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› Explore Scientific RDC1004 Radio-Controlled Desk Clock User Manual

## Explore Scientific RDC1004

# Explore Scientific RDC1004 Radio-Controlled Desk Clock User Manual

Model: RDC1004

## INTRODUCTION

Thank you for choosing the Explore Scientific RDC1004 Radio-Controlled Desk Clock. This compact and modern clock features a backlit LCD display, radio-controlled time synchronization, indoor temperature and humidity display, an alarm with snooze function, and touch controls. This manual provides detailed instructions for setting up and operating your new clock.



Image: The Explore Scientific RDC1004 desk clock displayed on a wooden table, showcasing its compact design and clear digital display in

a home setting.

## **SAFETY INFORMATION**

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- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the clock to strong impacts.
- Keep batteries out of reach of children. Dispose of used batteries properly.
- Do not attempt to disassemble or repair the unit yourself. Contact qualified service personnel.
- Use only the specified battery type (3 x AAA).

## **PACKAGE CONTENTS**

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- Explore Scientific RDC1004 Radio-Controlled Desk Clock
- 3 x AAA Batteries
- User Manual (this document)

## **PRODUCT OVERVIEW**

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### **Front View and Display Elements**



Image: Front view of the Explore Scientific RDC1004 desk clock, highlighting the large digital time display, alarm indicator, indoor temperature, humidity, and control buttons at the bottom.

The front of the clock features a large LCD display and several touch-sensitive buttons for control.

- **Large Time Display:** Shows current time in hours and minutes.
- **Alarm Indicator:** Icon indicating if the alarm is active.
- **Indoor Temperature:** Displays the current room temperature.
- **Indoor Humidity:** Shows the current room humidity level.
- **Date/Month Display:** Shows the current date and month.
- **SET Button:** Used to enter settings mode.
- **AL.SET Button:** Used to set the alarm time.
- **UP Button:** Used to increase values or toggle settings.
- **DOWN Button:** Used to decrease values or toggle settings.
- **ON/OFF Button (Backlight/Snooze):** Activates backlight, or snooze when alarm sounds.

### Rear View and Battery Compartment



Image: Rear view of the Explore Scientific RDC1004 desk clock, showing the integrated kickstand for desktop placement and the battery compartment cover.

The rear of the clock houses the battery compartment and a foldable stand.

## SETUP

### 1. Battery Installation

1. Open the battery compartment cover on the back of the clock.
2. Insert 3 x AAA batteries, ensuring correct polarity (+ and -).
3. Close the battery compartment cover securely.

### 2. Initial Power-On and Radio Signal Reception

Upon inserting batteries, the clock will automatically power on and begin searching for the DCF (radio-controlled) time signal. This process may take several minutes to an hour, depending on your location and signal strength. During this

time, a signal icon will flash on the display.

- Place the clock near a window for better reception.
- Avoid placing it near electronic devices that may cause interference.
- Once the signal is received, the time and date will be automatically set, and the signal icon will become solid.

### 3. Manual Time and Date Setting (If Radio Signal Fails)

If the radio signal cannot be received or you prefer to set the time manually:

1. Press and hold the **SET** button for approximately 3 seconds to enter time setting mode. The setting value will flash.
2. Use the **UP** or **DOWN** buttons to adjust the value.
3. Press **SET** again to confirm and move to the next setting (e.g., 12/24 hour format, hour, minute, year, month, day, temperature unit).
4. Repeat steps 2 and 3 until all desired settings are configured.
5. The clock will automatically exit setting mode if no button is pressed for 15 seconds.

## OPERATING

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### 1. Display Information

The display shows the following information:

- **Time:** Current time (12-hour or 24-hour format).
- **Date:** Month and day.
- **Indoor Temperature:** Measured in Celsius or Fahrenheit.
- **Indoor Humidity:** Displayed as a percentage.
- **Alarm Status:** An icon indicates if the alarm is active.

### 2. Setting the Alarm

1. Press and hold the **AL.SET** button for approximately 3 seconds. The alarm hour will flash.
2. Use the **UP** or **DOWN** buttons to adjust the alarm hour.
3. Press **AL.SET** again to confirm and move to the alarm minute setting.
4. Use the **UP** or **DOWN** buttons to adjust the alarm minute.
5. Press **AL.SET** again to confirm and exit alarm setting mode.

### 3. Activating/Deactivating the Alarm

Briefly press the **AL.SET** button to toggle the alarm on or off. An alarm icon will appear on the display when the alarm is active.

### 4. Snooze Function

When the alarm sounds, press the **ON/OFF** button (usually the top touch area) to activate the snooze function. The alarm will temporarily stop and sound again after a few minutes (default snooze duration). To stop the alarm completely, press any other button.

### 5. Backlight and Night Mode

- **Manual Backlight:** Briefly press the **ON/OFF** button to illuminate the display for a few seconds.
- **Night Mode:** The clock features a light sensor that can automatically activate a dim backlight in low-light conditions, providing continuous visibility at night. This feature can be enabled or disabled in the settings menu (refer to manual

setting section).

## MAINTENANCE

### 1. Cleaning

Wipe the clock with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the display or casing. Avoid getting moisture into the device.

### 2. Battery Replacement

When the display becomes dim or the clock functions erratically, it is time to replace the batteries. Follow the battery installation steps in the Setup section. Always replace all three AAA batteries at the same time with new ones.

## TROUBLESHOOTING

- Clock not receiving radio signal:**  
Ensure the clock is placed away from electronic interference and near a window. Try repositioning the clock. Allow sufficient time for signal reception (up to an hour).
- Display is dim or blank:**  
Check battery levels and replace if necessary. Ensure batteries are inserted with correct polarity.
- Alarm not sounding:**  
Verify that the alarm is activated (alarm icon visible on display). Check that the alarm time is set correctly.
- Incorrect time displayed:**  
If the radio signal is not received, manually set the time as described in the Setup section. If the radio signal is active, ensure your time zone settings are correct if applicable (though this model primarily uses DCF for central European time).
- Touch controls unresponsive:**  
Ensure your fingers are clean and dry. If the issue persists, try removing and reinserting batteries to reset the device.

## SPECIFICATIONS

|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| Brand                  | Explore Scientific                                                                                |
| Model Number           | RDC1004CM3000                                                                                     |
| Color                  | Black                                                                                             |
| Dimensions (L x W x H) | 4.2 x 15.6 x 9.4 cm                                                                               |
| Weight                 | 260 grams                                                                                         |
| Material               | Acrylonitrile Butadiene Styrene (ABS)                                                             |
| Display Type           | Digital                                                                                           |
| Special Features       | Humidity Display, Temperature Display, Calendar Display, Alarm, Night Mode, Snooze, LED Backlight |
| Power Source           | Battery Powered (3 x AAA, included)                                                               |

Indoor/Outdoor Use

Indoor

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Explore Scientific website. Keep your proof of purchase for any warranty claims.

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### 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

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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