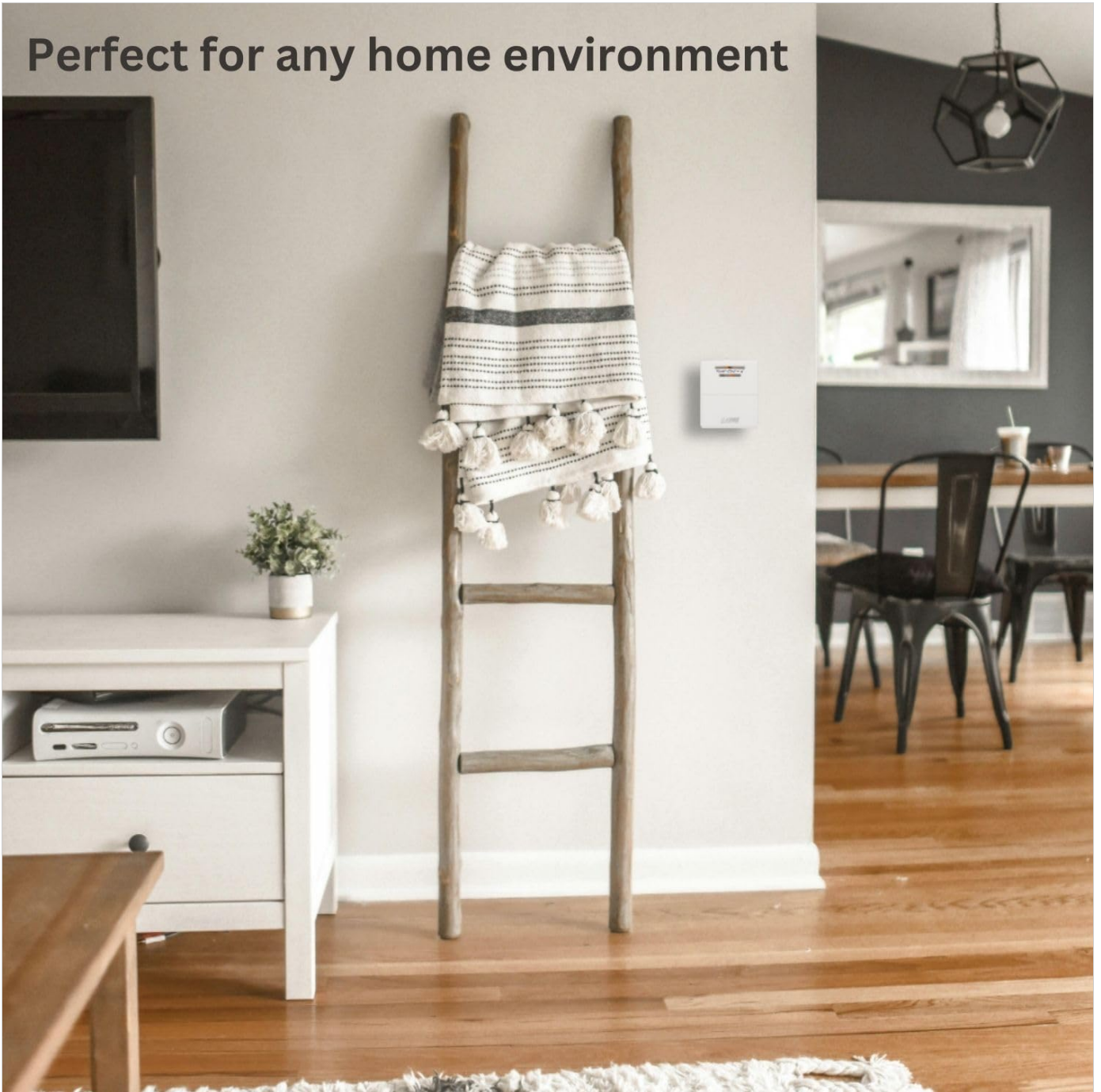


Figure 2: The LUXPRO PSM30SA Thermostat installed on a wall in a contemporary home environment, demonstrating its discreet and functional design.

3. KEY FEATURES

- **Quick and Reliable Operation:** Equipped with a Snap Action Mechanism for responsive temperature control.
- **User-Friendly Design:** Simple controls for straightforward temperature adjustments.
- **Adjustable Heat Anticipator:** Allows for fine-tuning of heating cycles to enhance comfort.
- **5-Year Limited Warranty:** Provides assurance of product quality and durability.



Figure 3: The LUXPRO PSM30SA Thermostat displayed with icons indicating it is for Heat Only systems, is Mercury-Free, and carries a 3-Year Limited Warranty.

4. SYSTEM COMPATIBILITY

The LUXPRO PSM30SA thermostat is designed for specific heating systems. Please review the compatibility information below to ensure it is suitable for your HVAC setup.

System Compatability

HEAT (24V) COMPATIBLE

- ✓ Gas/ Oil/ Electric Furnace - Heating only
- ✓ Gas/ Oil/ Electric Furnace - Single Stage
- ✓ 2-wire Hydronic (Hot Water)
- ✓ 750 Milivolt
- ✓ Gas Fireplaces (24V)

NOT COMPATIBLE WITH:

- X Heat Pump Multistage
- X Radiant Ceiling Heat
- X Electric Baseboards
- X Heat Pump w/ Auxiliary Heat
- X Portable space heaters
- X 3-wire Hydronic (Hot Water)
- X Gas/ Oil/ Electric Furnace - Multistage
- X Cool Multistage
- X Cooling only
- X Single stage cooling
- X Plug-in air conditioners
- X Heat Pump w/o Auxiliary Heat

Figure 4: A chart detailing the system compatibility for the LUXPRO PSM30SA thermostat. It clearly lists compatible heating systems (e.g., Gas/Oil/Electric Furnace - Heating only, 2-wire Hydronic, 750 Millivolt, Gas Fireplaces) and incompatible systems (e.g., Heat Pump Multistage, Cooling only, Electric Baseboards).

Compatible Systems (Heat 24V):

- Gas/Oil/Electric Furnace - Heating only (Single Stage)
- 2-wire Hydronic (Hot Water)
- 750 Millivolt systems
- Gas Fireplaces (24V)

Not Compatible With:

- Heat Pump Multistage
- Radiant Ceiling Heat
- Electric Baseboards
- Heat Pump with Auxiliary Heat
- Portable space heaters

- 3-wire Hydronic (Hot Water)
- Gas/Oil/Electric Furnace - Multistage
- Cool Multistage
- Cooling only systems
- Single stage cooling systems
- Plug-in air conditioners
- Heat Pump without Auxiliary Heat

5. SETUP AND INSTALLATION

Safety First: Before beginning installation, ensure the power to your heating system is turned off at the main circuit breaker or fuse box. Failure to do so can result in electrical shock or equipment damage.

5.1 Tools Required:

- Screwdriver (Phillips and/or flathead)
- Wire strippers
- Drill (if new mounting holes are needed)
- Level (optional, for aesthetic alignment)

5.2 Removing Your Old Thermostat:

1. Turn off power to the heating system at the circuit breaker.
2. Remove the cover of your old thermostat.
3. Take a picture of the wiring connections for reference.
4. Disconnect the wires one by one, labeling each wire with the terminal it was connected to (e.g., R, W).
5. Unscrew and remove the old thermostat base from the wall.

5.3 Mounting the New Thermostat:

1. Separate the new thermostat from its base.
2. Position the thermostat base on the wall where the old thermostat was. Use the included decorative wall plate if needed to cover marks.
3. Mark the new mounting holes if they do not align with existing ones.
4. Drill pilot holes if necessary and secure the thermostat base to the wall using the provided screws.

5.4 Wiring the Thermostat:

The PSM30SA is a 2-wire heat-only thermostat. Typically, you will connect your heating system's two wires to the R and W terminals on the thermostat base. Refer to the wiring diagram provided with your thermostat packaging for specific connections.

- Connect the wire from the heating transformer (usually R or Rh) to the 'R' terminal.
- Connect the wire from the heating valve/relay (usually W) to the 'W' terminal.
- Ensure all connections are secure.

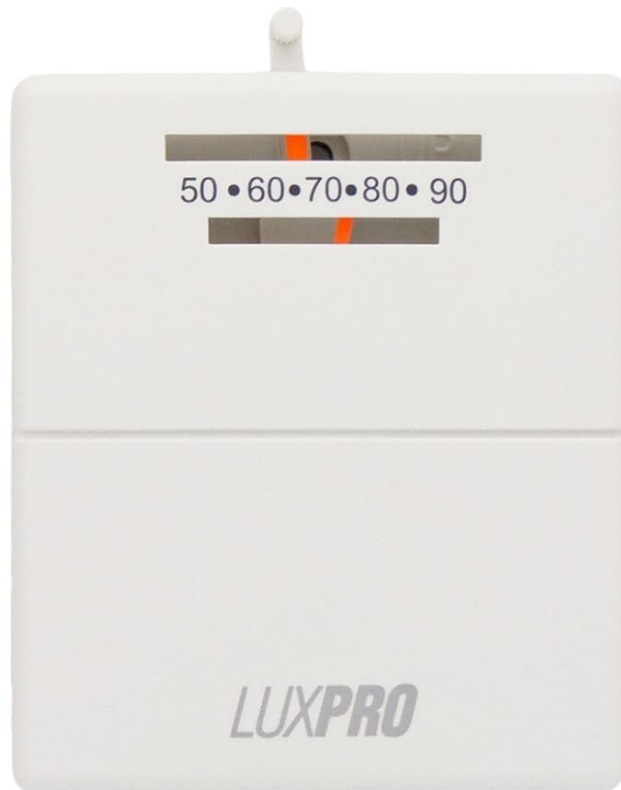
5.5 Completing Installation:

1. Carefully push any excess wire back into the wall opening.
2. Attach the thermostat body to its base, ensuring it snaps securely into place.
3. Restore power to the heating system at the circuit breaker.

6. OPERATING INSTRUCTIONS

The LUXPRO PSM30SA thermostat is designed for simple, manual operation.

Simple & Intuitive controls



Customizable settings for your needs

Figure 5: The LUXPRO PSM30SA Thermostat, highlighting its simple and intuitive controls and customizable settings. The image shows the thermostat's front face with the temperature dial.

6.1 Setting the Temperature:

- Locate the temperature setting lever or dial on the front of the thermostat.
- Move the lever or rotate the dial to your desired temperature setting. The thermostat will activate the heating system when the room temperature falls below this set point.

6.2 Heat Anticipator Adjustment:

The heat anticipator helps to prevent temperature overshoots and provides more consistent comfort. This is typically a small adjustable lever or screw located behind the thermostat cover or on the base plate. Adjust it according to your heating system's cycle length. Shorter cycles may require a lower setting, while longer cycles may require a higher

setting. Consult your heating system's manual or a qualified technician if you are unsure about this adjustment.

7. MAINTENANCE

The LUXPRO PSM30SA thermostat requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Dust Removal:** Gently remove the thermostat cover and use a soft brush or compressed air to clear any dust accumulation from the internal components, especially around the bimetallic coil or sensor. Ensure power is off before doing this.
- **Avoid Obstructions:** Ensure no furniture, curtains, or other objects block airflow around the thermostat, as this can affect its temperature readings.

8. TROUBLESHOOTING

If you experience issues with your LUXPRO PSM30SA thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Heating system does not turn on.	◦ No power to the heating system. ◦ Thermostat set below room temperature. ◦ Loose wiring connections. ◦ Blown fuse or tripped circuit breaker.	◦ Check circuit breaker/fuse. ◦ Raise the thermostat set point. ◦ Verify wiring connections are secure (ensure power is off first). ◦ Reset breaker or replace fuse.
Heating system runs continuously or cycles too frequently/infrequently.	◦ Incorrect heat anticipator setting. ◦ Thermostat location affected by drafts or heat sources.	◦ Adjust the heat anticipator (refer to section 6.2). ◦ Relocate thermostat or shield it from drafts/heat sources.
Inaccurate temperature readings.	◦ Dust accumulation inside thermostat. ◦ Thermostat exposed to direct sunlight or drafts.	◦ Clean internal components (ensure power is off). ◦ Ensure thermostat is not in direct sunlight or drafty areas.

If problems persist after attempting these solutions, contact a qualified HVAC technician or LUX customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	LUX
Model Number	PSM30SA
Controller Type	Push Button (manual dial adjustment)

Feature	Detail
Special Feature	Snap Action Mechanism, Adjustable heat anticipator
Color	White
Temperature Control Type	Heating
Included Components	Decorative wall plate
Power Source	Hardwire
Voltage	24 Volts (DC)
Shape	Rectangular
Display Type	Manual
Finish Type	Matte
Control Type	Button Control (manual dial adjustment)
Control Method	Touch (manual adjustment)
Mounting Type	Wall Mount
Backlight	No
UPC	021079980307
Manufacturer	EME Delaware
Product Dimensions	3.75 x 3.25 x 1.25 inches
Item Weight	0.96 ounces

10. WARRANTY INFORMATION

The LUXPRO PSM30SA Mechanical Heat Only Thermostat comes with a **5-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use and service. For specific terms and conditions, or to make a warranty claim, please refer to the warranty card included with your product or visit the official LUXPRO website.

11. CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact LUXPRO customer service. Contact information can typically be found on the product packaging or the official LUXPRO website.
Online Resources: Visit the [LUX Store on Amazon](#) for additional product information and support.

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

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