

RADIO CONTROLLED CLOCK WITH INDOOR THERMOMETER

MODEL: RM962A

Instruction Manual

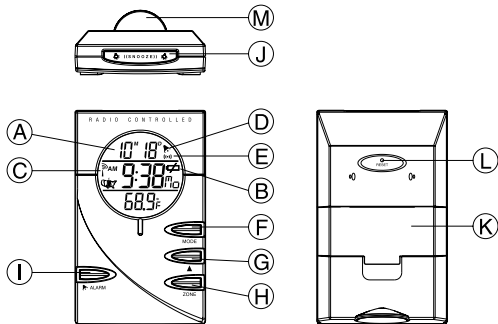
INTRODUCTION

Congratulations on your purchase of the Clock with Temperature Display RM962A.

The RM962A is a multifunction radio controlled clock. It can automatically synchronize its current time and date when brought within an approximate 1500 km or 1000 miles radius of the radio signal generated from the U.S. Atomic Clock.

Features of this unit include: indoor temperature display, current date display, daily crescendo alarm with eight-minute snooze function and EL backlight.

DESCRIPTION OF PARTS



- A 3-line LCD**
Displays the time, date, alarm status and temperature
- B [🔋] Battery-Low icon**
Lights up when batteries are running dry
- C [📶] Radio-Reception Signal**
Indicates the condition of radio reception
- D [🚨] Alarm-on icon**
Appears when the alarm is activated
- E [⏰] Alarm icon**
Appears when the alarm time is displayed

F MODE button

Toggles the calendar clock display modes or activates the calendar clock setting mode

G UP [▲] button

Increases the value of a setting

H ZONE button

Toggles among the 4 U.S. time-zones: Pacific, Mountain, Central or Eastern

I ALARM button

Displays the alarm time or sets the alarm status

J [Snooze] button

Activates the snooze function when an alarm activates or turn on the back light for five seconds

K Battery compartment

Accommodates two UM-4 or “AAA” size 1.5V batteries

L RESET button

Resets the unit by returning all settings to their default values

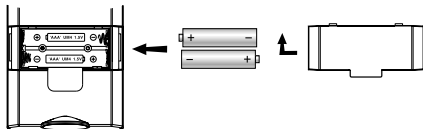
M Rotatable stand

BATTERY INSTALLATION

The unit uses two (2) UM-4 or “AAA” size 1.5V batteries.

To insert batteries:

1. Click open the battery door as shown.
2. Insert the batteries strictly according to the polarities shown therein.
3. Replace the battery compartment door.



Note: The battery life can be reduced vastly by frequent use of the back light or snooze function.



If not disposed of properly batteries can be harmful. Protect the environment by taking exhausted batteries to authorized disposal stations.

If the batteries are already inserted, pull out the plastic tab.


HOW TO USE THE BACKLIGHT

Press [Snooze] once. The back light will activate for five seconds.

ABOUT RADIO RECEPTION


This unit is a radio frequency (RF) controlled clock. When located within a 1500km or 1000 miles radius of radio signal from the U.S. Atomic Clock. The benefit of a RF controlled clock is that highly-accurate time is maintained and manual adjustments to the time and date are not required.

When the batteries are first installed, the unit will automatically search for a radio signal.

When in search mode, the antenna icon [] will blink. This process takes between two (2) and ten (10) minutes. After initial search, short periodic reception-signal scans will commence several times a day.

When the RM962A is new and initially set up, reception of the U.S. Atomic clock signal can take up to 72 hours.

The antenna icon indicates the quality of reception.

	STRONG		NO RECEPTION
	WEAK		RECEIVING


When the reception is complete, the radio-reception signal will stop blinking.

Interference

Reception can be affected by a number of factors. For best reception, place the device away from metal objects and electrical appliances.

Note: Interference from sources such as TV sets can affect the signal. If, after batteries have been inserted for ten minutes, the signal is not received, then set the time manually (see section: How To Set The Calendar Clock Manually).

To deactivate the auto-reception of RF signal, press and hold the **ZONE** button for 2 seconds. The antenna icon will disappear to show this deactivation.

To activate the auto-reception again, press and hold the [] button for 2 seconds again and the antenna icon will re-appear.

“SECONDS” AND DAY-OF-THE-WEEK DISPLAY

The “seconds” and the day-of-the-week share the same section of the display.



day-of-the-week display



“second” display

The day-of-the-week is displayed as an abbreviation in three languages.

To change the “seconds” display to the day-of-the-week display:

- When the “seconds” are displayed, press **MODE** once.

To change the day-of-the-week display to the “seconds” display:

- When the day-of-the-week is displayed, press **MODE** once.

CALENDAR AND ALARM TIME DISPLAY

The calendar and the alarm-time share the same section of the display.

The calendar is displayed in a month-day format.



calendar mode



alarm mode

To change the calendar display to the alarm-time display:

- When the calendar is displayed, press **ALARM** once.

To change the alarm-time display to the calendar display:

- When the alarm time is displayed, press **MODE** once.

HOW TO SET THE CALENDAR CLOCK MANUALLY

If the unit is taken outside of the range of radio signal it will need to be manually set.

To manually set the clock:

1. When the calendar is displayed, press and hold **MODE** for two seconds. The hour value will start to blink.
2. Enter the hour using the [▲] button. Hold down the button to rapidly increase the value.

3. Press **MODE** to confirm and proceed to set the minute, year, month, day and display language.
4. For the display language, you can choose between (E) for English, (F) for French and (S) for Spanish.

Language	Day-of-the-week						
	Monday	Tuesday	Wed.	Thursday	Friday	Saturday	Sunday
English	E Mo	Tu	We	Th	Fr	Sa	Su
French	F Lu	Ma	Me	Je	Ve	Sa	Di
Spanish	S Lu	Ma	Mi	Ju	Vi	Sa	Do

5. When finished, press **MODE** to return to normal display. If changes are made on the minutes, the seconds will reset and start from zero.


HOW TO SET AND ACTIVATE THE ALARM

To set the alarm time:



1. Press and hold **ALARM** for two seconds when the alarm time is displayed.
2. Enter the value for the hour digits using the [▲] button. Hold down the button to rapidly increase the value. Press **ALARM** to confirm and go to the minute digits. Enter the value and press **ALARM** to confirm.

3. The alarm is automatically activated. To deactivate it, press **ALARM** once.

ALARM AND SNOOZE FUNCTION

When the alarm is set, it will activate at the set time. The back light will go on for five seconds and the alarm-on icon [] will flash.

The crescendo function allows the alarm to start gently and step up its intensity in three steps. Without interruption, the alarm will activate for 2 minutes.

To stop the alarm, press **ALARM** button. If the [ : ((SNOOZE)) : ] button is pressed, the snooze function will be triggered. The alarm will stop for eight minutes before activating again.

INDOOR TEMPERATURE

The temperature is shown in Fahrenheit (°F). The unit is capable of measuring temperatures within the 23°F and 122°F range. If the temperature goes above or below that, the display will show “HHH” or “LLL”.

HOW TO RESET THE UNIT

The **RESET** button allows you to return all settings to its factory values.

The button is required only when the unit is not operating in a favorable way, such as in the rare case of a malfunction.

PRECAUTIONS

This unit is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions.

1. Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
2. Do not clean the unit with any alcohol containing detergent, abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuit.
3. Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
4. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
5. Only use fresh batteries as specified in the user's instructions. Do not mix new and old batteries as the old ones may leak.
6. Always read the user's instructions thoroughly before operating the unit.

SPECIFICATIONS

Operating Temperature : 23°F to 122°F

Clock Functions

Radio Control : Auto synchronize current time and date by Radio signal generated from the U.S. Atomic Clock

Calendar : Day of week in English / French / Spanish
Current month / day format

Clock Time : 12-hour format

Alarm Duration : 2 minute crescendo

Snooze : 8 minutes

Accuracy : +/-0.5 second/day
(when RF is disabled)

Temperature Measurement

Indoor Measurement : 23°F to 122°F (-5°C to 50°C)

Temperature Resolution : 0.2°F (0.1°C)

Temperature Accuracy : 23°F to 32°F +/-35.6°F
(-5°C to 0°C +/- 2.0°C)

32°F to 104°F +/- 33.8°F
(0°C to 40°C +/- 1.0°C)

104°F to 122°F +/-35.6°F
(40°C to 50°C +/- 2.0°C)

General Specification

Battery Type : Two (2) UM-4 or "AAA" size
1.5V battery

Unit Dimension : 4.09 x 2.52 x .83 inches
or 104 x 64 x 21 mm (H x W x D)

Unit Weight : 2.82 ounces or 80 g
(without battery)

With carrying pouch

CAUTION

- The content of this manual is subject to change without further notice.
- The specification of this product can be changed without any notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

CUSTOMER ASSISTANCE

Should you require assistance regarding this product and its operation, please contact our customer care department at 541-868-8205 or via email at helpme@oscientific.com.

WARRANTY

This product is warranted to be free of manufacturing defects for a period of 90 days from date of retail purchase. Defective product should be directed to the place of retail purchase for exchange.

Should this not be possible, contact our customer care department for assistance and a return material authorization. No returns may be made without a return authorization. Warranty exchanges require proof of date of purchase (purchase receipt showing date, place and product purchased).

This warranty does not cover product subjected to abuse, misuse, accidental damage or tampering.

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