



OREGON
SCIENTIFIC

INSTRUCTION MANUAL



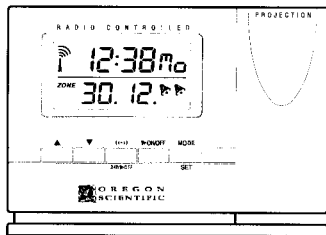
RF PROJECTION CLOCK

Model: RM318PU

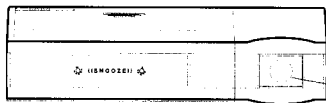
User's Instruction

Thank you for purchasing the Oregon Scientific RF Projection Clock. This Clock has been designed specifically with performance and ease of use in mind. As with all Oregon Scientific products, this Clock is made to the highest quality standards using precision electronic components and should give you many years of trouble free use.

Please read the User's Guide carefully before use to ensure you get the best out of your clock.

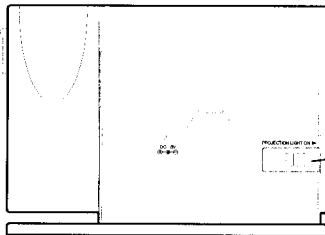


FRONT VIEW



FOCUS KNOB
PROJECTOR

TOP VIEW



PROJECTION
ON SWITCH

REAR VIEW

MAIN FEATURES

RADIO RECEPTION SIGNAL

Indicates the condition of radio reception

[((SNOOZE))] BUTTON

Enables or disables the snooze function when an alarm goes off or activates the backlight and projector for five seconds

TWO-LINE DISPLAY

Displays the local time and second time zone in four selectable modes

ZONE ICON [**ZONE**]

Appears when the second time zone is displayed

ALARM ICONS []

Appear when the respective alarm is activated

PROJECTOR

For projecting the current time on the wall or ceiling

FOCUS KNOB

Adjusts the focus of the projector

PROJECTION ON SWITCH

Used with the power adapter to enable extended use of the projector

BATTERY COMPARTMENT

Accommodates two UM3 or "AA" size batteries for operation

UP [] AND DOWN [] BUTTONS

Increases or decreases the value of a setting

[24h OFF] BUTTON

Sets the time for the alarms

[ON/OFF] BUTTON

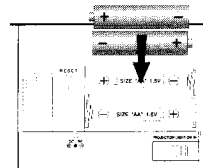
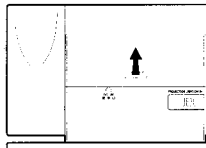
Enables or disables the alarms

[**MODE/SET**] BUTTON

Toggles the display modes and confirms entry while setting the values for display

BATTERY INSTALLATION

1. Slide open the battery compartment on the back of the unit.
2. Insert two UM3 or "AA" size batteries.







3. Replace the battery compartment door.

Under normal circumstances, the batteries are good for 1 year. However, the battery life can be reduced vastly by frequent use of the backlight, projector and snooze function.

Replace the batteries when Low battery indicator appears on the the LCD display.

HOW TO USE THE PROJECTOR

1. Keep pressing the [ ((SNOOZE)) ] BUTTON. The backlight and projector will turn on.
2. Adjust the angle of the projector for a good projection on the wall or ceiling.
3. Use the FOCUS KNOB to adjust the focus of the projection.

After the projector is adjusted, to use the projector, simply press the [ ((SNOOZE)) ] BUTTON once. The projector will come on for five seconds before automatically switching off.

HOW TO USE THE PROJECTOR POWER ADAPTER

Your unit comes with a power adapter so you can use the projector for extended period of time.



To install the adapter :

1. Slide open the battery compartment.
2. Plug the adapter into the adapter socket.





3. Replace the battery compartment door.
4. Making sure the voltage is correct, plug the other end of the power adapter into a free wall socket.

Once the power adapter is in place, you can select to turn on the projector for a longer period of time, such as throughout the night, by sliding out the PROJECTION LIGHT ON SWITCH on the back of the unit. To turn off the projector, slide the switch back.

Note that this switch can only be used with the power adapter installed. For momentary projection, use the [ ((SNOOZE)) ] BUTTON.

HOW TO USE THE BACKLIGHT

Press the [ ((SNOOZE)) ] BUTTON once. The backlight will be turned on for five seconds.

DISPLAY MODES

The RM318PU supports four display modes in the sequence of :

MODE 1. Hour-Minute-Second (of local time)

Day-Month (of local time)

MODE 2. Hour-Minute-Day-of-the-Week (of local time)

Day-Month (of local time)

MODE 3. Hour-Minute-Day-of-the-Week (of local time)

Hour-Minute (of second time zone)

MODE 4. Hour-Minute-Day-of-the-Week (of second time zone)

Day-Month (of second time zone)

Each press on the [MODE] BUTTON will toggle the display in the above order.

Note that the second line of the display will be replaced by the alarm time if the [24h OFF] BUTTON is pressed.

ABOUT RADIO RECEPTION - MSF





The RM318PU is designed to automatically synchronize its clock once it is brought within range of the Rugby MSF radio signal. It will scan and adjust every full hour.

When the RM318PU is within range, its radio-control mechanism will override all manual settings. Time will start to run from 00:00:00 and date, 1-1 (January 1), Monday.

When the unit is receiving radio signal, the RADIO RECEPTION SIGNAL will start to blink. A complete reception generally takes about 2 to 10 minutes, depending on the strength of the radio signal. After that, the hourly scanning will only take a few seconds.

When the reception is complete, the RADIO RECEPTION

SIGNAL will stop blinking. The strength of the reception for the last full hour will be indicated.

	- Unit has received radio signal.
	- Clock is searching for radio signal but not yet received. It is recommended that you reposition or rotate the antenna.
	- The display time has been manually set and is not synchronized to the RF signal.
No indicator	- Radio reception is disabled and no signal reception will be initiated until it is enabled again.
	- When the antenna symbol blinks, a reception is going on. A full reception takes approx. 2 to 10 minutes, depending on the quality of the signal received. The hourly scanning may take a few seconds only.

For better reception, place the clock away from metal objects and electrical appliances to minimize interference.

If you wish to disable the auto-reception feature, press the [▼] BUTTON for three seconds. The RADIO RECEPTION SIGNAL will disappear. The unit will not respond to radio signals.

To enable the feature again, press the [▲] BUTTON for three seconds. The RADIO RECEPTION SIGNAL will start blinking to initiate reception automatically.

HOW TO SET THE CLOCK MANUALLY

To set the clock, hold [MODE/SET] for three seconds. The display will return to MODE 1, with the hour digits blinking.

Use [▲] or [▼] to select the hour. Keep pressing the button will increase or decrease the value rapidly.

Press [MODE/SET] to confirm. The minute digits will blink. Repeat the same procedure to set the minutes, then the day-of-month, month, display language, day-of-week and offset for the second time zone.

Note that the time and date are displayed in 12-hour clock and DAY-MONTH format, respectively. For display language, you can choose among English, French, German and Italian--in that order. Day-of-week is the usual sequence of Monday through Sunday.

For the second time zone, which is indicated by the ZONE ICON, enter the hour offset and the RM318PU will calculate the second time accordingly.

If there is an item you do not wish to change, simply press [MODE/SET] to bypass the item.

When you are done, press [MODE/SET] to exit. The display will return to the mode last chosen.

HOW TO SET AND ARM THE ALARMS

The RM318PU has two alarms, ALARM 1 and ALARM 2. They can be invoked together or independently.

To set an alarm :

1. Press [24h ▶OFF] once to select ALARM 1 or again to select ALARM 2. The last selected time of the alarm will be displayed. If you have never set the alarm before, the time will be displayed as 0:00.
2. Press [24h ▶OFF] for three seconds. The hour digits will blink.
3. Enter the hour using [▲] and [▼] .
4. Press [24h ▶OFF] . The minute digits will blink.
5. Enter the minutes using [▲] and [▼] .
6. Press [24h ▶OFF] to exit. The ALARM ON ICON for the alarm chosen will be displayed indicating the alarm set above is now armed.

You can also arm or disarm an alarm by pressing the [▶ON/OFF] BUTTON.

When an alarm is armed, it will go off at the set time. The display will light up for 10 seconds with the ALARM ICON flashing.

The four-step crescendo function allows the alarm to start off gently and step up its intensity every 20 seconds for four

times. Without interruption, the alarm will go off for a total of two minutes.

If a second alarm goes off when the first alarm is sounding off, the first alarm will be disabled automatically.

HOW TO STOP AN ALARM

To stop an alarm, you can use either of the three buttons: [⏸ ((SNOOZE)) ⏸], [24h ▶OFF] or [▶ON/OFF] . Pressing [⏸ ((SNOOZE)) ⏸] during an alarm will invoke the SNOOZE FUNCTION, which will stop the alarm and let it sound off again after eight minutes.

Pressing [24h ▶OFF] will stop the alarm, which is still armed and will go off at the set time the following day.

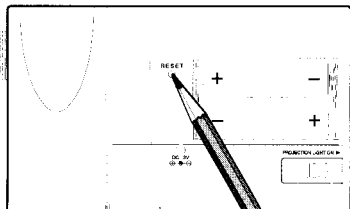
If [▶ON/OFF] is pressed instead, the alarm will be stopped and deactivated all together.

HOW TO RESET THE UNIT

There is a RESET BUTTON embedded into the battery compartment. It allows you to return all settings to its factory values, which are 00:00:00 for time and 1-1, Monday, for date.

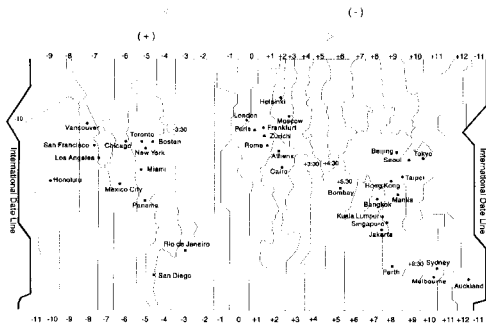
To use the RESET BUTTON :

1. Slide open the battery compartment.
2. Use a blunt stylus to press the RESET BUTTON once.



3. Replace the battery compartment door.

TIME ZONE TABLE



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 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.

PRODUCT SPECIFICATIONS

Operating Temperature	: -5°C to 50°C
Battery Type	: 2 piece of UM3 or "AA" Size 1.5V battery
Unit Dimension	: 100 x 140 x 40 (H x W x D)
Unit Weight	: 262 g (without battery)

CAUTION

- The content of this manual is subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The manufacturer and its suppliers held no responsibility to you or any other person for any damage expenses, lost profits, or any other claim arise by using this product.
- The contents of this manual may not be reproduced without the permission of the manufacturer.



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