

RS9803ELC2-WWVB USER'S MANUAL

I . Features

1. Weather forecast for 4 states: sunny, partly cloudy, cloudy, rainy
2. Seven function keys: **MODE**, **°C/°F**, **UP/ALARM ON/OFF**, **DOWN/TIME ZONE**, **MAX/MIN**, **CHANNEL**, **SNOOZE/LIGHT**
3. Alarm and snooze
4. Indoor temperature and humidity
5. Outdoor temperature/ humidity with RF: up to 3 channels
6. Indoor/outdoor temperature and humidity max/min record
7. Key sound function
8. day of the week in 7 languages:NET,DAM,ESP,ENG,GER,FRE,ITA
9. Tolerance: temperature:±2°C,humidity:±8%
10. DST default: ON

II . Main UNIT

1. Insert adaptor plug into main unit DC outlet.
2. The backlight will be on, all of the icons and the digits of the LCD will display for 3 seconds. It then beep and enter normal state.
3. Weather forecast indicator lamp light up from Sunny to Rainy, the defaults partly cloudy.
4. The clock/calendar defaults to AM12:00 Jan 1,2010
5. Alarm defaults to AM 12:00
6. Temperature unit defaults to degree Fahrenheit (°F).
7. Time display defaults is 12 hours mode

Note: The main unit is recommended to be powered by adaptor instead of batteries.

III. SETTING INSTRUCTIONS

3.1 Normal states

1. Hold **MODE** to switch time and alarm display mode
2. Hold **MODE** to enter into time setting
3. Click **“UP/ALARM ON/OFF”** or **“°C/°F”** to switch between °C/°F
4. Click **“MAX/MIN”** to switch Maximum/Minimum temperature and humidity
5. Hold **“MAX/MIN”** for 2 seconds to clear the history record of temperature and humidity
6. When alarm rings, click **“SNOOZE/LIGHT”** to enter into the snooze state every 5 minutes
7. Click **“SNOOZE/LIGHT”**, the weather indicator light move a cycle
8. Press **“CHANNEL”** to switch RF channel, CH1 →CH2→CH3
9. Hold **“CHANNEL”** key for 2 seconds to clear out all data of current “Channel”

3.2 Time set

Under time display mode

1. Hold **“MODE”** button for 2 seconds to enter into time setting
2. With each press of the **MODE** button, it will advance through the following sequence of time setting: 12/24 hour →Hour →Minute → year→ MD/DM selectable→ month→ date→ language→DST(ON/OFF) → Exit

3. The active setting will flash
4. Press “MODE” to confirm the setting, and enter the next setting state
5. Press “UP/ALARM ON/OFF” one time, the setting will go ahead for one step; hold the key for 2 seconds, it will run forward by 8 steps/second.
6. Press “DOWN/TIME ZONE” one time, the setting will backward for one step; hold for 2 seconds, it will run back by 8 steps/second.
7. The system will exit automatically if no key is operated in 30 seconds

3.3 DOWN/TIME ZONE key

1. click “DOWN/TIME ZONE” to change zone, the sequence: p→m→c→e.
2. Hold “DOWN/TIME ZONE” for 2 seconds to enter into RCC receiving.

3.3 MAX/MIN Key:

- a. Click MAX/MIN to switch Maximum/Minimum temperature and humidity
- b. Hold MAX/MIN for 2 seconds to clear the history record of temperature and humidity

3.4. °C/°F Key:

Click °C/°F to switch between °C/°F

3.5 Alarm set

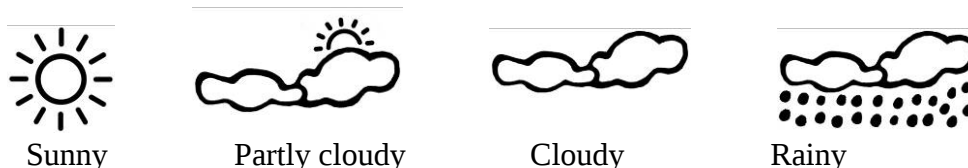
Under Time display mode, click “MODE” to enter into Alarm display. Then hold “MODE” for 2 seconds to enter into Alarm setting.

1. With each press of MODE button, it will advance through the following sequence: hour → minute
2. Press UP/ALARM ON/OFF and DOWN/TIME ZONE to set the desired hour and minute. Press MODE to confirm setting
3. When alarm rings, press SNOOZE/LIGHT to enter snooze mode. The alarm will ring after every 5 minutes and the alarm icon and Z^z will flash. Press any other buttons to stop
4. The alarm will sound again at the same time the next day until it is turned off

IV. Operations

4.1 Weather forecast

Place the weather station in a natural ventilated area to get more accurate results. The four weather icons Sunny, Partly Cloudy, Cloudy and Rainy represent the weather forecasting.



The forecast is calculated by changes in temperature and humidity and is indicative only. There is no guarantee of accuracy when using this unit for forecasting the weather as the calculation can be affected by many varying and local meteorological conditions. If there is any inconsistency of weather forecast between a local weather station and this unit, the local weather station's forecast should prevail.

4.2 Crystal Weather indicator lamp

- Upon power on, crystal weather indicator lamp light up from Sunny to Rainy,

then stop. And partly cloudy indicator lamp lights up.

- The related weather indicator lamp will light up upon the weather forecast.
- Press SNOOZE/LIGHT button, crystal weather indicator lamp light up a cycle.
- Weather indicator lamp light up from Sunny to Rainy(a cycle) every 5 minutes automatically.

V. TEMPERATURE FORMAT

1. On the main unit, press **UP/ALARM ON/OFF or °C/°F** button to change the units of temperature to Celsius (°C) or Fahrenheit (°F).
2. On the remote sensor, select either Celsius (°C) or Fahrenheit (°F) by pressing the C/F button under the rear battery compartment cover.

Note: this setting is only applicable for the temperature indication on the remote sensor itself, not on the main unit.

VI. USING THE REMOTE SENSOR

1. Always place the sensor in a location protected from direct sunlight, rain, moisture, splashing and dripping liquids.
2. Remove the rear battery compartment cover of the outdoor sensor and insert 2x AAA batteries observing correct polarity and replace the battery compartment cover on the sensor.
3. Set the channel selector to the desired channel (1~3). The channel is indicated on the LCD.

Note: please set the same channel on the main unit by using the channel selector.

4. The remote sensor's LCD will then display the temperature and humidity.
5. The outdoor temp on the main unit will display “- .-” and humidity will display “- -” until it picks up the signal from the remote sensor.
6. When the main unit detects the remote sensor, it will beep and begin to display the data from the remote unit.
7. After first start-up or reset, if the main unit does not display outdoor temp and humidity within 5 minutes, press **CHANNEL** for more than 2 seconds to reset current channel information. If it still does not detect the remote sensor, reduce the distance between them or find another location for the sensor and/or main unit. Please notice that the distance may become shorter as the signal may be shielded by thick walls, steel, concrete, aluminum foil etc., or there maybe strong interference from other nearby operating electronic devices.

vii. RCC receiving

1. How to enter RCC receiving status:
 - a. It will enter RCC receiving state automatically after powering ON or resetting.
 - b. Hold “**DOWN/TIME ZOZE**” key to enter into RCC receiving status forcibly
 - c. It enters RCC receiving automatically every day.
2. Time of automatic RCC receiving: at 1:00,2:00, 3:00, 4:00, 5:00. It must receive at 1:00,2:00, 3:00 , if it fails to receive until 3:00, it will enter receive status selectable at 4:00 or 5:00, If the reception is successful at 4:00, it will not receive again in a day. Otherwise, it will enter receiving at 5:00.And after that it will not enter the receiving status again whatever successful or not. RCC receiving time is 7 minutes.

3. The displaying of icons during receiving :
 - a. When it enters RCC receiving status, the tower-shaped part of RCC symbol on the LCD will flash in the frequency of 1 Hz.
 - b. When it is receiving the signal, the tower-shaped part of RCC symbol and the curved antenna symbol of RCC will flash in the frequency of 1 Hz.
 - c. When the signal is too weak to be received, the tower shape of RCC will flash in the frequency of 1 Hz, while the curved antenna symbol will not display.
 - d. After receiving the synchronization signal, the RCC symbol will fully display and exit the receiving status.
4. When it is receiving signals, press “**DOWN/TIME ZONE**” key will exit RCC receiving status. Except press “SNOOZE” key to turn on the back light, pressing any other key will have no effect.
5. When it fails to receive the signals in a day, it will receive the signal at 2:00 next day.
6. During receiving RCC, if the alarm rings, it will exit RCC receiving status first and change into alarm ringing status.
7. When received DST signal, the it will display the symbol on the LCD
8. When the RCC symbols display fully, the relative RCC icon will be OFF if reset the time.

viii TECHNICAL SPECIFICATIONS

Transmission frequency		433 MHz
Indoor/ outdoor relative humidity range		20%~90%
Temperature range	Indoor	0 °C ~50 °C
	Outdoor	-20 °C~60 °C
Power supply	Main unit (clock)	Adaptor
	Sensor	2 x 1.5V AAA

IX.

DAY OF THE WEEK

Day Language	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
German (GER)	MON	DIE	MIT	DON	FRE	SAM	SON
English(ENG)	MON	TUE	WED	THU	FRI	SAT	SUN
Italian (ITA)	LUN	MAR	MER	GIO	VEN	SAB	DOM
French (FRE)	LUN	MAR	MER	JEU	VEN	SAM	DIM
Dutch (NET)	MAA	DIN	WOE	DON	VRI	ZAT	ZON
Spanish(ESP)	LUN	MAR	MIE	JUE	VIE	SAB	DOM
Danish (DAM)	MAN	TIR	ONS	TOR	FRE	LOR	SON

Kindly remind:

- a. Remote sensor default setting in degree Celsius,pls press the C/F button to change to Fahrenheit
- b. For resetting if unit freezing. Pls unplug the adaptor and pull the batteries, then replace, the unit will reset all the settings

- c. Brightness of red LED of weather forecast bar and main display may be too bright at night (both light sources can't be switched off while running on AC Adaptor)
- d. In battery power mode, press front panel buttons won't turn on display back light.
- e. Alarm will auto off after sounding for 2 minutes
- f. In snooze mode, press any button on front panel will cancel the snooze function.

X. Operating Frequency

Main unit: 32768HZ

RF sending and receiving: 433.92MHZ

FCC Statement:

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 to an outlet on a circuit different from that to which the receiver is connected.

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.

Note: Modifications to this product will void the user's authority to operate this equipment.