Oregon Scientific RM313PNF-W

Oregon Scientific Projection Clock RM313PNF-W User Manual

Model: RM313PNF-W

1. Introduction

Thank you for choosing the Oregon Scientific Projection Clock RM313PNF-W. This manual provides detailed instructions for setting up, operating, and maintaining your new projection clock. Please read this manual thoroughly before use to ensure proper functionality and to maximize your product experience.

2. Product Overview

The Oregon Scientific RM313PNF-W is a versatile digital projection clock designed to display time, date, and indoor temperature. Key features include a red projection light with a 180-degree flip function, an LED backlight, and an alarm. It can be powered by an AC adapter for continuous projection or by batteries for backup.

Figure 2.1: Front view of the Oregon Scientific RM313PNF-W Projection Clock, showing its digital display and the projected time.

3. Setup

3.1 Powering the Unit

The clock can be powered by the included AC adapter for continuous operation and projection, or by batteries for backup power.

1. **AC Adapter:** Connect the AC adapter to the DC jack on the back of the clock and plug it into a standard wall outlet.
2. **Batteries:** Open the battery compartment cover on the bottom of the clock. Insert 2 AAA batteries, ensuring correct polarity (+ and -). Close the battery compartment. Batteries serve as a backup in case of power outage and do not power continuous projection.

3.2 Initial Setup and Time Synchronization

Upon initial power-up or after battery installation, the clock will attempt to synchronize with the radio-controlled time signal. This process may take several minutes. Ensure the clock is placed away from sources of

interference.

- Place the clock in an open area, away from electronic devices that may cause interference.
- The clock will automatically search for the radio signal and set the time and date.
- If synchronization fails, refer to the manual time setting instructions in Section 4.1.

Figure 3.1: The projection clock positioned on a bedside table, demonstrating its projection feature.

4. Operating the Clock

4.1 Setting Time and Date Manually

In case the radio-controlled time synchronization is unavailable or if you need to adjust the time manually:

1. Press and hold the **MODE** button until the time display flashes.
2. Use the **+** or **-** buttons to adjust the hour. Press **MODE** to confirm.
3. Repeat the process for minutes, year, month, and day.
4. Press **MODE** again to exit the setting mode.

4.2 Alarm Function

To set the alarm:

1. Press the **ALARM** button once to display the current alarm time.
2. Press and hold the **ALARM** button until the alarm time flashes.
3. Use the **+** or **-** buttons to adjust the alarm hour and minutes.
4. Press **ALARM** to confirm and activate the alarm. An alarm icon will appear on the display.

To disable the alarm, press the **ALARM** button until the alarm icon disappears.
To use the snooze function, press the **SNOOZE** button when the alarm sounds. The alarm will pause for approximately 8 minutes before sounding again.

4.3 Projection Features

The clock projects the time in red onto a wall or ceiling.

- **Activating Projection:** When powered by the AC adapter, the projection is continuous. When on battery power, press the **PROJECTION** button to temporarily activate the projection.
- **180-Degree Flip:** Press the **FLIP** button (often combined with the '+' button) to rotate the projected image by 180 degrees, allowing for optimal viewing orientation.
- **Focus Adjustment:** Some models may have a focus wheel near the projection lens. Rotate it to sharpen the projected image.

4.4 Temperature Display

The clock displays the indoor temperature. The unit of measurement (Celsius or Fahrenheit) can typically be switched by pressing a dedicated button (often labeled **°C**/**°F**) or by holding a combination of buttons.

Figure 4.1: Detailed view of the clock's display and control buttons for various functions.

5. Maintenance

5.1 Cleaning

To clean the clock, use a soft, dry cloth. Do not use abrasive cleaners or solvents, as these may damage the surface. Gently wipe the projection lens to ensure clear projection.

5.2 Battery Replacement

When the battery icon appears on the display, or if the clock loses settings during a power outage, it is time to replace the backup batteries. Open the battery compartment, remove the old batteries, and insert 2 new AAA batteries, observing correct polarity. Dispose of old batteries responsibly.

6. Troubleshooting

- **No Display / No Power:**
  Ensure the AC adapter is securely plugged in. If using batteries, check their polarity and replace them if necessary.
- **No Time Projection:**
  Verify the AC adapter is connected for continuous projection. If on battery power, press the projection button. Check if the projection lens is obstructed or dirty.
- **Incorrect Time / Time Not Synchronizing:**
  Ensure the clock is in an area with good radio signal reception, away from electronic interference. Allow several minutes for synchronization. If issues persist, set the time manually as described in Section 4.1.
- **Alarm Not Sounding:**
  Check if the alarm is activated (alarm icon visible on display). Ensure the alarm volume is not set to minimum if adjustable.
- **Projection Image is Blurry:**
  Adjust the focus wheel near the projection lens if available. Ensure the clock is at an optimal distance from the projection surface.

7. Specifications

Model Number	RM313PNF-W
Brand	Oregon Scientific
Color	White
Display Type	Digital
Special Features	Alarm, Time Projection, Indoor Temperature
Power Source	AC Power / 2 x AAA Batteries (included)
Product Dimensions	19 x 6.5 x 11 cm
Item Weight	200 Grams
Usage	Indoor

8. Warranty and Support

8.1 Warranty Information

This Oregon Scientific Projection Clock RM313PNF-W comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For further assistance, technical support, or warranty inquiries, please contact Oregon Scientific customer service. Refer to the official Oregon Scientific website for contact details specific to your region.