



**Weather Station With
Atomic Clock
Model IWA-80051
User's Instructions**

Please read these instructions carefully and store them in a safe place for future reference.

FEATURES

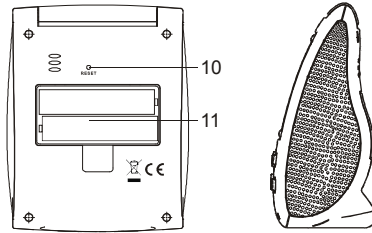
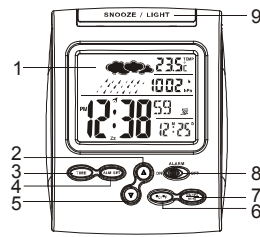
- Multi-language calendar: English/German/French/Spanish
- Manual time setting
- Daily alarm with snooze
- Indoor temperature (°C / °F selectable)
- E.L. Backlight
- mb/hPa or inHg selectable
- 12 to 24 hour weather forecast
- Daylight Saving Time (DST)
- Moon phase display
- Time zone display: Eastern, Central, Mountain & Pacific

FUNCTION KEYS

- SNOOZE/LIGHT bar:** Stop alarm sound and turn on E.L. backlight. Pressing and holding it for 8 seconds can stop the current RC reception.
- TIME key:** In normal time mode, press it once to toggle between month & date and year display. Keep it pressed for 2 seconds to enter time setting mode. In setting mode, press it to step the setting items.
- ALM SET key:** In normal time mode, press it to display Alarm time. In Alarm time mode, keep it pressed for 2 seconds to enter alarm time setting mode. In alarm time setting mode, press it to step the setting items.
- UP key:** In setting mode, increase the setting value. For WWVB version, pressing UP key can set the desired Time Zone.
- DOWN key:** In setting mode, decrease the setting value. In normal time mode, press it to toggle between 12 and 24hour format.
- °C/°F key :** Toggle between °C and °F format. Keep it pressed for 3 seconds to seek RC signal instantly.
- mb/hPa or inHg key:** Toggle between mb/hPa and inHg display.
- RESET key:** In case of mal-function after insert of battery, use a pin to press the RESET key to restart the clock. In case of no display on LCD while inserting batteries, use a pin to press the RESET key to activate the clock.
- ALARM ON/OFF switch:** Switch alarm & snooze function on or off.

PRODUCT DESCRIPTIONS

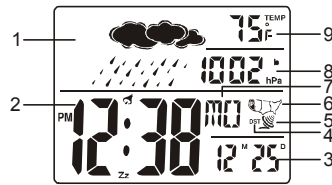
1. LCD display
2. UP key
3. TIME key
4. ALM SET key
5. DOWN key
6. °C/°F key
7. mb/hPa or inHg key
8. ALARM ON/OFF switch
9. SNOOZE/ LIGHT bar
10. RESET key
11. Battery compartment



DISPLAY SYMBOLS

LCD display

1. Weather forecast & moon phase display
2. Clock display
3. Year/ month & date/ alarm time display
4. Daylight savings time indicator
5. Signal strength indicator
6. Time zone map
7. Second /day of the week display
8. Atmosphere pressure display
9. Temperature display



NOTE:

Seconds and Day of the Week Display: Automatically toggles every 30 seconds from Day to Seconds. Toggles back to Seconds after 92 seconds.

INSTALLING OR REPLACING THE BATTERIES

- Begin by opening the battery compartment cover at the back of the clock.
- Insert 2 AAA batteries (not included) into the battery compartment and make sure the polarity is correct by following the (+ or -) symbols engraved inside.
- Replace the battery whenever the display becomes dim or difficult to read.

SELECT THE TIMEZONE (WWVB VERSION ONLY)

Make sure the time zone is already set to appropriate location. The default time zone is Pacific zone. If your location is not of Pacific zone, please press the UP key to set the desired Time zone.

RADIO CONTROLLED TIME FEATURE

After the first signal is received, the clock will automatically seek the atomic clock signal that is transmitted by the National Institute of Standards and Technology in Fort Collins, Colorado. Delete all other words after "Colorado".

SIGNAL STRENGTH INDICATOR FOR RADIO CONTROLLED TIME SETTING

The signal indicator displays signal strength in 3 levels. Wave segment flashing means time signals are being received. The signal quality is indicated:



If the RC clock receives a successful signal, a sync-time symbol will appear on the LCD.

ABOUT THE DAYLIGHT SAVINGS TIME (DST)

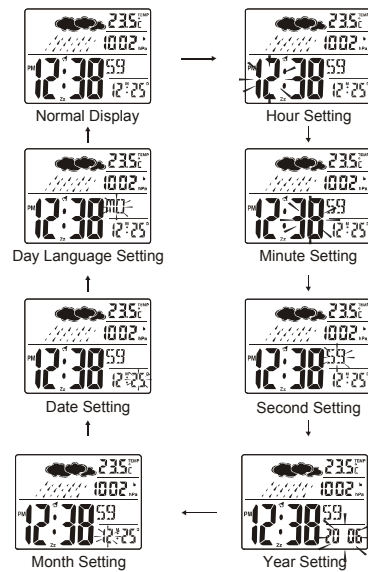
This clock has been pre-programmed to automatically switch when daylight savings time is in effect. Your clock will show "DST" on the display during this time.

NOTE:

With the pre-programmed DST feature, if you live in an area where Daylight Savings Time is not observed, the time display on your clock will read +/- one hour during the DST time period.

SETTING THE TIME MANUALLY

- To set the time, please follow these steps:
- In normal time mode, press the TIME key for 2 seconds until the HOUR digit flashes.
 - Press UP or DOWN key to change the value of the flashing digit.
 - Press the TIME key again to step the setting items. The setting sequence will be: Hour > Minute > Second > Year > Month > Date > Day language.
 - Press the UP or DOWN key to select the day language: GB=English FR=French DE=German ES=Spanish IT=Italian
 - Press TIME key to exit the setting mode.

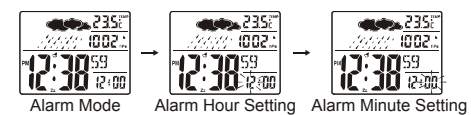


NOTE:

In normal time mode, pressing the DOWN key will toggle between the 12 and 24 hour formats.

SETTING THE ALARM

- In normal time mode, press ALM SET key to enter alarm time mode.
- Press the ALM SET key for 2 seconds until the alarm hour digit flashes.
- Press UP or DOWN key to increase or decrease the value of flashing digit.
- Press ALM SET again to move through each setting. The sequence will be: Hour > Minute.



NOTE:

12/24hour format of alarm time display are based on the normal time format.

USING THE ALARM AND SNOOZE FUNCTION

- To activate the alarm, slide the [ALARM ON/OFF] to the [ON] position, the bell indicator will appear on the display.
- To deactivate alarm, slide the [ALARM ON/OFF] button to the [OFF] position, the bell indicator will disappear.

NOTE:

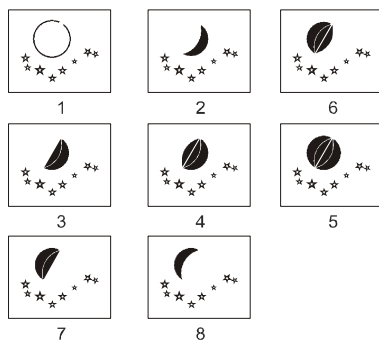
The snooze will be on automatically after activating the alarm.

- When the alarm is sounding, pressing [SNOOZE/ LIGHT] can stop the current sound and advance to enter snooze period.
- When the Alarm function is sounding, if you do not activate the snooze button the 4-step crescendo alarm will automatically snooze once every 4 minutes for a total of 3 times. The alarm duration is 60 seconds.

ABOUT THE MOON PHASE:

The unit has 8 different moon phases. It will change according to the lunar calendar.

1. New moon
2. Waxing crescent
3. First quarter
4. Waxing Gibbous
5. Full moon
6. Waning Gibbous
7. Last quarter
8. Waning crescent



NOTE:

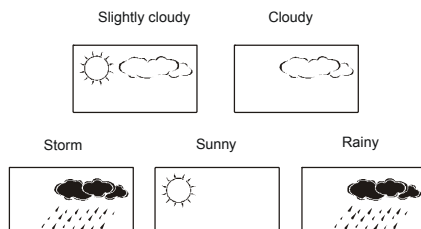
The moon and stars are displayed only when the weather is fine and in between 8:00PM to the next day 6:00AM. The weather condition is based on the atmospheric pressure data collected.

WEATHER FORECAST

The built-in barometer can notice atmospheric pressure changes. Based on the data collected, it can predict the weather condition in the next 12-24 hours. The effective coverage area ranges from 20 to 30 miles.

NOTE:

1. The accuracy of a general pressure-based weather forecast is about 70 to 75%.
2. The weather forecast is meant for next 12 to 24 hours. It may not necessarily reflect the current situation.
3. The sun can only appear from 6:00AM to 8:00PM.



ATOMIC CLOCK FEATURE

NOTE:

At any time, you can press and hold the [°C/ °F] button for three seconds to make the clock seek the atomic radio signal and set itself automatically. The signal strength indicator will blink on the display as the clock seeks out the signal.

In case of no display on LCD while inserting batteries, use a pin to press the RESET key to activate the clock.

When the signal icon on the clock flashes, this indicates that the clock is receiving the radio signals. When the time code is received the signal icon turns on. If the signal icon does not appear at all and the time is not yet set, please take note of the following:

- We recommend keeping the minimum distance of 8 feet from any interfering source like TV's or computer monitors.
- Within concrete rooms (basements, superstructures, office buildings), the received signal will be weakened. In extreme cases, the unit should be placed close to a window.
- Avoid placing the unit on or close to any metal objects or surfaces.

- Don't start reception in a moving article such as vehicle or train.
- During the night, the atmospheric disturbances are usually less severe and reception is possible in most cases. A single daily reception is adequate to keep the accuracy within 1 second.



NOTE:

It is recommended that for the first use of the clock, you set the clock manually and then allow the Radio Control signal to update the time setting each day.

CARE OF YOUR CLOCK

- Replace the battery promptly when necessary and store the clock without batteries when not in use. It is time to replace the batteries when the LCD display becomes dim.
- Clean your clock with a soft cloth or paper towel. Do not use corrosive cleaners or chemical solutions on the clock.
- Avoid putting the clock in a highly humid environment such as poolside or in a bathroom.
- Do not expose the clock to direct sunlight, extreme hot or cold temperatures.

NOTE:

Attention! Please dispose of used unit and batteries in an ecologically safe manner.



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.
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