

# Oregon Scientific Radio Controlled Projection Clock

Model RM318PA

Congratulations on your purchase of one of the first auto-setting, always accurate alarm clocks. We want you to be very happy with this clock, but please remember this is a radio wave device, and not a perfect science. There are certain areas of the eastern United States where urban interference or signals from the United Kingdom's radio control tower may distort or delay the time-setting signal. Even though these areas may have more difficulty receiving a signal, The Time Machine<sup>®</sup> contains a very accurate quartz movement and will maintain a precise time even if the radio signal is missed on occasion. In the Fall of 1997, the US Government will be increasing the signal strength of the Atomic Clock transmitter, which should eliminate most of the weak signal areas. However, the areas marked on the map below will still have greater difficulty receiving the radio signal.

## THE TIME MACHINE PROJECTION CLOCK CONCEPT





The split-second, precise timelines of your new Time Machine Projection Clock is achieved through its pre-tuned internal radio receiver that responds to a special 60kHz frequency time signal generated by the US Atomic Clock, one of the most accurate clocks in the world.

This extraordinary timepiece, located outside Boulder, Colorado, is operated by the US Department of Commerce's National Institute of Standards and Technology.

Your Time Machine Projection Clock automatically activates its receiver immediately upon battery insertion and then six times every 24 hours and makes any adjustments in its time display. It usually takes 3-7 minutes for the clock to receive the initial radio signal and adjust the time, day and date accordingly.

*NOTE: You may not receive a signal immediately. Due to possible interference, the best reception often occurs between midnight and 4a.m.*

## SIGNAL STRENGTH INDICATOR

	STRONG
	WEAK
	NO RECEPTION
	RECEIVING

## POWER

### **Battery Power**

Your Time Machine Projection Clock operates on two (2) AA batteries. To activate the batteries,

- Remove the battery compartment cover
- Pull out the plastic strip that is sticking out of the battery compartment
- Replace the battery compartment cover

### **Projection Beam Power Adapter**

Your Time Machine Projection Clock comes with an A/C power adapter, an option that allows the continual time projection. To install the adapter

- Remove the cover from the battery compartment located on the back of the clock
- In the space to the left of the battery slots, locate a round socket just to the left of the reset button:
- Insert the small round adapter plug into this socket
  - Push the plug firmly into the socket. Rotate the black plug so that the whole plug is inside the socket compartment
  - Thread the cable through the opening labeled "DC 3V."

This will ensure that the battery cover can be replaced and make the power adapter plug less likely to accidentally unplug

- Replace the battery compartment cover.
- Plug the electric plug into a wall socket

Your Time Machine Projection Clock is now ready for use.

### **Low Battery Indicator**

When you need to replace your batteries, the Low Battery will appear (BATT in the upper right corner of the LCD panel). When this appears, change your batteries in order to keep the clock functioning.

## SELECTING THE APPROPRIATE TIME ZONE

- Press ZONE until the correct US time zone is indicated on the LCD panel by a darkened section of the US map in the lower right corner of the LCD panel

*NOTE: Only Eastern, Central, Mountain and Pacific time zones are available. This clock does not function properly outside the continental United States.*

To see the time in a different time zone:

- Press ZONE until the desired zone is indicated on the display panel. The correct time for that zone will automatically display

*CAUTION: Do not press and hold the ZONE button for more than three seconds. Press and release the ZONE button to advance the time zone one step. If you press and hold the ZONE button, it will deactivate the automatic time signal reception (if this happens, remove and replace the batteries to activate the radio signal receiver).*

## USING THE PROJECTION CLOCK

### **Projection Clock with Battery Power Only**

To activate the projection feature:

- Press the Snooze bar

The projection light will illuminate for five seconds and then turn off automatically

*NOTE: There is no option for continual display of the red projection beam with battery only power. If the projection light ON switch located on the back of the unit is in the "on" position in battery only mode, the projection beam is disabled.*

### **Projection Clock with A/C Adapter Power**

To activate the projection feature

- Press the SNOOZE BAR

To activate continuous projection beam (available only with A/C power adapter)

- Slide the projection light ON switch (located on the back of the clock) out to the "on" position

### **Focusing the Projection Beam**

- Aim the rotating Projection Arm so that the projection beam is positioned where you want it
- Turn the focus dial on the side of the projection arm until the red clock display is focused and easy to read

*NOTE: The surface onto which you wish to project the time display must be at least 18 inches away from the clock and no more than 12 feet away. If the distance is outside of these measurements, you may not be able to*

focus the projection beam enough to make the display legible.

## Backlight

To activate the backlight which will illuminate the LCD panel:

- Press the Snooze Bar - the backlight will activate for 5 seconds, and turn off automatically

## SETTING THE ALARM

- Press ((·)) until the same symbol appears in the lower left corner of the display panel. The alarm time will then also be displayed at the bottom of the display panel.
- Press and hold ((·)) until the hour portion of the alarm time is flashing
- Press + to increase the hour by one. Or press and hold + to rapidly advance the hour

When the hour is set:

- Press ((·)) again and the minutes will flash
- Press + as explained above to adjust the minutes to the desired time

When the alarm time is set:

- Press ((·)) again. The alarm will automatically arm itself. This will be indicated by the bell icon, just above the ((·)) icon on the display panel

If you do not want the alarm to sound at the time you just set:

- Press the ON/OFF key until the bell icon disappears

## ENABLING/DISABLING THE ALARM

To turn the alarm on or off:

- Press the ON/OFF button

☞ *NOTE: If the alarm is on, the bell icon will appear in the lower left corner of the LCD. If the alarm is off, there will be no bell icon.*

When the alarm sounds there are three ways to turn it off:

- Press the SNOOZE bar. The Alarm will stop and then sound again in 8 minutes
- Press ((·)). The alarm will not sound again until the next day
- Press ON/OFF. The alarm will not sound again until reactivated

*IMPORTANT: If none of the above actions are taken, the alarm will automatically “snooze” once, sound again in 8 minutes and then not sound again until the next day.*

## Snooze Function

To temporarily stop the alarm or “snooze:”

- Press the SNOOZE bar

To stop the Snooze feature:

- Press((·)).

The alarm will not sound again until the pre-set time on the following day.

## MANUALLY SETTING THE TIME AND DATE

*IMPORTANT: It highly unlikely that you should ever need or want to set these features manually; however, in the event that you should travel outside the United States and want this capability, we include these instructions.*

### Setting the Time

- Press and hold MODE until the hour segment of the time flashes
- Press + until the desired hour appears on the LCD panel

*NOTE: Be sure to check the AM or PM symbol for accuracy*

- Press MODE again until the minutes segment of the time flashes
- Press + until the desired minutes appear on the LCD panel
- Press MODE five more times to exit setting mode

### Setting the Year

- Press and hold MODE until the hour segment of the time display flashes
- Press MODE twice more until you see a year appear on the display
- Press + until the desired year appears on the display
- Press MODE four more times to exit the set mode and resume normal time keeping

## Setting the Month

- Press and hold MODE until the hour segment of the time display flashes
- Press MODE three more times until you see the month digit flash on the display
- Press + until the desired month appears on the display
- Press MODE three more times to exit the set mode and resume normal time keeping

## Setting the Date

- Press and hold MODE until the hour segment of the time display flashes
- Press MODE four more times until you see the date flash on the display
- Press + until the desired date appears on the display
- Press MODE two more times to exit the set mode and resume normal time keeping

*IMPORTANT: As soon as any manual setting changes are made, the display will indicate a loss of signal strength (see SIGNAL STRENGTH INDICATOR) to indicate that the clock is now running on manual settings instead of signals received from the Atomic Clock.*

## Setting the Language

- Press and hold MODE until the hour segment of the time display flashes
- Press MODE five more times until you see a single letter (E, F or S) appear on the display next to the time
- Press + until the desired language indicator appears on the display (E for English, F for French and S for Spanish)
- Press MODE one more time to exit the set mode and resume normal time keeping

## SPECIFICATIONS

Radio Controlled Clock WWVB 60 Khz for USA signal  
Time and Date manually adjustable  
LCD US map to select one of four time zones: Eastern, Central, Mountain or Pacific  
Projection Beam displays time on wall or ceiling  
12 hour display with hh:mm:ss  
Date format: Month/Date  
Day of Week user selectable in four languages: English, French, Italian, or German  
Alarm: Two-minute crescendo  
Snooze duration: Eight (8) minutes  
Led Backlight  
Low Battery Indicator  
AC Power Adapter for continuous projection beam use

## CUSTOMER ASSISTANCE

Should you require assistance regarding this product and its operation, please contact our customer care department at 800-853-8883 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. Please retain your retail receipt as you may be asked to provide a copy of it for proof of date purchased.

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

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