TimeSphere

Wireless Projection Clock

Model No: RM382P / RM382PA

USER MANUAL

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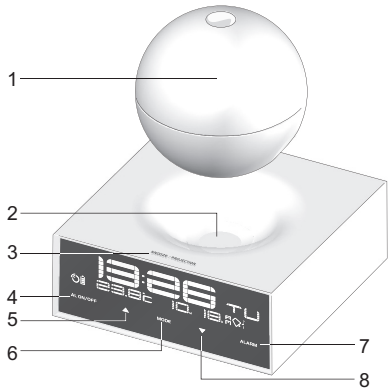
INTRODUCTION

Thank you for selecting the Oregon Scientific™ projection clock (RM382P / RM382PA).

NOTE Please keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know about.

OVERVIEW

FRONT VIEW



1. **Projection ball:** Projects time on the wall or ceiling. (Twist the closed projection unit to adjust the focus.)
2. **Charging pad**
3. **SNOOZE / PROJECTION:** Activates 8-minute snooze; turns the continuous projection function ON / OFF
4. **AL ON / OFF:** Activates / deactivates the alarm(s)
5. ▲ **:** Increases setting; enables clock radio reception signal
6. **MODE:** Toggles between different clock displays; enters clock setting mode
7. **ALARM:** Toggles between alarm 1, alarm 2 and calendar mode; enters alarm setting mode
8. ▼ **:** Decreases setting; disables clock radio reception signal

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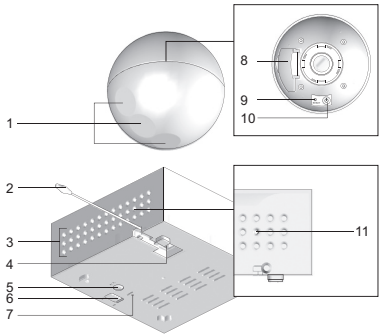
BASE VIEW



1. **Charging base circles:** Position the unit to project the time vertically at 3 different angles
2. **Indoor temperature sensor**
3. **Ventilation holes**
4. **Adapter slot**
5. **°C / °F:** Selects temperature unit
6. **EU / UK switch (RM382P only):** Slide to select your nearest radio signal base
7. **RESET:** Press to reset
8. **Rechargeable battery compartment**
9. **RESET:** Press to reset
10. ⏻ : Press to turn projector ON / OFF
11. **Light sensor:** Control the brightness of backlight

LCD DISPLAY

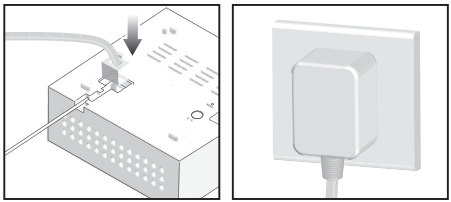
1. Time
2. Clock radio reception signal
3. Rechargeable battery icon
4. Indoor temperature reading
5. Time zone / day of the week
6. Alarm 1 / 2 is activated
7. Alarm time / calendar

GETTING STARTED

POWER

MAIN UNIT

Plug in the AC adapter.



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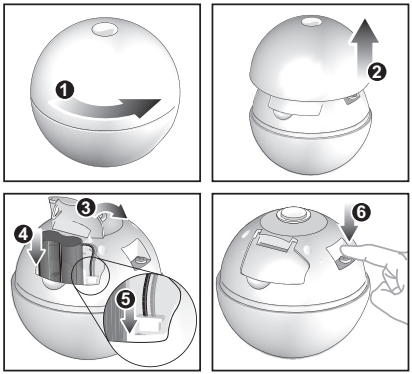
PROJECTION UNIT

Insert rechargeable batteries (2 x AAA 1.5V) before first use, matching the polarity (+ and -):

1. Twist the ball counter-clockwise until it loosens.
2. Pull the top half upwards.
3. Lift up the battery compartment cover.
4. Slide the battery in.
5. Insert the plastic plug into the slot.
6. Press ⏻ to turn the projector ON.

NOTE Make sure it is fully charged before first use.



NOTE When opening or closing the ball you will hear a click signifying that it has opened or closed. Do not keep twisting beyond the click noise or you may break the unit.

NOTE appears with the projected time when the projection unit batteries are low.

To charge the projection unit, place it on the main unit, making sure that 1 of its 3 base circles is in contact with the main unit, charging pad.

Charge the projection unit for 12 hours the first time and 8 hours from then on. This will provide the projection unit with 10 hours continuous projection time.

is animated during charging and static when full.

CLOCK DISPLAY MODES

Press **MODE** to toggle between the clock displays:

- Clock with seconds
- Clock with weekday
- Clock with time zone offset and weekday

NOTE The light sensor at the back of the clock will detect the light level in the room and adjust the clock display accordingly. Do not position the back of the clock close to a wall or other object, otherwise the light may not function.

CLOCK RECEPTION

This product is designed to synchronize its calendar clock automatically once it is brought within range of a radio signal:

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RM382P:
- DCF-77 generated from Frankfurt, Germany for Central Europe
- MSF-60 generated from Rugby, England

The radio signal range is 1500 km (932 miles).

RM382PA:
- WWVB-60 generated from the atomic clock in Fort Collins, Colorado

The radio signal range is 3219 km (2000 miles).

RM382P only – slide the **EU / UK** switch to the appropriate setting based on your location. Press **RESET** whenever you change the selected setting.

RECEPTION SIGNAL

STRONG	WEAK	NO SIGNAL
		

The reception icon will blink when it is searching for a signal. If the radio signal is weak, it can take up to 24 hours to get a valid signal reception.

For best reception, place the clock away from metal objects and electrical appliances and place near a window.

To enable / disable the clock radio reception: Press and hold ▲ / ▼.

NOTE When the main unit synchronizes with the radio signal, it will temporarily turn the projection charging function off.

CLOCK SETTINGS

You only need to do this if you have disabled the clock radio reception, or if you are too far from the radio signal.

To set the clock:
1. Press and hold **MODE** for 2 seconds. The setting will blink.
2. Use ▲ / ▼ to change the setting. Press and hold ▲ / ▼ to speed through values.
3. Press **MODE** to confirm.
4. The setting sequence is: Time zone, 12 / 24 hour format, hour, minute, year, day-month format, month, day and display language.

NOTE If you enter +1 in the time zone setting, this will give you your local time plus 1 hour. If you are in the US (RM382PA only) set the clock to:

0 for Pacific time	+1 for Mountain time
+2 for Central time	+3 for Eastern time

NOTE The language options are (E) English, (F) French, (D) German, (I) Italian, and (S) Spanish.

ALARM

The clock has 2 alarms. **To set an alarm:**

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1. Press **ALARM** to toggle between the alarm displays and select either alarm 1 or 2, for setting.
2. Press and hold **ALARM** to enter alarm setting mode. The alarm setting will blink.
3. Press ▲ / ▼ to change the settings. Press and hold ▲ / ▼ to speed through values.
4. Press **ALARM** to confirm.
5. The setting sequence is: Hour and minute.

NOTE "-:--" appears when the alarm is not activated.

The alarm icon will appear on the display to show which alarm has been set:

ICON	MEANING
$\diamond_1$ / $\diamond_2$	Alarm 1 / alarm 2 is set
No icons	No alarm is set

To activate / deactivate an alarm:

- Press **AL ON / OFF** to toggle between alarm 1 and 2, both alarms ON or OFF.

OR

- Press **ALARM** to select alarm 1 or 2 and then press **AL ON / OFF**.

To silence the alarm:

- Press **SNOOZE,** to silence it for 8 minutes. Press **ALARM** or **AL ON / OFF** to turn it off during the 8-minute snooze time.

OR

- Press any key except **SNOOZE** to stop the alarm and reset it to activate at the same time the next day.

NOTE When the snooze function is activated, the alarm icon will flash.

PROJECTOR

When the projection unit is placed on the main unit it will automatically recharge its batteries and synchronize its time with the main unit.

To turn the projector ON / OFF when it is on the main unit:
Press **PROJECTION** on the main unit.

ICON	DESCRIPTION
	The projection unit is out of synch with main unit and is being updated
	The projection unit has just been placed back on the main unit and it is checking to see if it recognizes the projection unit
	The main unit recognizes the projection unit and is charging it.
 icon disappears from display	The main unit does not recognize the projection unit. Adjust the position of the projection unit until the icon becomes animated.

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To use the projector remotely:

1. Make sure the projection unit has been fully charged (see Power section).
2. Twist open the projection unit and press ⏻, the projection beam should now be displayed.
3. Close the projection unit and twist until it clicks shut.
4. Twist the closed projection unit to adjust the focus.

NOTE Whenever you open the projection unit you will need to adjust the focus of the projection once you have closed it.

To change the projection angle:
Place the unit on 1 of the 3 flat circles on its base to display the time vertically at 3 different angles.

TEMPERATURE

To change the indoor temperature unit on the display, press **°C / °F** on the base of the main unit.

RESET

To return the unit to the default settings, insert a blunt stylus into the **RESET** hole on the base of the main unit or on the inside of the projection unit.

PRECAUTIONS

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

- Placement of this product on wood surfaces with certain types of finishes, such as clear varnish, may result in damage to the finish. Consult the furniture manufacturer's care instructions for direction as to the types of objects that may safely be placed on the wood surface. Oregon Scientific shall not be responsible for any damage to wood surfaces from contact with this product.
- Do not cover the ventilation holes. Make sure items that are nearby such as newspapers, tablecloths, curtains etc cannot accidentally cover the ventilation holes.
- Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
- Do not clean the unit with abrasive or corrosive materials. This may scratch the plastic parts and corrode the electronic circuit.
- 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.
- This product may malfunction if electrostatic discharge or radio interference appears in the environment and / or affects the ac power line. The unit will revert to normal operation when interference stops.
- 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.
- Only use fresh batteries as specified in the user's

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instructions. Do not mix new and old batteries as the old ones may leak.

- Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
- Due to printing limitations, 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.

NOTE The technical specifications for this product and the contents of the user manual are subject to change without notice.

SPECIFICATIONS

TYPE	DESCRIPTION
Calendar	Day of week Current date / month format
Clock time	12 or 24-hour format
RF frequency	DCF-77 (EU) MSF-60 (UK) WWVB-60 (US)
Alarm duration	2 minutes
Snooze	8 minutes
Temperature unit	°C / °F
Indoor temp. measuring range	-5°C to 50°C (23°F to 122°F)
Temp. resolution	0.1°C (0.2°F)
Projection unit batteries	2 x AAA (UM-4) 1.5V (rechargeable)
Main unit adapter	AC power
Main unit (W x D x H)	130 x 130 x 50 mm (5.1 x 5.1 x 2 inches)
Projection unit (Diameter)	70 mm (2.8 inches)
Main unit / Projection ball weight	560 g (19.8 ounces)

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ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our Customer Care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you're in the US and would like to contact the Oregon Scientific Customer Care department directly, please visit:
www2.oregonscientific.com/service/default.asp

OR

Call 1-800-853-8883.

For international inquiries, please visit:
www2.oregonscientific.com/about/international.asp

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that the Projection Clock (Model RM382P) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

CE

COUNTRIES RTTE APPROVAL COMPLIED
ALL EU countries, Switzerland (CH)
and Norway (N)

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and for a Class

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B ISM equipment, pursuant to Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name:	Oregon Scientific, Inc.
Address:	19861 SW 95th Ave.,Tualatin, Oregon 97062 USA
Telephone No.:	1-800-853-8883

declare that the product

Product No.:	RM382PA
Product Name:	Projection Clock
Manufacturer:	IDT Technology Limited
Address:	Block C, 9/F, Kaiser Estate, Phase 1, 41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

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