

Oregon Scientific RM336PES

Oregon Scientific RM-336-PES Solar Projection Clock User Manual

INTRODUCTION

This manual provides instructions for the setup, operation, and maintenance of your Oregon Scientific RM-336-PES Solar Projection Clock. This device features a radio-controlled clock for accurate timekeeping, a projection function to display time on a surface, and a solar panel for recharging internal batteries, enabling continuous projection.

1. SETUP

1.1 Unpacking and Initial Placement

Carefully remove the clock from its packaging. Place the clock in a location where the detachable solar panel can receive direct sunlight for optimal charging. The solar panel is splash-resistant.

1.2 Powering the Clock

The clock is primarily powered by rechargeable batteries, which are charged via the integrated solar panel. Ensure the solar panel is connected and exposed to light. A full charge (approximately 6 hours of direct sunlight) can provide power for up to 2 months of daily use or 1 week of continuous projection.

Note: An AC adapter is not typically included with this model. For continuous projection without sufficient solar charge, an appropriate 5V, 300mA AC adapter (sold separately) may be required.

1.3 Automatic Time Synchronization (Radio-Controlled)

Upon initial power-up, the clock will attempt to synchronize its time with a radio signal. This process may take several minutes. Ensure the clock is placed away from sources of interference (e.g., televisions, computers).

1.4 Setting Up Projection

Adjust the projection lens to direct the time display onto a ceiling or wall. The projection color is red. The projection can operate without the AC adapter connected, relying on the solar-charged batteries.



Image 1: Front view of the Oregon Scientific RM-336-PES Solar Projection Clock, showing the LCD display with time and temperature, and the red time projection on a surface above it.

2. OPERATING THE CLOCK

2.1 Manual Time and Date Setting

In case radio synchronization is unavailable or you wish to set the time manually, refer to the specific buttons on your device (e.g., MODE, SET, UP, DOWN) to adjust hours, minutes, and date. Consult the full manual for detailed button functions.

2.2 Alarm Function

- **Setting Alarm:** Use the ALARM button to enter alarm setting mode. Adjust the desired alarm time using the UP/DOWN buttons.
- **Activating/Deactivating Alarm:** Press the ALARM button repeatedly to toggle the alarm on or off. An alarm icon will appear on the display when active.
- **Snooze Function:** When the alarm sounds, press the SNOOZE button to temporarily silence it. The alarm will sound again after a set interval.
- **Crescendo Alarm:** The alarm volume will gradually increase to gently wake you.

2.3 Projection Control

- **Activating Projection:** Press the PROJECTION button to turn the time projection on or off.
- **Continuous Projection:** The solar panel's stored energy allows for continuous projection throughout the night.
- **Automatic Shut-off:** The projection will automatically turn off when there is sufficient ambient light, conserving battery power.
- **Projection Duration:** Projection typically lasts for 60 minutes after the last reset and 15 minutes before the alarm sounds.

2.4 Display Dimmer

The LCD screen features a dimmer function. Use the dedicated DIMMER button (if available) or a combination of buttons to adjust the display brightness to your preference.

3. MAINTENANCE

3.1 Cleaning

Wipe the clock and solar panel with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the surfaces. Ensure

the solar panel is clean for efficient charging.

3.2 Solar Panel Care

The solar panel is designed to be durable and splash-resistant. For optimal performance, ensure it is free from dust and obstructions. The panel is easy to detach for cleaning or repositioning.

3.3 Battery Information

The clock uses internal rechargeable batteries. If the clock's performance degrades significantly despite adequate solar charging, the batteries may need replacement. Consult Oregon Scientific customer support for battery replacement options.

4. TROUBLESHOOTING

Problem	Possible Cause	Solution
Clock display is blank or dim.	Low battery charge. Insufficient light for solar panel.	Ensure solar panel receives direct sunlight for several hours. If available, connect an appropriate 5V, 300mA AC adapter.
Time projection is not visible or too dim.	Insufficient battery charge. Projection lens misaligned. Room too bright.	Charge batteries via solar panel or AC adapter. Adjust projection lens. Ensure room is dark enough for projection.
Clock time is inaccurate or not setting automatically.	Poor radio signal reception. Interference from other electronics.	Relocate the clock to an area with better radio signal reception, away from electronic devices. Attempt manual time setting if automatic synchronization fails.
Alarm does not sound.	Alarm not activated. Volume too low (if adjustable).	Ensure the alarm icon is displayed on the screen. Check alarm settings.
Buttons are unresponsive.	Low battery. Device malfunction.	Ensure batteries are charged. Perform a soft reset (if applicable, by removing and reinserting batteries or pressing a reset button). If issues persist, contact support.

5. SPECIFICATIONS

Feature	Detail
Model Number	RM336PES
Brand	Oregon Scientific
Dimensions (L x W x H)	10.01 x 10.01 x 10.01 cm (approximately 3.94 x 3.94 x 3.94 inches)
Weight	340.19 grams (approximately 0.75 lbs)
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	Black
Display Type	Analog (LCD display)
Special Features	Temperature display, Alarm, Time Projection, Radio-Controlled Clock, Solar Charging
Power Source	Rechargeable Batteries (via Solar Panel)
Movement Type	Quartz
Operating Mode	Atomic
Indoor/Outdoor Use	Indoor

6. WARRANTY INFORMATION

Oregon Scientific products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Oregon Scientific website. Keep your purchase receipt as proof of purchase for any warranty claims.

7. CUSTOMER SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact Oregon Scientific customer support. Contact details can typically be found on the official Oregon Scientific website or on the product packaging.

ASK A QUESTION ABOUT THIS MANUAL

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