



Roaprobe E0397WST4H4PR-V1 Wireless Color Weather Station with 3 Remote Sensors User Manual

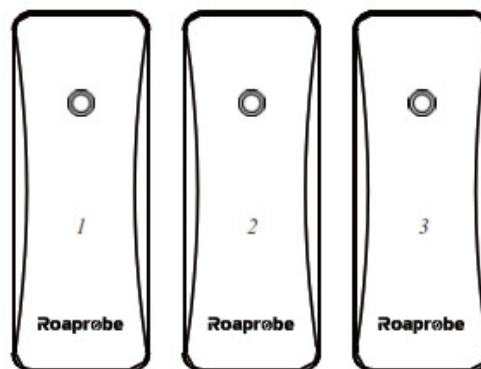
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Roaprobe

USER MANUAL

Model: E0397WST4H4PR-V1

WIRELESS COLOR WEATHER STATION WITH 3 REMOTE SENSORS



Please read the entire instruction manual before using the product and then save it for future reference. We reserve the right for any errors in text or images and any necessary changes made to technical data.

Things to consider:

1. The other wireless equipment with the same frequency band can reduce the transmission range.
2. The range of all wireless equipment depends on the type of obstacles located between the transmitter and the receiver (e.g. a concrete wall will interfere with the signal much more than a plasterboard wall).

Package Contents

1 x Digital Weather Station
 3 x Remote Sensor
 1 x User Manual
 1 x DC Adaptor

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POWER SUPPLY

MAIN UNIT INSTALLATION

1. Remove the battery compartment cover.
2. Insert 3 x AA batteries matching the correct polarity (+and-) (Not included).
3. Connect the adaptor with power.

SENSOR INSTALLATION

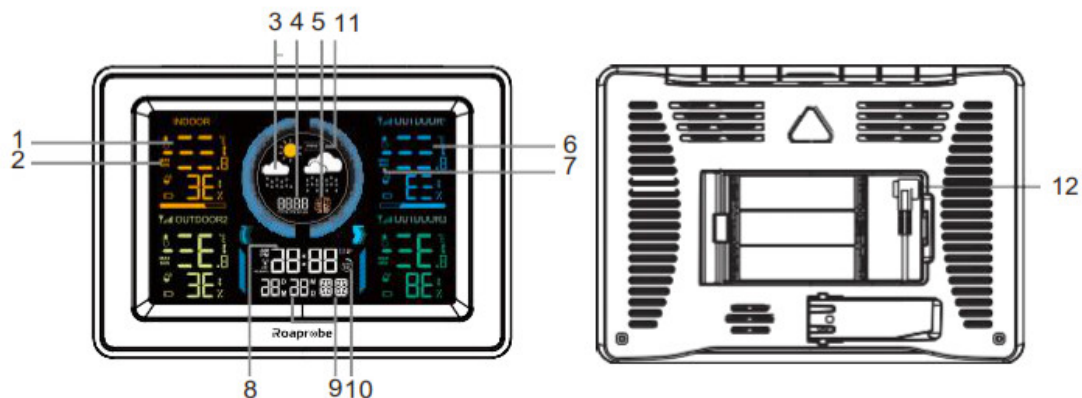
1. Remove the battery compartment cover, according to the number marked on the surface of the sensor, dial to the corresponding channel.
2. Insert 2 x AA batteries matching the correct polarity (+ and -) (Not included), the red led light will flash for once, then assemble the battery compartment.
3. Put the sensor in the position you desire.

INITIALIZATION

1. Install batteries for the main unit first, then install batteries for Remote sensor immediately with the same channel.
2. After power-on, the LCD will display for 3 seconds, and at the same time it will start to detect the indoor temperature and humidity, then the air pressure value, and then start to receive RF signals for 3 minutes, and finally enter the RCC reception.
3. If you want to get a better look, please tear off the transparent protective film of the host.

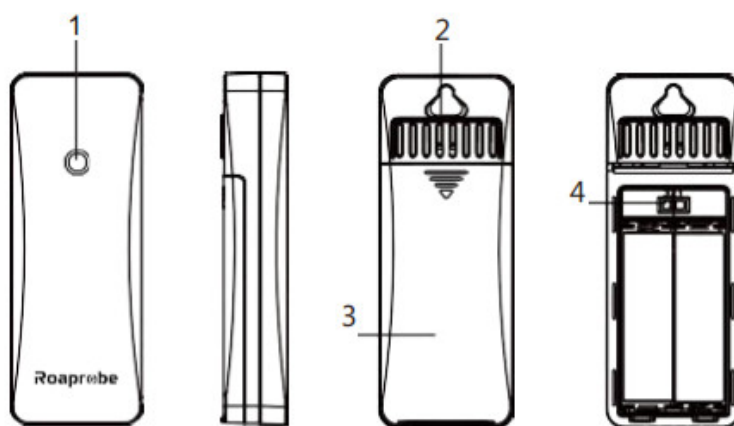
OVERVIEW

MAIN UNIT



1. Indoor temperature and humidity
2. Max/min record of indoor temperature and humidity
3. Weather forecast
4. Weather forecast for next 12-24 hours
5. Barometric pressure Barometer display in mmHg, inHg or hPa/MB
6. Moon phase
7. Temperature and humidity of channel 1/2/3
8. Max/min record of channel 1/2/3
9. Current time 12/24 hour format selectable
10. Calendar display Weekdays in 7 languages
11. Automatic backlight
12. Barometric trend
13. DC hole

OUTDOOR SENSOR



1. Signal light
3. Battery compartment

2. Hanging hole
4. Channel 1-2-3 switch

FEATURES

- Clear color LCD display

- WWVB atomic time
- Weather forecast for next 12-24 hours with barometer
- Measures in/out humidity and temperature (°F/°C)
- Four groups of temperature & humidity data
- Max/min record of temperature & humidity
- Indoor temperature range: 14°F~ 122°F(-10°C~ 50.0°C)
- Outdoor temperature range: -40°F~140°F(-40°C~ 60°C)
- In/outdoor humidity range: 1%-99%
- Calendar, alarm, and snooze function
- Time display in 12/24H
- Auto backlight function

BAROMETER CALIBRATION

1. After the power is on, the pressure reading will be flashing for 10 seconds.
If there is no need for calibration, touch the SNOOZE/ LIGHT button to exit the setting. If calibration is required, you can press + or - button to adjust data; press and hold + or - button will quickly change the value by 8 steps.
2. If no operation within 10 seconds, it will automatically save and exit the setting.
3. Barometer range: 23.62-32.75inHg (600-832mmHg,850-1050hPa/mb).

RF SIGNAL RECEIVING

1. After the power is on, the pressure reading will be flashing for 10 seconds.
If there is no need for calibration, touch the SNOOZE/ LIGHT button to exit the setting. If calibration is required, you can press + or - button to adjust data; press and hold + or - button will quickly change the value by 8 steps.
2. If no operation within 10 seconds, it will automatically save and exit the setting.
3. Barometer range: 23.62-32.75inHg (600-832mmHg,850-1050hPa/mb).

RF SIGNAL RECEIVING

After the barometer setting, It will start receiving 3 outdoor sensors' signals for 3 minutes. If all 3 channels signals are received within 3 minutes or receiving window ends, they will enter into the RCC signal receiving window.

RCC SIGNAL RECEIVING

1. After RF signal receiving, it will start searching radio signal for 7 minutes with the antenna symbol displaying on the screen.
2. Once the signal is received, the main unit will display the received time/ month/date/weekday.
3. Daily RCC signal receiving: there is a regular radio signal receiving at UTC 7:00, 8:00, 9:00, 10:00, 11:00 each day. It starts receiving signals at 7:00 every day. For each day, once the signal is received at any one receiving time, it will stop receiving a signal that day.
4. Manual receiving: press and hold + button to enter RCC signal receiving.

5. During receiving, press and hold the + button to exit RCC receiving.

*RCC symbol display:

1. When receiving the signal, the RCC icon will be flashing .
2. When the signal is successfully received, LCD will display complete RCC icon and exit RCC receiving.
3. If no signal is received, the RCC icon will disappear.

FUNCTIONS SETTING MODE

1. Press and hold SET button to enter the SETTING MODE, once in the SETTING MODE, the preference you are currently setting will blink on the screen.
During setting, only the setting figure will display, other parts will be invisible.
2. Adjust the currently flashing item, press + or - buttons (press and hold to fast adjust).
3. Save your adjustments, press and release the SET button to adjust the next preference. (The setting will be automatically saved and exit if there is no operation within 10 seconds.)
4. When the adapter is powered by, Press and hold SNOOZE the/LIGHT button to turn on/off the automatic backlight function.

The preference set order is as follows:

LANGUAGE SELECTION
KEY TONE ON/OFF
AUTO DIM TIME SETTING
RCC ON/OFF
DST
TIME ZONE SELECTION
CALENDAR YEAR
CALENDAR DATE FORMAT (MONTH-DAY or DAY-MONTH)
CALENDAR MONTH
CALENDAR DATE
TIME FORMAT 12/24H
CLOCK HOUR
CLOCK MINUTE
AIR PRESSURE UNIT SELECTION
WEATHER PATTERN
Exit

ALARM CLOCK SETTING

1. In standard mode, single press ALARM key to view the set alarm time. (It will return to normal time display mode if no operation in 5 seconds.)Then press the ALARM button to turn ON/OFF the alarm.
If the alarm is on, The alarm clock icon will be to the right of the minute.
If the alarm is off, the alarm icon will disappear.
2. Press and hold the ALARM button to enter the ALARM CLOCK MODE.
Once in ALARM CLOCK MODE, the preference you are currently setting will blink on the screen.
3. Adjust the currently flashing item, press + or - buttons (press and hold to fast adjust).
4. Save your adjustments, press and release the ALARM button to adjust the next preference. (The setting will

be automatically saved and exit if there is no operation within 10 seconds.)

SNOOZE SETTING

1. The alarm sound will last for 2 minutes then be canceled automatically.
It will make a sound as follow:
0-10 seconds: Beep per second
11-20 seconds: Beep x 2 per second
21-30 seconds: Beep x 4 per second
31-120 seconds: Keep BI sound
2. When the alarm is ringing, press any other button except SNOOZE/ LIGHT button to stop the alarm. And the alarm will restart the next day.
3. Or when the alarm is ringing, press SNOOZE the/ LIGHT button to activate the snooze function. The alarm will ring again in 5 minutes snooze interval. And the “Z” symbol will be flashing on the screen to indicate the snooze mode. Press any other button except the SNOOZE/ LIGHT button to exit the snooze mode. And the alarm will restart the next day.

ADJUSTABLE BACKLIGHT

1. When the base station is powered with batteries only, press SNOOZE/ LIGHT for 1-second momentarily light up the screen for 20 seconds.
2. When powered by the adapter, press SNOOZE/LIGHT to adjust the brightness BRIGHT-DIM-OFF.

RF- RE-REGISTRATION

Press and hold the CH button to clear all sensors data and start receiving signals again.

MAX AND MIN RECORD

1. Press MEM button to check maximum temperature and humidity, the value will display for 5 seconds.
2. Press the MEM button a second time to check the minimum temperature and humidity, the value will display for 5 seconds.
3. Press MEM button third time will return to standard mode.
4. Press and hold MEM button will clear the max and min record and reactivate the memory. Normally, the Max and Min record will update every 24 hours at 0:00.

LOW BATTERY INDICATORS

1. About Outdoor Sensor: When the battery indicator shows next to the outdoor temperature, replace batteries in your outdoor sensor.
2. About Cell Battery in Main Unit: The cell battery is only for memorizing the setting during a sudden power outage. When the battery indicator shows next to your indoor temperature, replace the battery.

TEMPERATURE

1. After power is on, the indoor temperature will display automatically, it will update the reading every 30 seconds and start to receive an outdoor signal which lasts for a max of 3 minutes.
2. Indoor temperature display range:14°F~ 122°F(-10°C~ 50.0°C); for temperature lower than 14°F, the reading will be:" LL.L"; for temperature higher than 122°F, the reading will be:" HH.H".
3. Outdoor temperature display range:-40°F~140°F(-40°C~ 60°C); for temperature lower than -40°F, the reading will be:" LL.L"; for temperature higher than 140°F, the reading will be:" HH.H".
4. Arrow indication for temperature changes: will display when the reading increase by 1.8°F(1°C within one hour or compared with the last reading. will display when the reading decrease by 1.8°F(1°C within one hour or compared with the last reading.
5. Accuracy: $\pm 1.8^{\circ}\text{F}$. The temperature resolution is 0.1°F (0.1°C).
6. Press the SET button to switch from Celsius degree to Fahrenheit degree.

HUMIDITY

1. After power is on, the indoor humidity will display automatically, it will update the reading every 30 seconds and start to receive an outdoor signal which lasts for up to 3 minutes.
2. Humidity display range: 1%-99%; for humidity lower than 1%, the reading will be "1%"; for humidity higher than 99%, the reading will be "99%".
3. Accuracy: when the temperature is between 68°F~ 78.8°F (20°C~26°C) and the humidity is between 40-80%, the accuracy is $\pm 5\%$ if out of this range the accuracy will be $\pm 8\%$.
4. Arrow indication for humidity changes: will display when the reading increase by 3% RH within one hour or compared with the last reading. will display when the reading decrease by 3% RH within one hour or compared with the last reading.
5. Humidity resolution:1%.

WEATHER FORECAST

The weather forecast icon will show after power on. There are 5 kinds of weather modes: Sunny, Partly Cloudy, Cloudy, Rainy, Snowy. The weather icon displays are based on the hourly calculation of indoor/outdoor temperature & humidity and barometer data. The forecast is for the next 12 hours with 70%-75% accuracy.

PLACEMENT INSSTRUCTION

Main Unit Placement

Place the main unit in a dry area free of dirt and dust. To help ensure an accurate indoor temperature measurement, be sure to place the Main unit away from heat sources or vents.

Outdoor Sensor

For a more accurate reading and weather forecast, please place the sensor at a proper place:

1. Avoid exposure to direct rain, sunlight, or other heat/cold source.
2. Make sure there is enough airflow around the sensor to reflect the changes in the environment (Well-ventilated).
3. Make sure there ain't a thick wall or strong interference source using the same signal frequency (433.92MHz) between the weather station and the sensor.
4. Place the sensor vertically at the height of about 1.5m-3m / 4.9ft-9.8ft.

5. When the sensor is first used or relocated, let it stand for around one hour or more before having an accurate measuring of temperature and humidity.
6. You can place the sensor in multi ways: hang from the back hole using a nail, place on a stable surface, or lift with a rope. In whatever way, make sure at least one side of the air vent (back or bottom) is not blocked.


If you have problems, please try as follows:

1. Turn off any other existing wireless equipment to check whether this is the cause of the problem.
2. Move any other existing wireless equipment. Shorten the distance between the sending and receiving devices and reduce the number of obstacles(walls, furniture, etc.) between them.
3. Try to remove and reassemble batteries, if the batteries are old, try new ones.

Tips

1. The product must not be dismantled or modified in any way.
2. The weather station must not be exposed to rain or moisture.
3. The product is not intended to be used as a reference thermometer and we will not be held liable for any damage which may result from inaccurate readings.
4. The battery should be removed if the product is not to be used for an extended period, otherwise, the battery might lead and damage the product. Never leave discharged batteries in the battery compartment.
5. Changing the battery on the weather station erases the saved min and max readings.
6. Do not expose the product to impacts.

Documents / Resources

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|  | <p>Roaprobe E0397WST4H4PR-V1 Wireless Color Weather Station with 3 Remote Sensors [pdf] User Manual E0397WST4H4PR-V1, Wireless Color Weather Station with 3 Remote Sensors</p> |
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