




**Weather Station with
Message Information Service**
Model :  R933HG / BAR936HG
User Manual





CONTENTS

Contents	1
Introduction	1
Product Overview	2
Front View	2
Back View	2
LCD Display	3
Remote Sensor (RTGR368N)	4
Getting Started	5
Batteries	5
AC Adaptor (Main Unit)	5
Change Settings	5
Remote Sensor	5
Set Up Thermo / Hygro Sensor (RTGR368N)	5
Sensor Data Transmission	6
Search for Sensor	6
Clock and Calendar	6
Radio-Controlled Clock	6
Turn Radio-Controlled Clock ON / OFF	6
Set Clock	7
Switch Clock Display	7
Alarms	7
Alarm Sound	7
Set Daily Alarm	7
Set Pre-Alarm	7
Activate Alarm	8
Snooze	8
Barometer	8
View Barometer Area	8
Select Measurement Unit	8
View Barometer History	8
Set Altitude	8
Weather Forecast	8
Weather Forecast Icons	8
UV Measurement	8
New Additional UV Features	9
Temperature and Humidity	9
View Temperature and Humidity Area	9
Select Measurement Unit	9
Select Sensor Channel	9
Minimum / Maximum Records	9
View Temperature and Humidity History	9
Temperature and Humidity Trend	10
Comfort Zone	10
Heat Index	10

Talking Clock	10
Enable / Disable Talk Function	10
Using the Talk Function	10
Talk Volume	10
Message Display	10
Backlight	11
Reset System	11
Safety and Care	11
Warnings	11
Troubleshooting	11
Specifications	12
About Oregon Scientific	12
EC-Declaration of Conformity	13

INTRODUCTION

Thank you for selecting the Oregon Scientific™ BAR933HG / BAR936HG Talking Weather Station. This powerful device bundles time keeping, weather messaging and monitoring, indoor and outdoor temperature and humidity readings, barometric trends and altitude adjustment, into a single tool you can use from the convenience of your home.

In this box, you will find:

- Main unit
- Remote sensor (RTGR368N)
- Optional UV sensor (UVR138)
- 6V AC adaptor
- Batteries

BAR933HG --- BAR933HG Main Unit + RTGR368N Remote Sensor

BAR936HG --- BAR936HG Main Unit + RTGR368N Remote Sensor + UVR138 UV Sensor

NOTE The THGR328N (5-Channel) and THGR228N (3-Channel) remote sensors are also compatible with this weather station. Additional sensors are sold separately. Please contact your local stockist for more information.

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



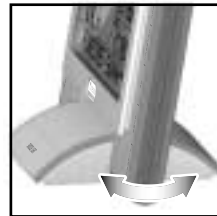
1. LCD display
2. **MODE**: Change settings / display
3. **MEMORY**: View current, maximum and minimum temperature / humidity / UV readings
4. **HISTORY**: View historical barometer / temperature / humidity and UV readings
5. **MESSAGE**: View different messages
6. **SNOOZE / LIGHT**: Activate 8-minute snooze or backlight
7. **SELECT**: Switch Areas
8. **CHANNEL**: Switch remote sensor display
9. **UP**: Increase setting / activate radio-controlled clock
10. **DOWN**: Decrease setting / deactivate radio-controlled clock
11. **ALARM / ***: View alarm status; set alarm

BACK VIEW



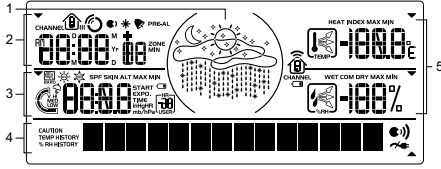
1. Ventilation holes
2. Battery compartment (bottom)
3. AC adaptor socket
4. **mb / inHg** button (in battery compartment)
5. **RESET** hole (in battery compartment)
6. **°C / °F** button (in battery compartment)

You can adjust the angle of the clock display as shown below:





LCD DISPLAY



1. **Weather Forecast Area:** Animated weather forecast
2. **Clock / Alarm / Calendar Area:** Radio-controlled clock; alarms; calendar
3. **UVI / Barometer Area:** UV Index and barometric pressure readings
4. **Message Display Area:** Displays general weather information and warnings
5. **Temperature / Humidity / Comfort Zone Area:** Readings and trend lines; comfort zone; sensor channel number

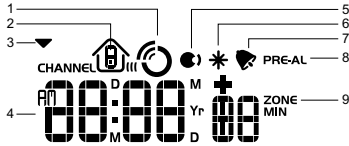
11. Low battery icon for UV sensor
12. UV exposure time for user
13. User no. (for UV Mode) or hour history for UVI / Barometric pressure reading

Message Display Area



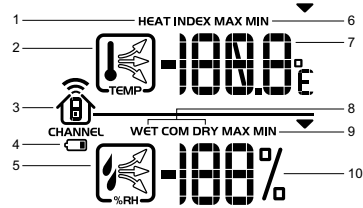
1. Message display
2. **CAUTION:** Appears when a warning message is displayed
3. **TEMPERATURE HISTORY**
4. **HUMIDITY HISTORY**
5. Talk function is ON
6. AC adaptor is disconnected

Clock / Alarm / Calendar Area



1. RF clock reception
2. Channel number (1-5)
3. Selected area icon
4. Time / date / calendar
5. Talking Alarm is set
6. Pre-Alarm is set
7. Beep Alarm is set
8. Pre-Alarm display / Pre-Alarm setting
9. Offset time zone

Temperature / Humidity / Comfort Zone Area



1. Heat Index
2. Temperature trend
3. Channel number (1-5) / reception status
4. Low battery icon for remote sensor OR low battery icon for main unit when indoor data is displayed
5. Humidity trend
6. MAX / MIN temperature
7. Temperature - °C / °F
8. Comfort levels
9. MAX / MIN humidity
10. Humidity

Barometer / UVI Area



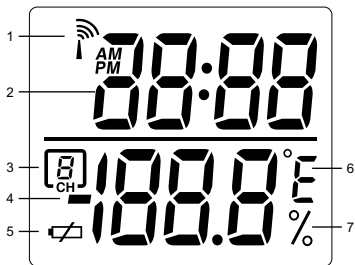
1. UVI value is showing
2. UV is showing
3. Barometric pressure is showing
4. UV index level
5. Altitude / barometric pressure / UVI reading
6. SPF applied to user for UV exposure
7. User skin type for UV exposure
8. Appears when setting the altitude
9. MAX / MIN UVI
10. UV exposure time countdown has started



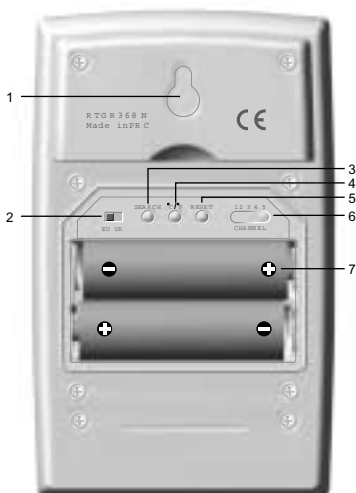
REMOTE SENSOR (RTGR368N)



1. LCD display
2. LED status indicator
3. Ventilation duct
4. Fold-out stand



1. Signal reception
2. Time
3. Channel number
4. Temp / humidity readings
5. Low battery icon
6. Temp (°C or °F)
7. Humidity %



1. Wall mount
2. EU / UK radio signal format switch
3. **SEARCH** button
4. °C / °F button
5. **RESET** button
6. **CHANNEL** switch (1-5)
7. Battery compartment



GETTING STARTED

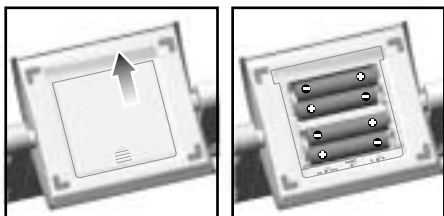
BATTERIES

Batteries are supplied with this product:

- Main unit 4 x UM-4 (AAA) 1.5V
- Remote unit 2 x UM-3 (AA) 1.5V


Insert batteries before first use, matching the polarity as shown in the battery compartment. For best results, install batteries in the remote sensor before the main unit. Press **RESET** after each battery change.


To install the main unit batteries:



NOTE Do not use rechargeable batteries.

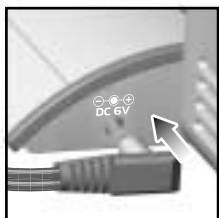
NOTE It is recommended that you use alkaline batteries with this product for longer performance.


 shows when batteries are low.

UNIT	 LOCATION
Main	Temperature / Humidity Area (when indoor data is displayed)
Remote	Temperature / Humidity Area
UV Sensor	UVI / Barometric Pressure Area

AC ADAPTOR (MAIN UNIT)

The batteries serve as a back-up power supply. For continuous use, please install the AC adaptor at the base of the unit:



 shows in the Message Display Area when the AC adaptor is not plugged in.

CHANGE SETTINGS

1. Press **SELECT** to switch between Areas. ▼ indicates the selected Area.



2. Most Areas have alternate display options (for example, Clock / Alarm or Barometer / UVI). Press **MODE** to switch options, or **ALARM** / * to switch between clock and alarm.
3. Press and hold **MODE** for 2 seconds to enter setting mode.
4. Press **UP** or **DOWN** to change settings.
5. Press **MODE** to confirm.

REMOTE SENSOR

This product is shipped with the RTGR368N Thermo / Hygro Sensor. The main unit can collect data from up to 6 sensors (5 Thermo / Hygro Sensors and 1 UV Sensor). The THGR328N and THGR228N sensors are also compatible with this weather station. (Additional sensors are sold separately. Contact your local stockist for more information.)

The RTGR368N sensor collects temperature and humidity readings, and signals from official time-keeping organizations for the radio-controlled clock.

SET UP THERMO / HYGRO SENSOR (RTGR368N)

1. Open the battery compartment with a small Phillips screwdriver.
2. Insert the batteries.
3. Set the channel and radio signal format. The switches are located in the battery compartment.

SWITCH	OPTION
Channel	If you are using more than one sensor, select a different channel for each sensor.
Radio Signal Format	EU (DCF) / UK (MSF)

4. Press **RESET**. Then set the temperature unit.

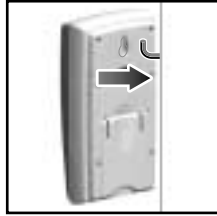
SWITCH	OPTION
Temp	°C / °F

5. Close the battery compartment.

To fold out the stand:



To use the wall mount:



For best results:

- Insert the batteries and select the unit, channel, and radio signal format before you mount the sensor.
- Place the sensor out of direct sunlight and moisture.
- Do not place the sensor more than 70 metres (230 feet) from the main (indoor) unit.
- Position the sensor so that it faces the main (indoor) unit, minimizing obstructions such as doors, walls, and furniture.
- Place the sensor in a location with a clear view to the sky, away from metallic or electronic objects.
- Position the sensor close to the main unit during cold winter months as below-freezing temperatures may affect battery performance and signal transmission.

NOTE The transmission range may vary and is subject to the receiving range of the main unit.

You may need to experiment with various locations to get the best results.

SENSOR DATA TRANSMISSION

Data is sent from the sensor(s) every 60 Seconds. The reception icon shown in the Temperature / Humidity Area indicates the status.

ICON	DESCRIPTION
	Main unit is searching for sensors.
	At least 1 channel has been found.
	Sensor 1 is sending data. (The number shows which sensor is selected.)
— shows in Temp / Humidity Area	The selected sensor cannot be found. Search for the sensor or check batteries.

SEARCH FOR SENSOR

To search for a Thermo / Hygro sensor, press **SELECT** to navigate to the Temperature / Humidity Area. ▼ will show next to the Area. Then, simultaneously press and hold **MEMORY** and **CHANNEL** for 2 seconds.

To search for the UV sensor, press **SELECT** to navigate to the UVI / Barometer Area. ▼ will show next to the Area. Then, press and hold **MEMORY** and **CHANNEL** for 2 seconds.

NOTE If the sensor is still not found, check the batteries.

CLOCK AND CALENDAR

This product tracks the time and date based on radio-controlled signals from the RTGR368N remote sensor, or manual settings that you enter.



RADIO-CONTROLLED CLOCK

The time and date are automatically updated by radio-controlled clock signals from official time-keeping organizations in Frankfurt (Germany) and Rugby (England) unless you disable this feature. The signals are collected by the remote sensor (RTGR368N) whenever it is within 1500 km (932 miles) of a signal.

Initial reception takes 2-10 minutes, and is initiated when you first set up the unit, and whenever you press **RESET**. Once complete, the reception icon will stop blinking.

The icon shown in the Clock Area indicates 2 factors:

- Connection between the main unit and the sensor that collects RF signals ()
- RF signal reception ()

How these signals work together:

ICON	MEANING
	The unit has contact with the sensor and has synchronized the time.
	The unit has contact with the sensor but the time has not been synchronized.
	The unit has lost contact with the remote sensor but the time is synchronized.
	The unit has lost contact with the remote sensor and the time is not synchronized.
	The unit cannot reach the remote sensor.

NOTE To force a manual search for RF clock reception, press and hold **SEARCH** on the sensor (RTGR368N) for 2 seconds.

TURN RADIO-CONTROLLED CLOCK ON / OFF

If you wish to manually set the clock, you must first disable the radio-controlled feature. To do this, navigate to the Clock / Alarm Area. Then, press and hold **DOWN** on the main unit for 2 seconds. To enable it, navigate to the Clock / Alarm Area, then press and hold **UP** for 2 seconds.



RF clock enabled:



RF clock disabled:



SET CLOCK

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

1. Press **SELECT** to navigate to the Clock Area. ▼ will show next to the Area.
2. Press and hold **MODE** for 2 seconds.



3. Select the time zone offset hour (+ / -23 hours), 12 / 24 hour format, hour, minute, year, date / month format, month, date, and display language.
4. Press **UP** or **DOWN** to change the setting.
5. Press **MODE** to confirm.

NOTE The language options are (E) English, (F) French, (D) German, (I) Italian, and (S) Spanish. The language you select determines the weekday display, talking function and message display.

NOTE If the talk function is enabled then the talk settings will follow after the display language. Please see the "Talking Clock" section for further information.

SWITCH CLOCK DISPLAY

Press **SELECT** to navigate to the Clock Area. ▼ will show next to the Area.

Press **MODE** to toggle between:

- Clock with seconds
- Clock with day
- Clock with time-zone offset
- Calendar

ALARMS

This product has 2 alarms: The Daily Alarm and a Pre-Alarm for snowy weather. The Daily Alarm can be set to go off at the same time every day. The Pre-Alarm sounds only when the Daily Alarm is activated and the recorded temperature from Channel 1 sensor falls to 2°C (35.6°F) or below.

ALARM SOUND

The alarms can be set to sound either a beeping alarm or a talking alarm. However, the sound you choose i.e. beeping or talking will apply to both the Daily and Pre-Alarm.

The beeping alarm will beep for 2 minutes and get louder and faster during this time.

The talking alarm will beep 4 times and then tell you the time for 2 minutes in the selected language.

NOTE The talking alarm will only sound if the AC adaptor is being used. If the adaptor is not plugged in, the beeping alarm will sound.



DAILY ALARM

1. Press **SELECT** to navigate to the Clock Area. ▼ will show next to the Area.
2. Press **ALARM** / * to view the alarm. (AL will show at the top.)



3. Press and hold **ALARM** / * for 2 seconds.
4. Select the hour, minute, talking or beep alarm. Press **UP** or **DOWN** to change settings.
5. Press **ALARM** / * to confirm.
6. The Beep Alarm icon 📢 or the Talk Alarm icon 🗣️ icon will appear when the alarm is set.

SET PRE-ALARM

The Pre-Alarm can be set to sound 15, 30, 45, or 60 minutes before the Daily Alarm. It will sound whenever the recorded temperature from Channel 1 sensor falls to 2°C (35.6°F) or below.

For example, if you set the alarm to 7:00 AM, and the Pre-Alarm to 45 minutes, the Pre-Alarm will sound at 6:15 AM provided the outdoor temperature at Channel 1 sensor is 2°C or below.

1. Set up and activate the Daily Alarm.
2. Press **ALARM** / * to switch to Pre-Alarm view. (PRE-AL will show at the top.)



3. Press and hold **ALARM** / * for 2 seconds.
4. Press **UP** or **DOWN** to select 15, 30, 45 or 60 minutes. This is the amount of time the Pre-Alarm will sound BEFORE the Daily Alarm. The Pre-Alarm is automatically activated when you select a time.
5. Press **ALARM** / * to confirm.
6. * shows when the Pre-Alarm is set.

NOTE The Daily Alarm will NOT function until the next day if the Pre-Alarm has been triggered. Also, if you deactivate the Daily Alarm, the Pre-Alarm is automatically deactivated.



ACTIVATE ALARM

Navigate to the Clock Area, then press **ALARM** / * to switch to Daily Alarm or Pre-Alarm view. To activate or deactivate the alarm, press **UP** or **DOWN**.

When the alarm time is reached, the backlight will be on for 5 seconds and crescendo alarm will sound for 2 minutes. Press any key (except snooze) to silence the alarm. It will sound at the same time the next day.

SNOOZE

Press **SNOOZE** / **LIGHT** to temporarily disable the alarm for 8 minutes. ☀ or ☾, or * will blink while Snooze is on.

BAROMETER

This product tracks fluctuations in barometric pressure to provide the weather forecast, and the current and past 24 hours barometric pressure history measurements are recorded by the main (indoor) unit.

VIEW BAROMETER AREA

Press **SELECT** to navigate to the Barometer Area.



If  is **NOT** shown, press **MODE**.

SELECT MEASUREMENT UNIT

Slide the **mb / inHg** switch (in the battery compartment), to change the display unit.

VIEW BAROMETER HISTORY

To view the last 24 hours barometric history, navigate to the Barometer Area. Then press **HISTORY** repeatedly to scroll through the measurements. The number shown in the HR box indicates how long ago each measurement was taken (e.g. 2 hours ago, 3 hours ago, e.t.c.).



SET ALTITUDE

Set the altitude to match how far above or below sea level you are living. This ensures that the barometric pressure readings are accurate.

1. Navigate to the Barometer Area.
2. Press and hold **HISTORY** for 2 seconds.
3. Press **UP** or **DOWN** to set the altitude in 10-metre increments (-100m to 2500m).
4. Press **HISTORY** to confirm.

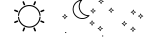


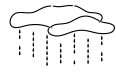

WEATHER FORECAST

This product forecasts the next 12 to 24 hours of weather within a 30-50 km (19-31 mile) radius. The forecast is based on barometric pressure trend readings.



The top area shows an animated icon indicating the forecasted weather.

WEATHER FORECAST ICONS

ICON	DESCRIPTION
 Day / Night	Clear
 Day / Night	Partly cloudy
	Cloudy
	Rainy
	Snowy

NOTE The night time icon displays from 6 PM to 6 AM. When the Channel 1 sensor records a temperature of 2°C (35.6°F) or lower, the RAINY icon becomes SNOWY.

UV MEASUREMENT

The UVR138 Ultra-Violet Radiation Sensor is included with the BAR986HG and is available as an optional item for the BAR933HG. The UV sensor gives you the following information at your fingertips:

- 10-hour Ultra-Violet Index (UVI) record.
- Automatic calculation of acceptable UV exposure times based on pre-set user profiles (4 users maximum).
- UVI DangerAlert when UV Index reaches unsafe levels.

UV data is shown in the same area as the Barometer. Press **SELECT** to navigate to the Barometer Area, then press **MODE** to display the **UV icon** and **data**.

NOTE Refer to the UVR138 User Manual for more information and see below to learn about the new additional UV features.



NEW ADDITIONAL UV FEATURES

UV EXPOSURE TIME COUNTDOWN

To set the exposure time countdown you need to set the Skin Type and Sun Protection Factor (SPF) as follows:

1. Press **SELECT** to navigate to the Barometer Area, then press **MODE** to select the UV display.



2. Press **CHANNEL** to select user 1-4.
3. Press and hold **MODE** for 2 seconds to enter the Skin Type Setting Mode of the selected user.
4. Press **UP** or **DOWN** to choose 1 of the 4 skin type settings. Then press **MODE** to confirm and enter the SPF Set Up Mode.
5. Press **UP** or **DOWN** to increase or decrease the SPF value. Then press **MODE** to confirm and enter the UV Exposure Time Count Down Setting Mode.
6. Press **UP** or **DOWN** to enable/disable countdown. Press **MODE** to exit the **Remaining Exposure Time Display Mode** and **START** the exposure time countdown. The remaining user UV exposure time will display and the **START** icon will flash.
7. When the countdown has reached "0", an alarm will sound for 2 minutes. Press any button to turn the alarm off. The **TIME** icon will flash for 2 minutes even if you have stopped the alarm sound.

MAXIMUM / MINIMUM MEMORY FOR UVI

To view the maximum and minimum memory for UVI:

1. Press **SELECT** to navigate to the Barometer Area.
2. Press **MODE** to select the UV display.
3. Press **MEMORY** to show maximum, minimum and current UVI readings.
4. Press and hold **MEMORY** for 2 seconds to clear the UVI memory.

NOTE The UV sensor must be activated before you try and set the additional features. Please refer to the UVR138 User Manual for more information.

TEMPERATURE AND HUMIDITY

The weather station can display the following information from any of the 5 remote sensors:

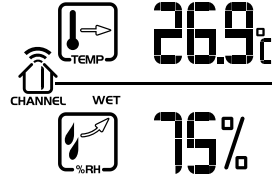
- Current, minimum, and maximum temperatures and relative humidity percentages.
- Comfort level indicator and trend line (rising, falling, or steady).

Data is collected and displayed approximately every 60 seconds.

VIEW TEMPERATURE AND HUMIDITY AREA

Press **SELECT** to navigate to the Temperature and Humidity Area.

Temperature data is given at the top, humidity is below.



SELECT MEASUREMENT UNIT

Slide the °C / °F switch (inside the battery compartment), to the setting you want.

SELECT SENSOR CHANNEL

Press **CHANNEL** to switch between outdoor sensors 1-5 and indoor temperature and humidity readings.

- indicates outdoor remote sensor channel; corresponding temperature and humidity readings are displayed.
- indicates indoor temperature and humidity readings are displayed.

- To auto-scan between sensors, press and hold **CHANNEL** for 2 seconds. Each sensor's data will be displayed for 3 seconds.
- To end auto-scan, press **CHANNEL** or **MEMORY** with the Temperature / Humidity Area selected.

NOTE If you select a sensor that collects only temperature data, the humidity will not be shown.

MINIMUM / MAXIMUM RECORDS

- Press **MEMORY** repeatedly to view current, maximum and minimum records for the selected sensor.
- To clear the records, press and hold **MEMORY** for 2 seconds. A beep will sound to confirm that the memory has been cleared

VIEW TEMPERATURE AND HUMIDITY HISTORY

To view the last 24 hours temperature and humidity history, navigate to the Temperature or Humidity Area. Then press **HISTORY** repeatedly to scroll through the measurements. The number shown to the right of the display indicates how long ago each measurement was taken (e.g., 2 hours ago, 3 hours ago, etc.).

Temperature history:



Humidity history:



TEMPERATURE AND HUMIDITY TREND

The trend lines are shown next to the temperature and humidity readings.

TREND	RISING	STEADY	FALLING
TEMPERATURE			
HUMIDITY			

COMFORT ZONE

The Comfort Zone indicates how comfortable the climate is, based on current temperature and humidity measurements.

ZONE	TEMPERATURE	HUMIDITY
WET	Any	>70%
COM	20-25°C (68-77°F)	40-70%
DRY	Any	<40%

NOTE This information is shown in the Humidity Area when the current measurement is displayed.

HEAT INDEX

The Heat Index advises 4 levels of warning if the temperature is high.

DANGER CATEGORY	TEMPERATURE	
	°C	°F
Extreme danger	>54.5	>130
Danger	40.5-54.4	105-130
Extreme Caution	32.2-40.5	90-105
Caution	26.6-32.2	80-90

To display the Heat Index:

1. Press **SELECT** to navigate to the Temperature Area.
▼ will show next to the Area.
2. Press **MODE** to reach the Heat Index display.
3. Press **CHANNEL** to select the desired channel.

NOTE If the temperature is below 26°C / 80°F, or the desired channel is not working, the Heat Index will display "NA".

TALKING CLOCK

Your clock can keep you informed of the time, temperature, humidity and weather forecast by the press of a button or at pre-set times.

NOTE To use any talking function, the AC adaptor must be connected.

ENABLE / DISABLE TALK FUNCTION

To enable or disable the talk function:

- Plug or unplug the adaptor.
- OR
- Press and hold **UP** and **DOWN** for 3 seconds.

☎ will appear in the bottom, right-hand corner of the LCD display when the talk function is enabled.

NOTE If you are using the adaptor and want to turn the talk function OFF, then press and hold **UP** and **DOWN** for 3 seconds.

USING THE TALK FUNCTION

To instantly hear the current time, indoor temperature, humidity and weather forecast, press and hold **SNOOZE / LIGHT** for 3 seconds.

To hear the time, temperature, humidity and weather forecast every hour for a set period of time i.e. 6pm to 10pm, or once every 24 hours:

1. Press **SELECT** to navigate to the Clock / Alarm Area.
2. Press and hold **MODE** for 2 seconds.
3. Press **MODE** to scroll through until you reach the talk setting, (it appears immediately after display language).
4. Select 1hr or 24hr broadcast, talk start-time, talk stop-time and talk volume.
5. Press **UP** or **DOWN** to change the setting.
6. Press **MODE** to confirm.

NOTE If you select the 24-hour talk function, you do not need to enter a talk stop-time.

TALK VOLUME

The talk function icon appears in the bottom, right-hand corner of the LCD display.

ICON	VOLUME LEVEL
	Low
	Medium
	High

See "Using the Talk Function" section for how to adjust the volume.

MESSAGE DISPLAY

Your clock can display messages and warnings in 5 languages. If a warning is being issued **CAUTION** will flash.

To display messages:

Press **MESSAGE**, the display box text will flash for 5 seconds and then the message will scroll across the display.



Heat Index Messages:

MESSAGE	DEFINITION
Heat Index	N / A
Possibility of heat exhaustion	26.7°C to 32.2°C / 80°F to 90°F
Strong heat: Possibility of dehydration	32.2°C to 40.5°C / 90°F to 105°F
Very strong heat: Heat exhaustion likely	40.5°C to 54.4°C / 105°F to 130°F
Intense heat: Strong possibility of heat stroke	54.4°C / 130°F or greater




UV Index Messages (displays only when optional UV sensor is connected):

MESSAGE	DEFINITION	
UV: Apply sunscreen	0-2	Low
UV: Wear protective clothing	3-5	Medium
UV: Wear sunglasses & protective clothing	6-7	High
UV: Avoid the sun between 10AM to 4PM	8-10	Very high
UV: Very strong rays stay indoors	>= 11	Extremely high
UV: Time is up	Max. exposure time to sun is up	

Weather Forecast Messages:

- Forecast: Sunny enjoy your day
- Forecast: Partly cloudy
- Forecast: Cloudy
- Forecast: Rainy don't forget your umbrella
- Forecast: Snowy

Weather Warnings (based on Channel 1 sensor's data):

MESSAGE	DEFINITION
Freeze Alert: Wrap pipes & cover your vegetation	Dew Point & Current Temperature  C / 32°F
Ice Alert: Possibility of black ice when driving	-2 to 3°C (28.4 to 37.4°F) 
Fog Alert: Possibility of poor visibility when driving	Temperature - Dew Point < 5°F / -15°C 

NOTE To change the display language, see "Set Clock" section.

BACKLIGHT

Press **SNOOZE / LIGHT** to illuminate the backlight for 5 seconds.

RESET SYSTEM

The **RESET** button is located at the bottom of the unit. Press **RESET** when you change the batteries and whenever performance is not behaving as expected (for example, you are unable to establish radio frequency link with remote unit or radio-controlled clock).

NOTE When you press **RESET**, all settings will return to default value, and you will lose all stored information.

SAFETY AND CARE

Clean the product with a slightly damp cloth and alcohol-free, mild detergent. Avoid dropping the product or placing it in a high-traffic location.



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:

- Never immerse the product in water. This can cause electrical shock and damage the product.
- Do not subject the main unit 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.
- Do not scratch the LCD display.

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

TROUBLESHOOTING

PROBLEM	SYMPTOM	REMEDY
Barometer	Strange readings	Set altitude / unit (-> 8)
Calendar	Strange date / month	Change language (-> 7)
Clock	Cannot adjust clock	Disable radio-controlled clock (-> 6)
	Cannot auto-synch	1. Adjust batteries (-> 5) 2. Press RESET (-> 11) 3. Manually activate radio-controlled clock (-> 7) 
Temp	Shows "LLL" or "HHH"	Temperature of-range 
Talk function	No talking function	Connect to AC adaptor (-> 5)
Remote sensor	Cannot locate remote sensor	Check batteries (-> 5)

SPECIFICATIONS

Main Unit Dimensions

L x W x H	295 x 86 x 110 mm (11.61 x 3.39 x 4.33 inches)
Weight	386 grams (0.85 lbs) without battery

Remote Unit Dimensions

L x W x H	70 x 24.5 x 116 mm (2.76 x 0.96 x 4.57 inches)
Weight	114 grams (0.25 lbs) without battery

Temperature Unit

	°C or °F
Indoor Range	-5°C to 50°C (23°F to 122°F)
Outdoor Range	-20°C to 60°C (-4°F to 140°F)
Resolution	0.1°C (0.2°F)
Comfort	20°C to 25°C (68°F to 77°F)
Memory	Min / Max

Relative Humidity

Indoor Range	25% to 95%
Outdoor Range	25% to 100%
Resolution	1%
Comfort	40% to 70%
Memory	Min / max

Barometer Unit

	mb / hPa or inHg
Resolution	1 mb (0.03 inHg)
Altitude	-100 to 2500 metres (-328 to 2734 feet)
Weather Display	Sunny (day / night), partly cloudy (day / night), cloudy, rainy, snowy

Remote Unit (RTGR368N)

RF frequency	433 MHz
Range	Up to 70 metres (230 feet) with no obstructions
Transmission	Approx. every 1 minute
Channel No.	1, 2, 3, 4 or 5
Unit	°C or °F

Radio-Controlled Clock

Synchronization	Auto or disabled
Clock Display	HH:MM:SS
Hour Format	12hr AM / PM (MSF format) 24hr (DCF format)
Calendar	DD / MM or MM / DD;
Day of the Week in	
1 of 5 Languages	(E, G, F, I, S)

Alarm

Daily & Pre-Alarm;
2-minute crescendo
beep or talk alarm

Snooze

8-minute snooze

Power

Main Unit

Power adapter	6V AC adapter
Batteries	4 x UM-4 (AAA) 1.5V

Thermo / Hygro Remote Unit

Batteries	2 x UM-3 (AA) 1.5V
-----------	--------------------

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

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.

Where 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 949-308-2848 in the US. For international enquiries, please visit www2.oregonscientific.com/about/international/default.asp



EC DECLARATIONS OF CONFORMITY

This product contains the approved transmitter module that complies with the essential requirements of Article 3 of the R&TTE 1999 / 5 / EC Directive, if used as intended and the following standards have been applied:

Safety of information technology equipment
(Article 3.1.a of the R&TTE Directive)
Applied Standard **EN 60950: 2000**

Electromagnetic compatibility
(Article 3.1.b of the R&TTE Directive)

Applied Standards
ETSI EN 301 489-1-3 (Ver.1.4.1): 2002-08

Efficient use of radio frequency spectrum
(Article 3.2 of the R&TTE Directive)

Applied Standards
ETSI EN 300 220-3 (Ver1.1.1): 2000-09

Additional information:
The product herewith complies with the requirements of the Low Voltage Directive 73 / 23 / EC, the EMC Directive 89 / 336 / EC and carries the CE marking accordingly.

Carmelo Cubito
Agrate Brianza (MI) / Italy January 2004
Manufacturer's EU R&TTE Representative



COUNTRIES RTTE APPROVAL COMPLIED

All EC countries, Switzerland **(CH)**
and Norway **(N)**



EN



© 2004 Oregon Scientific. All rights Reserved.
P/N.:086-000000-000

