



NAPOLI Voice Activated Weather Station
Model: RM998PA
USER MANUAL



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INTRODUCTION

Thank you for selecting the Oregon Scientific™ **NAPOLI Voice Activated Weather Station**. This device is designed to give you many years of reliable service, including the following conveniences:

- Atomic calendar clock
- Optional wireless vibration alarm with 8-minute snooze function (Wake-Up Vibrating Alarm VR101A can be purchased separately)
- Sleep function with 6 soothing sounds
- 5 alarm melodies with 2 volume levels
- 2-minute dual alarm with 8-minute snooze function
- Time / alarm status projection unit
- Talking clock – can be trained to tell you the time, alarm and temperature status, turn the alarm **ON / OFF** and the projector **ON**, when it hears your personal voice command
- 4 talking clock languages - English, Italian, French and Spanish
- Indoor temperature display
- Time zone hour offset function
- Backlight for clock

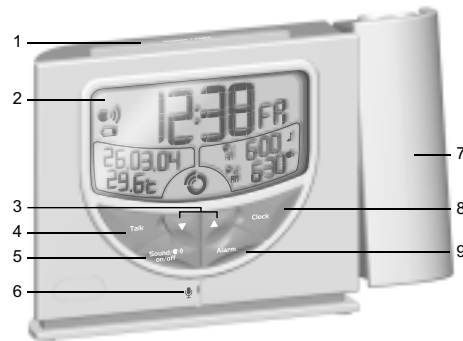
In this package, you will find:

- Clock unit
- 3 x UM-4 / AAA 1.5V batteries
- 4.5V AC / DC adaptor

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.

PRODUCT OVERVIEW

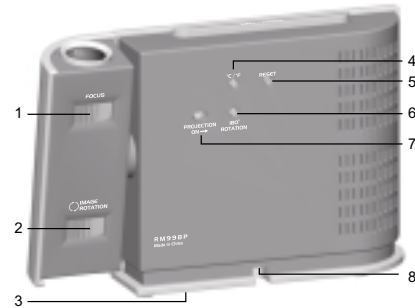
FRONT VIEW



1. **Snooze / Light:** Activate 8-minute snooze function, or backlight and projector
2. **LCD display**
3. **▲ / ▼:** Increase / decrease a setting; activate / deactivate Atomic clock
4. **Talk:** Enter talking clock training program; activate talking clock after training
5. **Sound / ● on / off:** Toggle between talk, soothing sound and normal modes – activate / deactivate talk function; set and activate sleep timer; turn soothing sounds ON / OFF
6. **🎤:** Microphone
7. **Projector:** Projects time and alarm status
8. **Clock:** Toggle between clock display modes; enter clock setting mode
9. **Alarm:** Toggle between alarm 1 and 2 ON / OFF mode; enter alarm display and setting mode

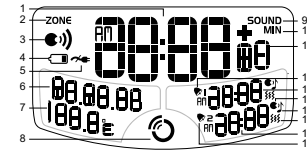
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BACK VIEW



1. **FOCUS:** Twist to focus the projected image
2. **IMAGE ROTATION:** Twist to get the best viewing angle of the projected image
3. **Battery compartment (cover on):** 3 x UM-4 / AAA 1.5V batteries
4. **°C / °F:** Select °C / °F
5. **RESET:** Press to return all values to the default settings
6. **180° ROTATION:** Press to flip the image if upside down
7. **PROJECTION ON:** Slide to ON for continuous image projection when the AC power is connected
8. **4.5V AC / DC adaptor socket**

LCD DISPLAY



1. Time
2. Offset time zone
3. Voice activated function is ON
4. Battery status
5. AC adaptor is disconnected
6. Calendar
7. Indoor temperature – °C / °F
8. Atomic clock reception
9. Soothing sound function is activated
10. Sleep function is activated
11. Offset time zone / day of week / seconds
12. Alarm 1
13. Alarm 1 time
14. Talking alarm is set
15. Melody alarm is set
16. Vibration alarm is set (optional item)
17. Alarm 2 time
18. Alarm 2

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GETTING STARTED

BATTERIES

The main unit uses:

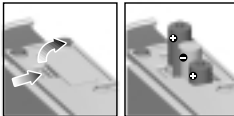
- 3 x UM-4 / AAA 1.5V batteries

The optional wake-up vibration alarm VR101A (not included in the package) uses:

- 2 x UM-3 / AA 1.5V batteries

NOTE It is recommended that you use alkaline batteries with this product for longer performance.

Insert batteries before first use, matching the polarity (+ and -) as shown below. Press **RESET** after each battery change.

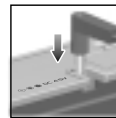


NOTE Do not use rechargeable batteries with this product.

BATTERY ICON	MEANING
	Batteries are low, or there are no batteries installed and only the adaptor is connected

The LED indicator on the vibration alarm will flash red when the batteries are low.

The batteries serve as a back-up power supply. To operate the voice activated function and for continuous use of the projector, install the AC adaptor at the base of the unit as shown below.



NOTE To help conserve energy, turn the **PROJECTION ON** switch to OFF when you do not wish to use it.

ABOUT ATOMIC CLOCK RECEPTION

The clock automatically synchronizes the current time and date when it is brought within range of the WWVB-60 atomic clock signal generated from Fort Collins, Colorado. For more information, please visit: www.boulder.nist.gov/timefreq/stations/radioclocks.htm

NOTE The signals are collected by the main unit when it is within 932 miles (1500 km) of a signal.

TURN THE ATOMIC CLOCK RECEPTION ON / OFF

To turn the atomic clock reception ON:

- Press and hold ▲ for 2 seconds.
- The reception icon will appear and flash on the display to indicate it is searching for the atomic clock signal.

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Once batteries have been installed in the clock, the reception icon will flash to indicate it is searching for a signal. When the reception signal has been received the reception icon will show the signal strength as shown below:

STRONG SIGNAL	NO SIGNAL

To turn the atomic clock reception OFF:

- Press and hold ▼ for 2 seconds.
- The reception icon will disappear from the display.

CLOCK / CALENDAR

CLOCK / CALENDAR DISPLAY

Press the **CLOCK** button to toggle between 3 types of display:

CLOCK WITH SEC	CLOCK WITH DAY	CLOCK WITH ZONE TIME OFFSET

SET CLOCK / CALENDAR

Before you can manually set the clock and calendar, you must specify the current time zone you live in and the time format (12- or 24-hour) as follows:

1. Press and hold **CLOCK** for 2 seconds. The time zone will flash. When an offset hour has been set (e.g. +1, the time displayed will be the RF clock time plus 1 hour).



2. Press ▲ or ▼ to change the setting.
3. Press **CLOCK** to confirm the setting and move onto the next one.
4. The settings appear in the following order: Time zone hour offset, 12 / 24 hour format, hour, minute, year, MM / DD or DD / MM format, month, day and language for day of the week and talking clock.
5. Press **CLOCK** or **ALARM** to exit the Clock Setting Mode.

NOTE The US time zones are PA (Pacific), MO (Mountain), CE (Central) and EA (Eastern).

NOTE The talking clock has 4 languages available - English, Italian, French and Spanish.



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BACKLIGHT

Press **SNOOZE / LIGHT** to activate the backlight for 8 seconds.

TEMPERATURE

The clock displays the current indoor temperature. To choose between °C / °F, press the °C / °F button to select the setting you want.

ALARM

ALARM DISPLAY AND SOUND

This product has two daily alarms that can be set to go off at the same time every day. You can choose to be woken up by a melody, beeping or talking alarm sound and / or vibration. See the table below for the alarm sound icon and its meaning:

ICON	MEANING
	Talking alarm is set
	Melody alarm is set. (There are 5 melodies and 1 beep alarm to choose from)
	Vibration alarm is set
	Talking and vibration alarms are set
	Melody and vibration alarms are set
No icons	No alarm is set

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SET THE ALARM(S)

1. Press and hold **ALARM** for 2 seconds.
2. Alarm 1 will start flashing. Use ▲ or ▼ to toggle between alarm 1 and 2.



3. Press **ALARM** to select alarm 1 or 2. The hour will start flashing.
4. Press ▲ or ▼ to change the setting.
5. Press **ALARM** to confirm the setting and move onto the next one.
6. The settings appear in the following order: Hour, minute, alarm type, alarm sound and alarm volume (if melody alarm has been selected).
7. The daily alarm is automatically turned on after setting.

ACTIVATE / DEACTIVATE THE ALARM(S)

- Press the **ALARM** button to toggle between alarm 1 and alarm 2 ON / OFF.
- When the alarm sound icons appear on the display the alarm is activated. When the icons do not appear the alarm is deactivated.

SNOOZE / TURNING THE ALARM OFF

When activated, the alarm icon flashes, the backlight and projector turn on for 8 seconds and the alarm sounds for 2 minutes if no key is pressed.

To silence the alarm:

- Press **SNOOZE / LIGHT** to silence it for 8 minutes. The alarm 1 or alarm 2 icon will flash to show snooze is enabled.
- OR
- Press any key except **SNOOZE / LIGHT** to mute the alarm and activate it again in 24 hours.

SLEEP TIMER / SOOTHING SOUND

You can choose 1 of 6 soothing sounds to play for a set time while you fall asleep:

- Bird
- Wind
- River
- Raindrop
- Waterfall
- Ocean Wave

To turn the sleep timer ON:

1. Press **Sound / (speaker icon) on / off** once, this will automatically activate the last setting you used.

If you want to change the time, sound or volume, continue as follows:

2. Press **▲** or **▼** to change the soothing sound volume.
3. Press **Sound / (speaker icon) on / off** to confirm.
4. Press and hold **Sound / (speaker icon) on / off** for 2 seconds to enter setting mode.
5. Press **▲** or **▼** to change the soothing sound.
6. Press **Sound / (speaker icon) on / off** to confirm.
7. Press **▲** or **▼** to set the sleep timer to turn off after 120 → 90 → 60 → 30 → 15 → or 0 minutes. When 0 minutes is selected the soothing sound will automatically turn off after a few seconds.
8. Press **Sound / (speaker icon) on / off** to confirm the setting. **SOUND** will flash on the LCD display to indicate that the sleep timer is activated.

TALKING CLOCK

The talking clock can learn to turn the projector on, the alarm(s) on or off, and tell you the time, temperature and alarm status by listening to simple commands given by you. It can recognize commands from up to 2 users. The talking clock voice prompts take you through how to train and use this feature.



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TRAIN THE TALKING CLOCK

To use the talking clock you need to train it to recognise your commands. To do this, follow the key steps below and listen to the clock's voice prompts:

TASK	ACTION
Start training program (1st time training)	Press Sound / ●) on / off or TALK
Select user 1 or 2	Press ▲ or ▼ . Then press TALK
Tell the clock a word you would like to become your password. (This word will be used from now on to activate the talking clock)	Say your password
Train the clock to recognize your commands. To do this, devise your own words for asking the clock to: <ul style="list-style-type: none"> • Check the time • Check alarm 1 and 2 status • Turn alarm 1 or 2 ON / OFF • Check the temperature • Turn the projector ON TIP The clock responds better to simple commands	Speak the command twice when asked
Skip to the next training command or train more commands	Press ▼
Exit the training program	Press Sound / ●) on / off
Re-do the training program	Press and hold TALK

USE THE TALKING CLOCK (ONCE IT HAS BEEN TRAINED)

Use the steps detailed below and listen to the voice prompts:

TASK	ACTION
Turn the talking clock ON	Press Sound / ●) on / off or TALK
Bypass the introduction	Press TALK
Activate the talking clock when it is in Standby Mode	Say your password
Listen to trained commands	Press TALK
Exit the talking clock	Let the unit idle and it will automatically go into Standby Mode
Turn the talking clock OFF	Press Sound / ●) on / off twice

NOTE When the talking clock is waiting for your voice commands, the icon ●) will flash to show it is waiting.

NOTE If the talking clock gets no response to its voice prompts after approx. 1 min, it will sound a beep and go into Standby Mode. To activate it, simply say your password.

NOTE The talking clock has 4 languages available - English, Italian, French and Spanish.

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The talking clock language can be changed in the Clock Setting Mode, see the "Set Clock / Calendar" section for further information.

TALKING CLOCK VOLUME

To change the talking clock volume, press ▲ or ▼ when the voice-activated function is on.

ERASE THE TALKING CLOCK TRAINED VOICE COMMANDS

1. Turn the AC adaptor power OFF and then ON again, or press **RESET**.
2. Press and hold **Sound / (🔊) on / off** and the screen below will appear.



3. Press **TALK** to erase the trained voice commands. The "||||" icon will stop moving when the memory has been erased.

PROJECTION UNIT

The projection unit can display both time and alarm status. To use this feature:

- Slide the **PROJECTION** switch to **ON** to activate continuous projection. However, this function will not work

unless the AC / DC adaptor is used.

- Adjust the **FOCUS** knob to make the image clearer.
- Adjust the **IMAGE ROTATION** knob to rotate the image clockwise or anti-clockwise.
- Manually tilt the projection unit to position the image or press the **180° ROTATION** button to reverse the image and turn it upside down.

NOTE You can also press the **SNOOZE / LIGHT** button to project the time and alarm status for 8 seconds.

WAKE-UP VIBRATING ALARM – VR101A (OPTIONAL)

The vibrating alarm receives a signal from the clock and performs a wake-up function by vibrating. It is designed to go under your pillow.

The device has a range of roughly 50 feet and has an LED meter to show data transmission and battery level.

The switch within the vibrating alarm can adjust to alarm 1 or alarm 2, or both. Simply select the alarm time on the clock unit when you want the vibrating alarm to wake you up.

NOTE The vibrating alarm is powered by 2 x UM-3 / AA 1.5V batteries. It is also compatible with rechargeable batteries.



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RESET THE CLOCK

Insert a thin blunt instrument into the hole below **RESET** to return to the default settings.

- Do not scratch the LCD display.

NOTE The technical specification of this product and contents of this user manual are subject to change without notice. Images not drawn to scale.

WARNINGS

This product is designed to give you years of service if handled properly. Oregon Scientific will not be responsible for any deviations in the usage of the device from those specified in the user instructions or any unapproved alterations or repairs of the product. Observe the following guidelines:

- Do not clean any part of the product with benzene, thinner or other solvent chemicals – this may cause permanent damage that is not covered by the guarantee. When necessary, clean it with a damp cloth.
- Never immerse the product in water. This can cause electrical shock and damage the product.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper with the internal components.
- Do not mix new and old batteries or batteries of different types.
- Do not use rechargeable batteries with this product.
- Remove the batteries if storing this product for a long period of time.

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TROUBLESHOOTING

PROBLEM	SYMPTOM	REMEDY
Clock time is not correctly set	No atomic clock signal reception	Place the clock far away from PCs, phones, and other electronic equipment and near a windowsill. Wait for at least 24 hours
No alarm	Alarm does not sound	Turn on the alarm setting
Operation not normal	Certain functions do not perform	Reset the clock
Calendar	Strange day	Check it is set to your own language
Clock	Cannot change clock	Disable the atomic clock signal and set manually
Clock / Calendar	Cannot auto-synchronize the clock	1. Adjust batteries 2. Press RESET
Temperature	Shows "LLL" or "HHH"	Temperature is out of range
Talking clock	Clock does not talk or respond to voice commands	1. Check the AC adaptor is plugged in 2. Check you are giving the clock a command it recognises. If the problem persists try re-training the clock using simpler commands

TECHNICAL SPECIFICATIONS

TYPE	DESCRIPTION
Main Unit Dimensions	
L x W x H	6.34 x 1.18 x 4.06 inches (161 x 30 x 103 mm)
Weight (without battery)	1.52 lbs (235 g)
Temperature	
Unit	°F / °C
Operating Range	32°F to +122°F (0°C to +50°C)
Indoor Range	23°F to +122°F (-5°C to +50°C)
Resolution	0.2°F (0.1°C)
Main Unit	
Atomic Clock Frequency System	WWVB-60
Synchronization	Auto or disabled
RF Frequency	433 MHz
Reception Range (for optional VR101A)	50 feet (15 meters) with no obstructions
Main Unit Display	
Clock	HH:MM:SS HH:MM:Day of week HH:MM:Time zone hour offset
Hour Format	12hr AM / PM
Calendar	DD / MM or MM / DD, user selectable. Weekday language: RM998PS – E, I, F and ES
Alarm	Daily dual alarm <ul style="list-style-type: none"> • 2-minute crescendo • 8-minute snooze



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Power	
Main Unit	3 x UM-4 (AAA) 1.5V batteries or 4.5V AC / DC adaptor

NOTE It is recommended that you use alkaline batteries with this product for longer performance.

NOTE Design and specifications are subject to change without notice.

NOTICES

STATEMENT OF RESPONSIBILITY

Oregon Scientific will not be held liable for any bodily injury, death, property damages, or any other claims of whatever nature resulting from the misuse or negligence of the product, whether intentional or unintentional.

Oregon Scientific will not be responsible for any deviations in the usage of the device from those specified in the user instructions or any approved alternations or repairs of the product.

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We hope you will find all the information you need on our website, however if you'd like to contact the Oregon Scientific Customer Care department directly, please visit: www2.oregonscientific.com/service/support OR Call 949-608-2848 in the US.

For international enquiries, please visit: <http://www2.oregonscientific.com/about/international/default.asp>



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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 to this unit 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. 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

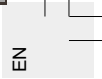
The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name: Oregon Scientific, Inc.
Address: 19861 SW 95th Place, Tualatin, Oregon
97062 USA
Telephone No.: 1-800-853-8883
Fax No.: 1-503-684-3332

declare that the product

Product No.: RM998PA
Product Name: NAPOLI Voice Activated Weather Station
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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