

MODEL : RM313PA

# RADIO CONTROLLED KIDS PROJECTION CLOCK WITH HiGlo BACKLIGHT

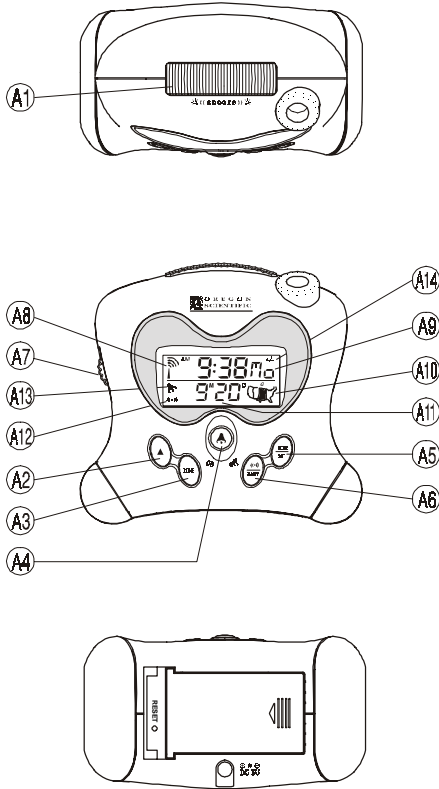


Figure A

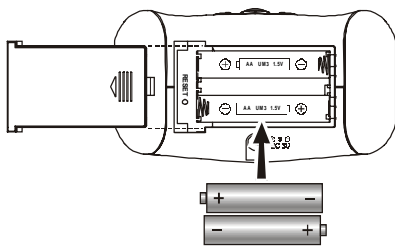


Figure B

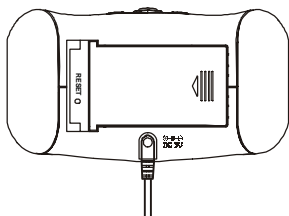


Figure C

## KIDS PROJECTION CLOCK OWNER

Congratulations on your purchase one of the first auto-setting always-accurate travel alarm clock ! You are one of the first people in America to own the world's smallest and most accurate alarm clocks. We want you to be very happy with this product, but please remember this is a radio wave device and not an perfect science. There are certain areas of the Eastern United States (see map) where urban interference or signals from 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 Kids Projection Clock contains a very accurate quartz movement and will maintain a precise time even if the radio signal is missed on rare occasions.

Please also don't hesitate to call 880-853-8883 (or email helpme@ocientific.com) if you have any question about setting up and/or using your new Kids Projection Clock. In the meantime, all of us at Oregon Scientific hope you enjoy this revolutionary advance in time keeping technology.

## KIDS PROJECTION CLOCK CONCEPT

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

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

Your Kids Projection Clock automatically activates its receiver immediately upon battery insertion and then six times every 24 hours and make any necessary adjustments in its time display. It usually takes about 3-7 minutes for the clock to receive the initial Radio Signal and adjust the time, date and day accordingly.

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

The clock not only sets itself to synchronize its digital time and date with the Atomic clock's signals, but it also automatically adjusts for daylight-savings time!

Your clock utilizes a small internal antenna that double as the bedside/desktop stand. (Please see the section on "Signal Strength" for optimal performance of your Kids Projection Clock)

The successful reception of the long wave signal depends on the positioning and location of the clock. Insufficient signal strength or external electrical noises may prevent the unit from receiving a complete signal. The main reasons for poor reception are heavily reinforced concrete and steel structures, and close proximity to electrical units such as TV's and PC monitors.

**Do not become concerned if your Kids Projection Clock does not receive a signal within the first few minutes. RF appliances or radios are most effective when placed near a window, and you may need to orient the clock or the antenna to receive a stronger signal. Please be patient with the first receptions of the time signal. Once the Kids Projection Clock has received a time signal, updates are accomplished with greater ease. Please refer to the Trouble Shooting section (at the end of this booklet) for more information.**

The technology underlying the radio-controlled Kids Projection Clock was previously dedicated only to commercial and industrial uses, including aircraft and ship navigation, broadcasting stations, and research facilities. Oregon Scientific was the first company to develop a consumer-level timepiece with alarm that can truly be called the world's most accurate clock.

## TECHNICAL DATA

- Integrated radio receiver for reception of time signal 10kW transmitter WWVB: at 60kHz
- Operating temperature: 35-120 ° F
- Setting time with interference-free reception: 3-7 minutes
- Automatic signal-reception activation: six times every 24 hours
- HiGlo™ backlighting source: Electroluminescence
- Battery type: 2 AA (not included)

## FEATURES

- Automatic setting of clock by radio signal from the US Atomic Clock
- Time display with Hour, Minutes, Seconds and Date
- Day of the week displayed in one of three languages (English, French or Spanish)
- Dramatic blue HiGlo™ electroluminescent backlight
- Alarm with eight-minute snooze
- Crescendo Alarm increases in volume and intensity
- Signal Reception Strength indicator
- U.S. Map icon shows user selected time zone
- Automatic adjustment for Daylight Savings time
- Projection of time image
- Low Battery indicator

## DESCRIPTION OF FUNCTION KEYS (Figure A)

### Snooze/light (Figure A.1)

A light touch on the top of the snooze button activates the unique electroluminescent backlight for 5 seconds. This lite-touch feature also activates the eight-minute snooze function.

**Note:** The display backlight and projection function work simultaneously. When [ (S N O O Z E) ] is pressed both the backlight and projection function will activate.

### Up Arrow keys (Figure A.2)

This key is used for manually setting the time, alarm time or calendar functions. Please refer to the Manual Setting instructions in these instructions for further information.

**NOTE :** Pressing once advance the setting by increments of 1; holding the ▲ button down for more the three seconds will accelerate the setting to rapid advance mode.

**WARNING :** The ▲ key also is used to reactivate the signal reception process should it become disable. Please see the Trouble Shooting section for further information.

### ZONE (Figure A.3)

The Kids Projection Clock is designed to automatically adjust the time signal to the user selected North American time zone - Pacific, Mountain, Central or Eastern. Pressing the ZONE button once advances the time zone setting (see US map figure A.9). Once the desired time zone block is highlighted on the map, the time will automatically adjust accordingly.

**WARNING :** Do not press and hold the ZONE button for more than three seconds. Use the single press method to set the time zone. Holding the button will turn off the automatic time signal reception. Please see the Trouble Shooting section for further information.

### ON / OFF (Figure A.4)

This button turns the alarm function on and off. Touching the ON/OFF button one time will either turn the alarm on or off. Please refer to the Alarm Setting instructions for further information.

**NOTE :** When setting the alarm time, the alarm is automatically turned on. If the bell icon [ ] is visible, the alarm is " on ".

Touching the ON/OFF button one time will either turn the Alarm function on or off.

If you want to stop the daily alarm while leaving the pre-set time for the following days 's wake-up, press the ALARM button. Pressing the ON/ OFF button to stop the wake up alarm will deactivate the alarm function.

### MODE / SET (Figure A.5)

Press the MODE key once to switch between the display of either the Day of the Week or Seconds on the clock. Kids Projection Clock will continue to display the selected function (Day or Seconds) until the MODE button id pressed again.

**IMPORTANT :** Holding the MODE key for more than three seconds turns on the manual mode for setting the time, date, year and language (English/French/ Spanish). Please refer to this section for specific setting instructions.

### ((••) / 24hOFF (Figure A.6)

Press the ((••)) key once to show the alarm time.

The ((••))/24hOFF icon is displayed in the lower left portion of the screen to alert you that the display is showing the alarm time. To return to the month and date display, press the ((••)) key once. To set the alarms please refer to the section on setting The Alarm.

**NOTE:** THE Kids Projection Clock will continue to display the selected function (Alarm Time or Date) until the ((••)) button is pressed again.

### Projection on (Figure A.7)

Project on turns to enable or disable th continuous projection when adapter is in used.

**Note:** this switch can only be used with the power adapter installed. For momentary projection, use the [ (S N O O Z E) ] .

## DESCRIPTION OF LCD DISPLAY

Please refer to Figure A for a detailed description of Kids Projection Clock LCD display and refer to the appropriate section(s) of these instructions for more specific information.

### Signal Strength Indicator (Figure A.8)

Indicators On the Display	Meaning
	Your last signal reception was excellent and time Synchronization with the US Atomic Clock has Taken place.
	Your last signal reception was insufficient and it is recommended that you reposition the clock.
	The displayed time has been manually set and is not synchronized by the RF signal.
No indicator	Your radio reception is disabled and no signal reception will be initiated unless it is enabled again.

### Time Display (Figure A.9)

The top line of the display shows the hours, minutes and seconds (AM /PM) of the clock. Pressing the MODE button once will switch the "Seconds' display to the Day of the Week. Kids Projection Clock will continue to display the selected function (Day or Seconds) until the MODE button is pressed again.

### US MAP (Figure A.10)

This map represents the four optional time-zone setting. The darkened of filled zone block indicates the user selected time zone. NOTE: When The Kids Projection Clock is receiving a signal from the US Atomic Clock; outline of this map will flash.

## Month/ Date (Figure A.11)

The Second line of the display shows the Month and the Date. Pressing the ((•)) button once will switch the "month and date" to show the "alarm time" The Alarm time is displayed in hours and minutes (AM / PM). NOTE: The ((•)) Clock will continue to display the selected function (Month/Date or Alarm Time) Until the ((•)) button is pressed again.

## ((•)) Alarm Display indicator (Figure A.12)

This ((•)) icon indicates the second line of the display is showing Alarm Time.

## [🔔] Alarm "ON" Indicator (Figure A.13)

This Bell [🔔] icon indicates that the alarm function is activated.

## [🔋] Low Battery Indicator (Figure A.14)

This [🔋] icon indicates that it is time to change batteries. Please refer to the Battery Replacement Section of this manual.

## USING THE PROJECTION CLOCK

Projection Clock with Battery Power Only

To activate the projection feature:

- Press the Snooze button

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 is in the "on" position in battery only mode, the projection beam is disabled.*

## Projection Clock with A/C Adapter Power (Figure C)

To activate the projection feature

- Press the Snooze button

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

- Slide the projection light ON switch out to the "on" position

## Backlight

To activate the backlight which will illuminate the LCD panel:

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

## BATTERY INSTALLATION (Figure B)

To activate the unit simply slide the battery compartment door in the direction of the arrow. Insert the batteries strictly according to the polarities shown therein. Replace the battery compartment door.

*NOTE : Please do not become alarmed if the unit does not receive signal directly from the box. The unit will receive most dependable and interference free signal automatically between Midnight and 4 a.m. If you have any questions please give us a call at 800-853-8883 or reach us by email to helpme@oscientific.com.*

## SETTING THE ALARM

- 1) Press and hold the ((•)) / 24hOFF button for at least three seconds. The "Hour" Segment of the alarm time will begin flashing.
- 2) While the "Hour" segment is flashing press the [▲] button to set the desired hour time (please note the AM /PM designation).
- 3) When the desired hour time is reached, press the ((•)) / 24hOFF button again.
- 4) The "Minutes" segment of the alarm time will begin flashing.
- 5) While the "Minutes" segment is flashing press the [▲] button to set the desired minute time.
- 6) When the desired minute time is reached press the ((•)) / 24hOFF button again to exit the alarm time set mode.

*NOTE : As soon as any change in the alarm time is made the alarm icon ((•)) will automatically appear indicating that the alarm is activated.*

*IMPORTANT : The Kids ProjectionClock will continue to display the "ALARM" time until the ((•)) button is pressed once to return to the "Month/Date" display.*

## TURNING THE ALARM ON or OFF

To turn the alarm on or off simply press the ON/ OFF key in any mode. When the ON /OFF button is pressed once the alarm is activated (the bell icon [🔔] will appear on the display). The alarm is deactivated when the ON/OFF button is pressed once and the bell icon [🔔] disappears from the display.

When the crescendo alarm sounds, it may be turned off using one of the following methods.

- 1) If the SNOOZE /LIGHT key is pressed within two minutes the Snooze is activated and the alarm will sound again in 8 minutes.
- 2) If the ((•)) / 24hOFF key is pressed, the alarm will not sound again until the next day.
- 3) If the ON/ OFF key is pressed, the alarm is deactivated and will not sound again until it is activated

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

## MANUALLY SETTING: TIME, YEAR, MONTH DATE & LANGUAGE

*NOTE : It is highly unlikely you should ever have the desire (or need) to manually set the clock time, year, month or date of The Kids Projection Clock. However, in the event this becomes necessary please review the following.*

## Setting the Time

- 1) Press and hold MODE button for at least three seconds. The "Hour" segment of the clock time will begin flashing
- 2) While the "Hour" segment is flashing press the [▲] button to set the desired hour time (Please note the AM/PM designation)
- 3) When the desired hour time is reached press the MODE button again. The "Minutes" segment of the clock time will begin flashing.
- 4) While the "Minutes" segment is flashing press the [▲] button to set the desired minutes time.
- 5) When the desired minutes time is reached, briefly press the MODE button five more times to exit the clock time set mode.

*IMPORTANT : As soon as any manual change in the clock time is made, there is a loss of the signal strength indicator from the display.*

*NOTE : The next successful reception of a radio signal will override a manually set clock time showing the clock running manually.*

## Setting the Year

- 1) Press and hold MODE button for at least three seconds. The "Hour" segment of the clock time will begin flashing
- 2) Briefly press the MODE button and the "Minutes" segment will begin flashing.
- 3) Briefly press the MODE button once more. The clock time will disappear and be replaced by a flashing year (Ex. 1995). This is the year set mode.
- 4) While the "Year" segment is flashing press the [▲] button to set the desired year.
- 5) When the desired year is reached briefly press the MODE button four more times to exit the year set mode.

*IMPORTANT : As soon as any manual change in the clock time is made, there is a loss of the signal strength indicator from the display showing the clock running manually.*

*NOTE : The next successful reception of a radio signal will override a manually set clock time showing the clock running manually.*

## Setting the Month

Press and hold MODE button until the hour segment of the time display flashes.

Press MODE button three more times until you see the month digit flash on the display.

Press ▲ button until the desired month appears on the display

Press Mode button three more times to exit the set mode and resume normal time keeping.

## Setting the Date

Press and hold MODE button until the hour segment of the time display flashes

Press MODE button four more times until you see the date flash on the display.

Press Dbutton until the desired date appears on the display.

Press MODE button 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 Language

Press and hold MODE button until the hour segment of the time display flashes.

Press MODE button five more times until you see a single letter (E, F or S) appear on the display next to the time.

Press ▲ button until the desired language indicator appears on the display (E for English, F for French and S for Spanish).

Press MODE button one more time to exit the set mode and resume normal time keeping

## TROUBLE SHOOTING

Problem	Remedy
No Display	<ul style="list-style-type: none"><li>• Check battery compartment.</li><li>• Confirm that batteries are of good quality, and are installed correctly</li></ul>
Did not receive A time signal	<ul style="list-style-type: none"><li>• If the units are new and just out of the box, allow 60-72 hours cycle for the clock to automatically seek a signal between midnight and 4 a.m.</li><li>• May be caused by too much interference. Relocate the clock or the antenna to position near a window.</li><li>• Be certain the antenna cord is fully extended and look for low battery indicator.</li></ul>
Loss of Signal	<ul style="list-style-type: none"><li>• May be caused by interference.</li><li>• If the problem persists, move the clock or antenna to a new location. The ExactSet™ is equipped with a high quality clock mechanism, which insures accuracy between signals.</li></ul>
Other Problems	<ul style="list-style-type: none"><li>• Call Oregon Scientific at 800-853-8883 or through the internet at helpme@oscientific.com</li></ul>

**WARRANTY :** Oregon Scientific warrants this product to be free of manufacturing defects for 90 day after purchase. This warranty does not cover product subjected to abuse, misuse or accidental damage.

Removal or modification of The Kids Projection Clock antenna cable voids this warranty

Defective product returns should be directed to the place of retail Purchase. For customer support call 800-853-8883 or reach us Through the Internet at helpme@oscientific.com.



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