

### Display for 5-in-1 Weather Sensor

model 06022RM



### Package Contents

1. Display unit with tabletop stand
2. Power adapter
3. Instruction Manual

**This product requires an AcuRite 5-in-1 Weather Sensor (sold separately) to be operational.**

## IMPORTANT

PRODUCT MUST BE REGISTERED  
TO RECEIVE WARRANTY SERVICE

### PRODUCT REGISTRATION

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to receive 1 year  
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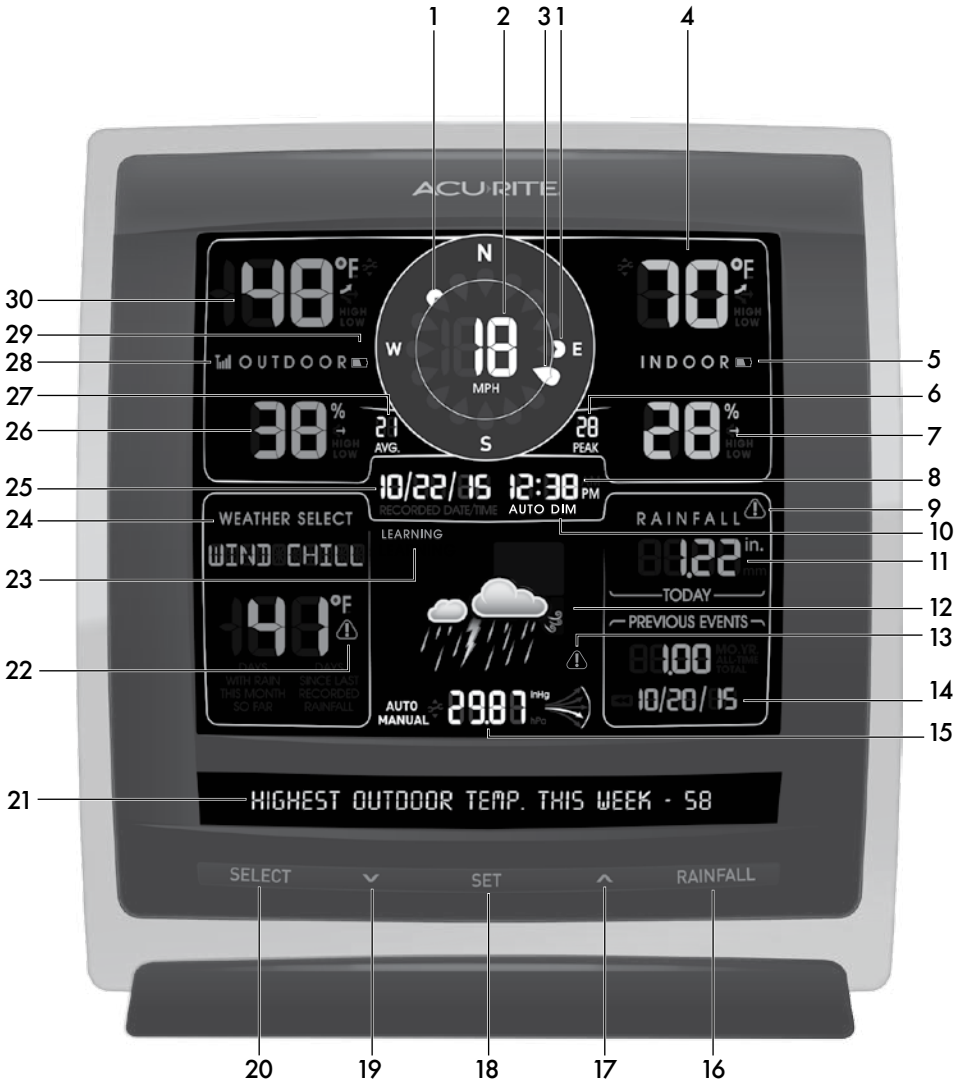
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**Questions?** Contact Customer Support at  
(877) 221-1252 or visit [www.AcuRite.com](http://www.AcuRite.com).

**SAVE THIS MANUAL FOR FUTURE REFERENCE.**

# Features & Benefits

## Display Unit



- 1. Previous 2 Wind Directions**
- 2. Current Wind Speed**
- 3. Current Wind Direction**
- 4. Current Indoor Temperature**  
Arrow icon indicates direction temperature is trending.
- 5. Display Low Battery Indicator**
- 6. Peak Wind Speed**  
Highest speed from the last 60 minutes.
- 7. Current Indoor Humidity**  
Arrow icon indicates direction humidity is trending.
- 8. Clock**
- 9. Rainfall Alert Indicator**  
Indicates rainfall of more than 1" of rain in 2 hours or less.
- 10. AUTO DIM Indicator**
- 11. Current Rainfall**  
Accumulates data during rainfall.
- 12. 12 to 24 Hour Weather Forecast**  
Self-Calibrating Forecasting pulls data from your 5-in-1 sensor to generate your personal forecast.
- 13. Storm Alert Indicator**
- 14. Month/Year/All-Time Rainfall**
- 15. Current Barometric Pressure**  
Arrow icon indicates direction pressure is trending.
- 16. RAINFALL Button**  
Press to change the RAINFALL data being displayed (Month, Year, All-Time).
- 17. ^ Button**  
for setup preferences.
- 18. SET Button**  
for setup preferences.
- 19. v Button**  
for setup preferences.
- 20. SELECT Button**  
Press to change the WEATHER SELECT category data being displayed.
- 21. Weather Ticker™**
- 22. Heat Index/ Wind Chill Alert Indicator**
- 23. Learning Mode Icon**  
Disappears after weather forecast self-calibration is complete.
- 24. WEATHER SELECT**  
Displays heat index, dew point, wind chill, feels like, days with rain this month, and days since last recorded rainfall.
- 25. Date**
- 26. Current Outdoor Humidity**  
Arrow icon indicates direction humidity is trending.
- 27. Average Wind Speed**  
of all speeds from past 2 minutes.
- 28. 5-in-1 Sensor Signal Strength**
- 29. Sensor Low Battery Indicator**
- 30. Current Outdoor Temperature**  
Arrow icon indicates direction temperature is trending.



## BACK OF DISPLAY UNIT

- 1. Integrated Hang Hole**  
for easy wall mounting.
- 2. Backlight Button**  
Dimmer control while using power adapter. Activates momentary backlight while on battery power.
- 3. Plug-in for Power Adapter**
- 4. Removable Tabletop Stand**
- 5. CLEAR ALL/RESET Button**  
Press and HOLD for 10 seconds for full reset to factory defaults.
- 6. A-B-C Switch**  
ID code that must match 5-in-1 sensor's A-B-C switch to ensure units synchronize.
- 7. Power Adapter**
- 8. Battery Compartment Cover**  
(not shown)

# Display Unit Setup

AcuRite recommends high quality alkaline batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended.

## 1 Set the A-B-C Switch

The A-B-C switch is located inside the battery compartment. It can be set to A, B or C. However, you must select the same letter choices for both the sensor and the display unit in order for the units to synchronize.

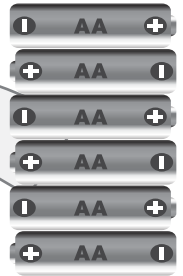


## 2 Plug Power Adapter into Electrical Outlet

## 3 Install or Replace Batteries (optional)

Insert 6 x AA alkaline batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.

## 3 Install Backup Batteries (optional) 6 AA Batteries



## 2 Plug in Power Adapter



**IMPORTANT:** Batteries are a backup power source to preserve records in the event of a power outage. Power adapter is the recommended primary power source to enjoy the full functionality of this product.



## PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.

**BATTERY SAFETY:** Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

## Set the Time, Date & Units

Press the "SET" button, located on the front of the display unit, to enter SET MODE. Once in set mode, the preference you are currently setting will blink on the display.

To adjust the currently selected (flashing) item, press and release the "∧" or "∨" buttons (press and HOLD to fast adjust).

To save your adjustments, press and release the "SET" button again to adjust the next preference. The preference set order is as follows:

### TOP DISPLAY:

CLOCK HOUR

CLOCK MINUTE

CALENDAR MONTH

CALENDAR DATE

CALENDAR YEAR

TEMPERATURE UNITS (°F or °C)

WIND SPEED UNITS (MPH, km/h, Knots)

RAINFALL UNITS (in or mm)

PRESSURE UNITS (inHg or hPa)

### TICKER DISPLAY:

LANGUAGE (English, French, Spanish)

WEATHER TICKER SPEED (SLOW, MEDIUM, FAST)

You will automatically exit SET MODE if no buttons are pressed for 20 seconds. Enter SET MODE at any time by pressing the "SET" button.

## Display Backlight Settings

This weather station's color display features three different lighting settings: High (100%) brightness, Medium (60%) brightness and Low (30%) brightness

Using battery power alone, the backlight is available momentarily for 10 seconds by pressing the "BACKLIGHT" button.

When display is powered with the power adapter, backlight remains on at 100% brightness. Press "BACKLIGHT" button once to dim to 60% brightness; press again to dim to 30%, press a 3rd time to enter "AUTO DIM" mode. "AUTO DIM" will appear below the time.

<b>AUTO DIM MODE:</b> Automatically adjusts display brightness based on time of day & year.	
MARCH 11- NOVEMBER 4	6:00 a.m. - 9:00 p.m. = 100% brightness
	9:01 p.m. - 5:59 a.m.= 30% brightness
NOVEMBER 5 - MARCH 10	7:30 a.m. - 7:00 p.m.= 100% brightness
	7:01 p.m. - 7:29 a.m. = 30% brightness

## Placement for Maximum Accuracy

AcuRite sensors are sensitive to surrounding environmental conditions. Proper placement of both the display unit and the sensor are critical to the accuracy and performance of this product.



### Display Unit Placement

Place the display unit in a dry area free of dirt and dust. To ensure accurate temperature measurement, place out of direct sunlight and away from heat sources or vents. Display unit stands upright for tabletop use or is wall-mountable.

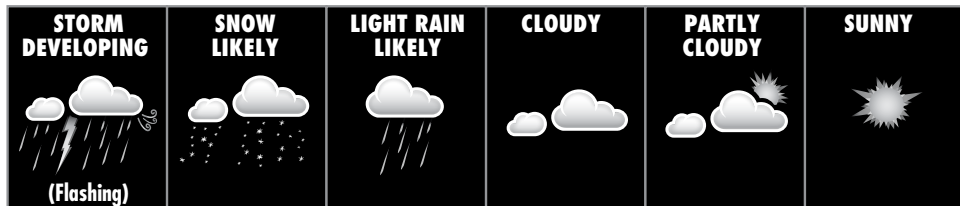
## Using the Professional Weather Center

### Learning Mode

Self-Calibrating Forecasting use a unique algorithm to analyze changes in pressure over a time period (called Learning Mode) to determine your altitude. After 14 days, the Learning Mode icon disappears from the display screen. At this point, the self-calibrated pressure is tuned in to your location and the unit is ready for superior weather prediction.

### Weather Forecast

AcuRite's patented Self-Calibrating Forecasting provides your personal forecast of weather conditions for the next 12 to 24 hours by collecting data from the sensor in your backyard. It generates a forecast with pinpoint accuracy - personalized for your exact location.



View the complete list of icons at [www.AcuRite.com/acurite-icons](http://www.AcuRite.com/acurite-icons)

### Weather Select


Weather Select displays data including wind chill, dew point, heat index, feels like, days with rain this month, and days since last recorded rainfall. To change the "Weather Select" category shown, press the "SELECT" button on the front of the display.

### Barometric Pressure

Subtle variations in barometric pressure greatly affect the weather. This weather center displays the current pressure with an arrow icon to indicate the direction the pressure is trending (FALLING, STEADY, or RISING).

# Rainfall Tracking

This weather station features enhanced tracking of historical rainfall data. Rain accumulation data is recorded for today, over all-time, by year, by month, and by rainfall event.

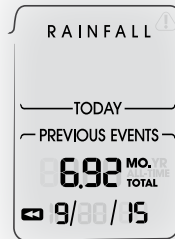
Press the "RAINFALL" button to review rainfall records. The  icon is shown on the display while historical data is being viewed.

Records are shown in the following order:

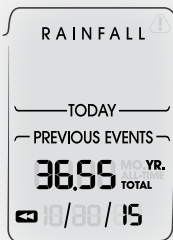
- PREVIOUS RAINFALL #1 \*
- PREVIOUS RAINFALL #2 \*
- PREVIOUS RAINFALL #3 \*
- CURRENT MONTH TOTAL RAINFALL
- PREVIOUS MONTH TOTAL RAINFALL
- 2 MONTHS AGO TOTAL RAINFALL
- CURRENT YEAR TOTAL RAINFALL
- PREVIOUS YEAR TOTAL RAINFALL
- ALL-TIME TOTAL RAINFALL (date shown is start date of the all-time total; the date the display was powered on)



TOTAL RAINFALL  
FOR DATE SHOWN



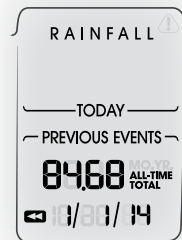
TOTAL RAINFALL  
FOR MONTH SHOWN



CURRENT YEAR  
TOTAL RAINFALL



PREVIOUS YEAR  
TOTAL RAINFALL



ALL-TIME  
TOTAL RAINFALL

\* Previous rainfall is the amount of rain recorded from 12:00am to 11:59pm on the date shown.



## **Weather Ticker™**

The Weather Ticker automatically flashes your real-time weather information and alerts as text in the lower part of the display unit screen.

The possible WEATHER TICKER messages are as follows:

HEAT INDEX-XX  
WINDCHILL-XX  
DEW POINT-XX  
IT FEELS LIKE XX OUTSIDE  
7 DAY HIGH TEMP. XX- MM/DD  
7 DAY LOW TEMP. XX- MM/DD  
30 DAY HIGH TEMP. XX- MM/DD  
30 DAY LOW TEMP. XX- MM/DD  
ALL TIME HIGH TEMP. XXX...RECORDED MM/DD/YY  
ALL TIME LOW TEMP. XXX...RECORDED MM/DD/YY  
24 HOUR TEMP. CHANGE +XX  
ALL TIME HIGH WIND XX MPH...RECORDED MM/DD/YY  
7 DAY AVERAGE WIND XX MPH  
TODAY'S AVERAGE WIND XX MPH  
MOON- NEW  
MOON- WAXING CRESCENT  
MOON- FIRST QUARTER  
MOON- WAXING GIBBOUS  
MOON- FULL  
MOON- WANING GIBBOUS  
MOON- LAST QUARTER  
MOON- WANING CRESCENT  
INDOOR HUMIDITY OK  
INDOOR HUMIDITY HIGH  
INDOOR HUMIDITY LOW  
NEW LOW TEMP. RECORD XX  
NEW HIGH TEMP. RECORD XX  
NEW WIND RECORD TODAY XX  
CURRENT RAINFALL X.XX/HR.  
RAIN EVENT STARTED XX HRS. AGO  
SENSOR BATTERIES LOW  
DISPLAY BATTERIES LOW  
SENSOR SIGNAL LOST...CHECK BATTERIES AND PLACEMENT  
CAUTION- HEAT INDEX IS XXX  
CAUTION- WIND CHILL IS XXX  
CALIBRATION

# Troubleshooting

Problem	Possible Solution
<b>Inaccurate temperature or humidity</b>	<ul style="list-style-type: none"><li>• Make sure both the display unit and 5-in-1 sensor are placed away from any heat sources or vents (see page 7).</li><li>• Make sure both units are positioned away from moisture sources (see page 7).</li><li>• Make sure 5-in-1 sensor is mounted at least 5 ft off of the ground.</li><li>• Calibrate indoor and outdoor temperature and humidity (see page 11).</li></ul>
<b>No rainfall</b>	<ul style="list-style-type: none"><li>• Check to ensure the rain gauge stabilizer (plastic tab) has been removed from the bottom of the sensor.</li><li>• Clear debris, such as leaves, out of the rain collector funnel and debris screen.</li><li>• Calibrate the Rain Gauge.</li></ul>
<b>Inaccurate wind readings</b>	<ul style="list-style-type: none"><li>• What is wind reading being compared to? Pro weather stations are typically mounted at 30 ft high or more. Make sure to compare data using a sensor positioned at the same mounting height.</li><li>• Check location of the sensor. Ensure it's mounted a minimum of 5 ft in the air with no obstructions around it (within several feet).</li><li>• Ensure wind cups are spinning freely. If they hesitate or stop try lubricating with graphite powder or spray lubricant.</li></ul>
<b>Display screen not working</b>	<ul style="list-style-type: none"><li>• Check that the batteries are installed correctly. Batteries may need to be replaced.</li><li>• Reset the display by pressing and holding the CLEAR ALL/RESET button for 10 seconds, located in the battery compartment of the display unit. Date and time will need to be entered after a reset.</li></ul>

**If your AcuRite product does not operate properly after trying the troubleshooting steps, visit [www.AcuRite.com](http://www.AcuRite.com) or call (877) 221-1252 for assistance.**

# Care & Maintenance

## Display Unit Care

Clean with a soft, damp cloth. Do not use caustic cleaners or abrasives. Keep away from dust, dirt and moisture. Clean ventilation ports regularly with a gentle puff of air.

## Calibration

The indoor / outdoor temperature and humidity readings, and barometric pressure can be calibrated on the display unit to improve accuracy. Calibration can improve accuracy when sensor placement or environmental factors impact the data accuracy.

1. To access calibration mode, press AND HOLD the “^”, “SET”, and “v” buttons simultaneously for at least 5 seconds.
2. To adjust the currently selected (flashing) item, press and release the “^” or “v” buttons to calibrate the data value higher or lower from the actual reading.
3. To save your adjustments, press and release the “SET” button to adjust the next preference. The “☼” icon will remain illuminated next to calibrated values.

The preference set order is as follows:

OUTDOOR TEMPERATURE

OUTDOOR HUMIDITY

INDOOR TEMPERATURE

INDOOR HUMIDITY

BAROMETRIC PRESSURE (must be set to MANUAL mode to calibrate)\*

\*To change from AUTO to MANUAL pressure mode and vice versa, press AND HOLD the “SET” button for at least 10 seconds. The display indicates the current pressure mode selected, “AUTO” or “MANUAL”.

After 10 seconds of inactivity, the display will save the adjustments and exit calibration mode. Note: Calibrations will be erased if the display is reset or if batteries are removed and the power adapter is unplugged.

# Specifications

<b>TEMPERATURE RANGE</b>	Outdoor: -40°F to 158°F; -40°C to 70°C
	Indoor: 32°F to 122°F; 0°C to 50°C
<b>HUMIDITY RANGE</b>	Outdoor: 1% to 99% RH
	Indoor: 1% to 99% RH
<b>WIND SPEED</b>	0 to 99 mph; 0 to 159 kph
<b>WIND DIRECTION INDICATORS</b>	16 points
<b>RAINFALL</b>	0 to 393 in; 0 to 9999mm
<b>WIRELESS RANGE</b>	330ft / 100m depending on home construction materials
<b>OPERATING FREQUENCY</b>	433 MHz
<b>POWER</b>	Display: 4.5V, 250mA AC adapter 6 x AA alkaline batteries (optional)
	Sensor: 4 x AA alkaline or lithium batteries
<b>DATA REPORTING</b>	Wind Speed: 18 second updates; Direction: 30 seconds Outdoor temperature & humidity: 36 second updates Indoor temperature & humidity: 60 second updates

# FCC Information

This device complies with part 15 of 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 the 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.

**NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

Such modifications could void the user authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation of the device.

## Customer Support

AcuRite customer support is committed to providing you with best-in-class service. **For assistance**, please have the model number of this product available and contact us in any of the following ways:



(877) 221-1252



info@chaney-inst.com

24/7 support at [www.AcuRite.com](http://www.AcuRite.com)

- ▶ Installation Videos
- ▶ Register your Product
- ▶ Instruction Manuals
- ▶ Support User Forum
- ▶ Replacement Parts
- ▶ Submit Feedback & Ideas

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## Limited One Year Warranty

At AcuRite, we proudly uphold our commitment to quality technology. Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase.

We recommend that you visit us at [www.AcuRite.com](http://www.AcuRite.com) for the fastest way to register your product. However, product registration does not eliminate the need to retain your original proof of purchase in order to obtain warranty benefits.

Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase. Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). Any product which, under normal use and service, is proven to breach the warranty contained herein within ONE YEAR from date of sale will, upon examination by Chaney, and at its sole option, be repaired or replaced by Chaney. Transportation costs and charges for returned goods shall be paid for by the purchaser. Chaney hereby disclaims all responsibility for such transportation costs and charges. This warranty will

not be breached, and Chaney will give no credit for products it manufactures which have received normal wear and tear, been damaged (including by acts of nature), tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

The above-described warranty is expressly in lieu of all other warranties, express or implied, and all other warranties are hereby expressly disclaimed, including without limitation the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. Chaney expressly disclaims all liability for special, consequential or incidental damages, whether arising in tort or by contract from any breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Chaney further disclaims all liability from personal injury relating to its products to the extent permitted by law. By acceptance of any of Chaney's products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to assume for Chaney any other liability in connection with the sale of its products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this paragraph, and the preceding paragraph, unless done in writing and signed by a duly authorized agent of Chaney. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For in-warranty claims:

Chaney Instrument Co. | 965 Wells St. | Lake Geneva, WI 53147





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[www.AcuRite.com](http://www.AcuRite.com)



### 5-in-1 PRO Weather Sensor model 06014RM



#### Package Contents

1. 5-in-1 PRO Weather Sensor
2. Mounting Hardware
3. Sensor Mounting Bracket
4. Instruction Manual

## IMPORTANT

PRODUCT MUST BE REGISTERED  
TO RECEIVE WARRANTY SERVICE

#### PRODUCT REGISTRATION

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to receive 1 year  
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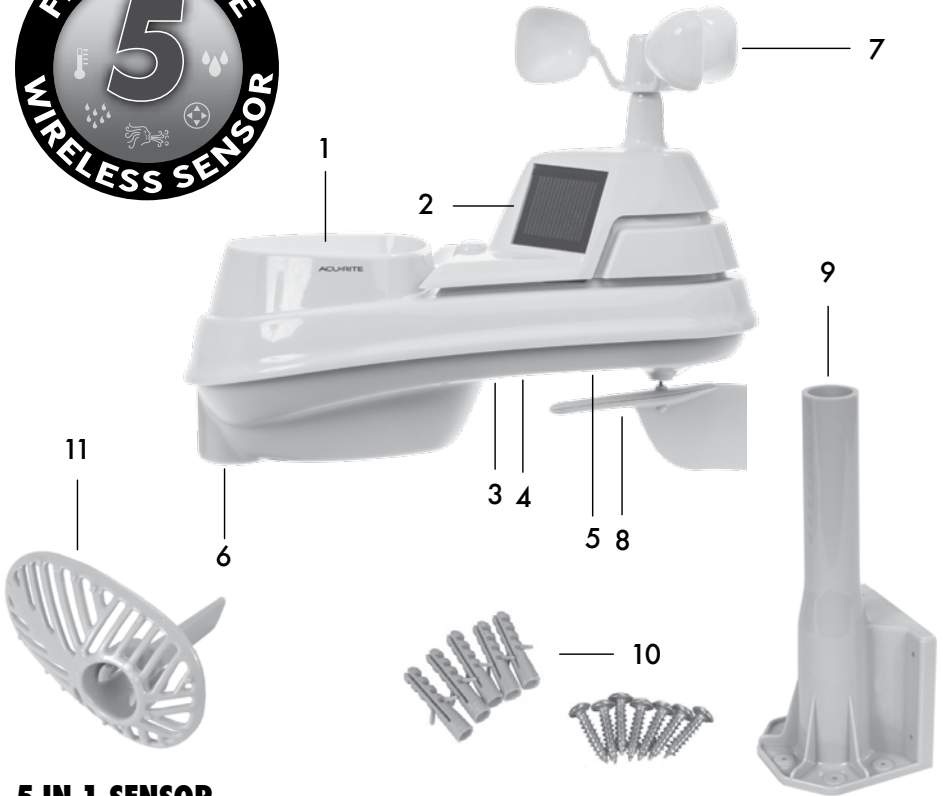
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**Questions?** Contact Customer Support at  
(844) 228-5465 or visit [www.AcuRite.com](http://www.AcuRite.com).

# Features & Benefits



## 5-IN-1 SENSOR

### 1. Rainfall Collector Funnel

### 2. Solar Cell Panels

Converts sunlight into power to run internal aspirating fan.

#### Internal Aspirating Fan

(not shown)

Draws ambient air into sensor to reduce solar radiation heating, resulting in more accurate temperature measurement.

### 3. A-B-C Switch

ID code that must match display's A-B-C switch to ensure units synchronize.

### 4. Battery Compartment

### 5. Temperature & Humidity Sensors (internal)

### 6. Mounting Point

### 7. Wind Speed Anemometer

### 8. Wind Direction Vane

### 9. Mounting Bracket

### 10. Mounting Hardware

includes anchors & screws.

Qty	Diameter	Length
5	#4	3/4"
1	#4	1/2"
1	#6	1/2"

### 11. Debris Filter

Pre-installed to prevent debris from entering the rain gauge.

## 5-in-1 Sensor Setup

### 1 Set the A-B-C Switch

Locate the A-B-C switch inside the battery compartment. Set the A-B-C switch to A, B or C. You must select the same letter choice for both the sensor and the companion unit (not included) in order for the units to synchronize.

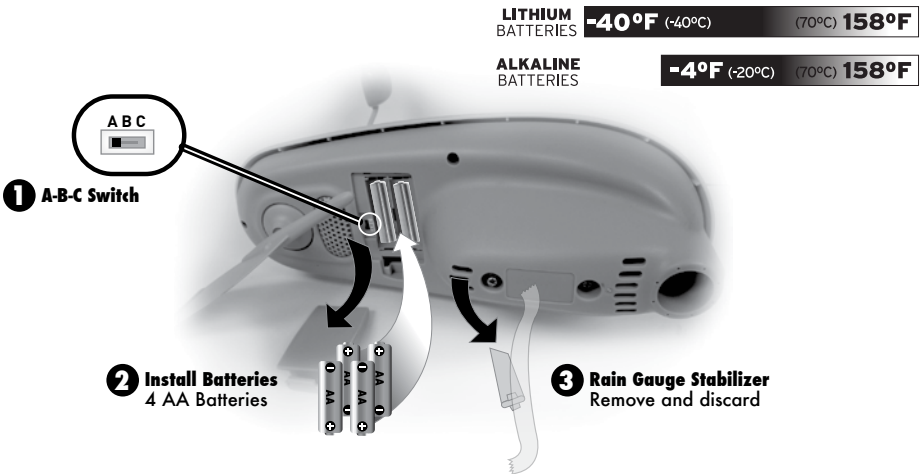
The 5-in-1 sensor requires lithium batteries in low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly. Use lithium batteries in the 5-in-1 sensor for temperatures below -4°F / -20°C.

### 2 Install or Replace Batteries

Batteries **MUST** be installed for this product to operate. AcuRite recommends high quality alkaline or lithium batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended.

### 3 Remove Rain Gauge Stabilizer

Locate and remove the rain gauge stabilizer (plastic tab) taped into the bottom of the sensor. The rain gauge will not function until this is removed.



**PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.**

**BATTERY SAFETY:** Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. **DO NOT** incinerate used batteries. **DO NOT** dispose of batteries in fire, as batteries may explode or leak. **DO NOT** mix old and new batteries or types of batteries (alkaline/standard). **DO NOT** use rechargeable batteries. **DO NOT** recharge non-rechargeable batteries. **DO NOT** short-circuit the supply terminals.

## Placement for Maximum Accuracy

AcuRite sensors are sensitive to surrounding environmental conditions. Proper placement of the sensor is critical to the accuracy and performance of this product.



### 5-in-1 Sensor Placement

The 5-in-1 sensor is designed to remain outdoors all year long. Choose an open location with no obstructions above or around the sensor for the most accurate measurements.

## Important Placement Guidelines

Sensor must be within 330 feet (100 m) of companion unit (not included).

### MAXIMIZE WIRELESS RANGE

Place sensor away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.

### LOCATE AWAY FROM HEAT SOURCES

Position sensor away from heaters, air conditioners, chimneys, exhaust vents, asphalt and concrete (surfaces that radiate heat).

### LOCATE AWAY FROM HUMIDITY SOURCES

Avoid installing the sensor near pools, spas, or other bodies of water. Water sources may impact humidity accuracy.

### LOCATE AWAY FROM SPRINKLER HEADS

DO NOT install the sensor where it will be sprayed by a sprinkler system. This may force water inside the sensor.

### LOCATE AWAY FROM WIND & RAIN OBSTRUCTIONS

DO NOT mount the sensor with obstructions around it. Consider a location that is a wide open area, with few structures around to ensure accurate wind measurement.

Learn more at: [www.AcuRite.com/5in1](http://www.AcuRite.com/5in1)



View Video

## 5-in-1 Sensor Installation Guidelines

**INSTALLATION HEIGHT** Mount the sensor at least 5 feet (1.5 meters) off the ground in an open area. Higher is better for wind measurement- the National Weather Service recommends 33 feet (10 meters) high!

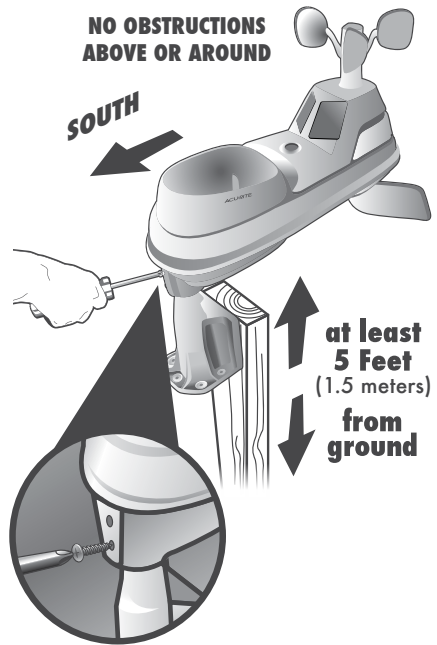
**MOUNTING OPTIONS** The included mounting bracket is designed to screw directly onto wooden posts or surfaces that are 2" x 4" or larger. The sensor can also be mounted directly to 3/4" steel pipe (available at hardware stores and home centers).

**LEVEL INSTALLATION** Use the bubble level on the top of the sensor to ensure level installation for accurate wind and rain measurement.

**SOLAR CELL INSTALLATION** Install the sensor with the solar cell facing SOUTH. This ensures the cell receives as much sun as possible and orients wind direction.

### 5-in-1 Sensor Installation

1. Fasten mounting base (included) to a post or pole (not included) using the 4 longer screws included in the hardware bag.
2. Insert the mounting base into the hole on the bottom of the sensor.
3. Make sure the arrows on the top of the sensor are pointed in the proper direction and the bubble level is centered. The solar cell should be facing south to properly orient the wind direction.
4. Fasten the sensor into the mounting base using the 2 shorter screws included in the hardware bag.



**The 5-in-1 sensor is now ready to use.**

## Basic Setup is Complete

The 5-in-1 sensor will now synchronize with the display. It may take a few minutes for synchronization to complete.

# Calibrate the Rain Gauge

The rain gauge on the 5-in-1 sensor can be calibrated to improve accuracy.

**Items Needed:** 5-in-1 sensor, companion unit, plastic cup, pin, screw driver

1. First, ensure 5-in-1 sensor is perfectly level using built-in bubble level.
2. Use compatible companion unit or AcuRite software to monitor during calibration.
3. Make a pin hole in the bottom of a plastic cup. Hold the cup over the rain gauge and fill it with exactly 1 cup (8oz) of water, allowing the water to drip into the rain gauge. You should hear the internal buckets tip and see water drain through the rain gauge.
4. A few seconds after each bucket tip, the companion unit displays rainfall in approximately 0.01" or more increments.
5. The cup of water should take more than 20 minutes to empty; a quicker period will result in inaccurate calibration. Try to simulate a normal steady rainfall. When cup is empty of water, companion unit should register 1.06"

## Tips

- There should be nearly an equal number of water drops (about 25 water drops) between bucket tips. If not, adjust the calibration screws on the bottom of the 5-in-1 sensor until an equal number of water drops are tipping the buckets.

## Adjustment

If the rain gauge doesn't register close to 1.06", make an EQUAL adjustment to the two calibration screws on the bottom of the 5-in-1 sensor. Turning screws clockwise increases rainfall; counter clockwise decreases rainfall.

- To adjust the rainfall reading by 2% turn both screws 1/8 of a turn.
- To adjust the rainfall reading by 4% turn both screws 1/4 of a turn.
- To adjust the rainfall reading by 8% turn both screws 1/2 of a turn.

Watch the video at [www.AcuRite.com/5n1](http://www.AcuRite.com/5n1)

## Customer Support

AcuRite customer support is committed to providing you with best-in-class service. **For assistance**, please have the model number of this product available and contact us in any of the following ways:



(844) 228-5465



info@chaney-inst.com

24/7 support at [www.AcuRite.com](http://www.AcuRite.com)

- ▶ Installation Videos
- ▶ Register your Product
- ▶ Instruction Manuals
- ▶ Support User Forum
- ▶ Replacement Parts
- ▶ Submit Feedback & Ideas

# Specifications

<b>TEMPERATURE RANGE</b>	Outdoor: -40°F to 158°F; -40°C to 70°C
<b>HUMIDITY RANGE</b>	Outdoor: 1% to 99%
<b>WIND SPEED</b>	0 to 99 mph; 0 to 159 kph*; 0 to 86.03 knots
<b>WIND DIRECTION INDICATORS</b>	16 points
<b>RAINFALL</b>	Measured in inches (in) or millimeters (mm)*
<b>WIRELESS RANGE</b>	330 ft / 100 m depending on home construction materials
<b>OPERATING FREQUENCY</b>	433 MHz
<b>POWER</b>	4 x AA alkaline or lithium batteries
<b>DATA REPORTING</b>	Wind Speed: 18 second updates; Direction: 30 second updates Outdoor temperature & humidity: 36 second updates

\* Refer to the manual for the companion unit (display, software, etc.) to determine the types of measurements included.

## FCC Information

This device complies with part 15 of 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 the 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.

**NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation of the device.

## Limited One Year Warranty

At AcuRite, we proudly uphold our commitment to quality technology. Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase.

We recommend that you visit us at [www.AcuRite.com](http://www.AcuRite.com) for the fastest way to register your product. However, product registration does not eliminate the need to retain your original proof of purchase in order to obtain warranty benefits.

Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase. Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). Any product which, under normal use and service, is proven to breach the warranty contained herein within ONE YEAR from date of sale will, upon examination by Chaney, and at its sole option, be repaired or replaced by Chaney. Transportation costs and charges for returned goods shall be paid for by the purchaser. Chaney hereby disclaims all responsibility for such transportation costs and charges. This warranty will not be breached, and Chaney will give no credit

for products it manufactures which have received normal wear and tear, been damaged (including by acts of nature), tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

The above-described warranty is expressly in lieu of all other warranties, express or implied, and all other warranties are hereby expressly disclaimed, including without limitation the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. Chaney expressly disclaims all liability for special, consequential or incidental damages, whether arising in tort or by contract from any breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Chaney further disclaims all liability from personal injury relating to its products to the extent permitted by law. By acceptance of any of Chaney's products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to assume for Chaney any other liability in connection with the sale of its products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this paragraph, and the preceding paragraph, unless done in writing and signed by a duly authorized agent of Chaney. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For in-warranty claims: Chaney Instrument Co.  
965 Wells St., Lake Geneva, WI 53147

# ACU>RITE®



Weather  
Stations



Temperature  
& Humidity



Weather  
Alert Radio



Kitchen  
Thermometers  
& Timers



Clocks

*It's More than Accurate, it's ACU>RITE.*

AcuRite offers an extensive assortment of precision instruments, designed to provide you with information you can depend on to Plan your day with confidence™.

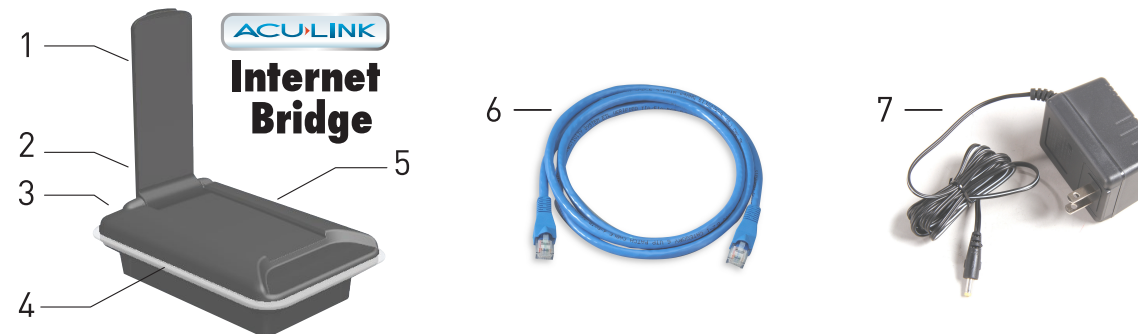
[www.AcuRite.com](http://www.AcuRite.com)

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## 1 Features

1. **Flip-Up Receiver Antenna**
2. **AC Power Adaptor Port**
3. **Ethernet Port**
4. **Status Light 1: Network Traffic** Flashing indicates normal network upload traffic.
5. **Status Light 2: RF Traffic** Flashing indicates normal radio frequency reception.
6. **Ethernet Cable** Connects the internet bridge to your network router.
7. **AC Power Adaptor**



## WHAT YOU NEED

(not included)

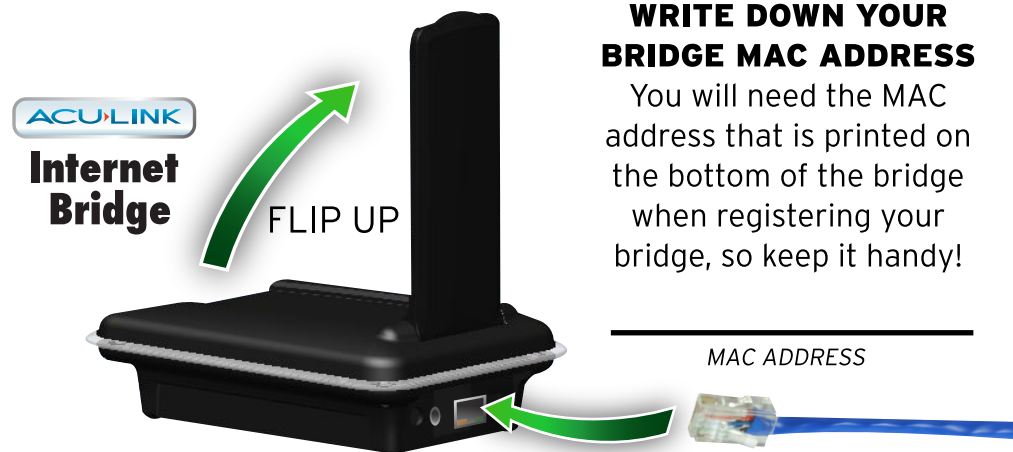
- At least one compatible AcuRite sensor
- Network router with an available Ethernet port
- "Always-on" internet connection

**2 Connect** Ethernet cable to the internet bridge and flip UP the antenna.

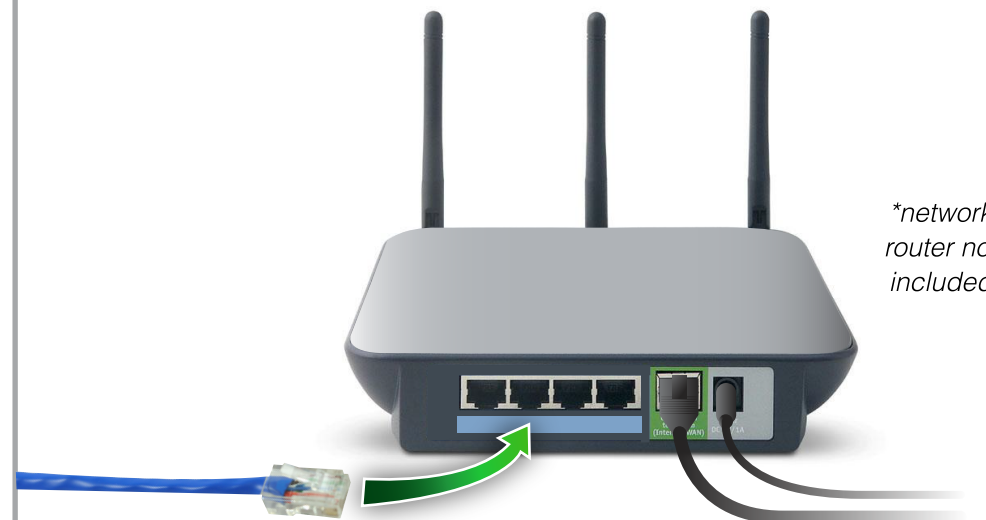


### WRITE DOWN YOUR BRIDGE MAC ADDRESS

You will need the MAC address that is printed on the bottom of the bridge when registering your bridge, so keep it handy!

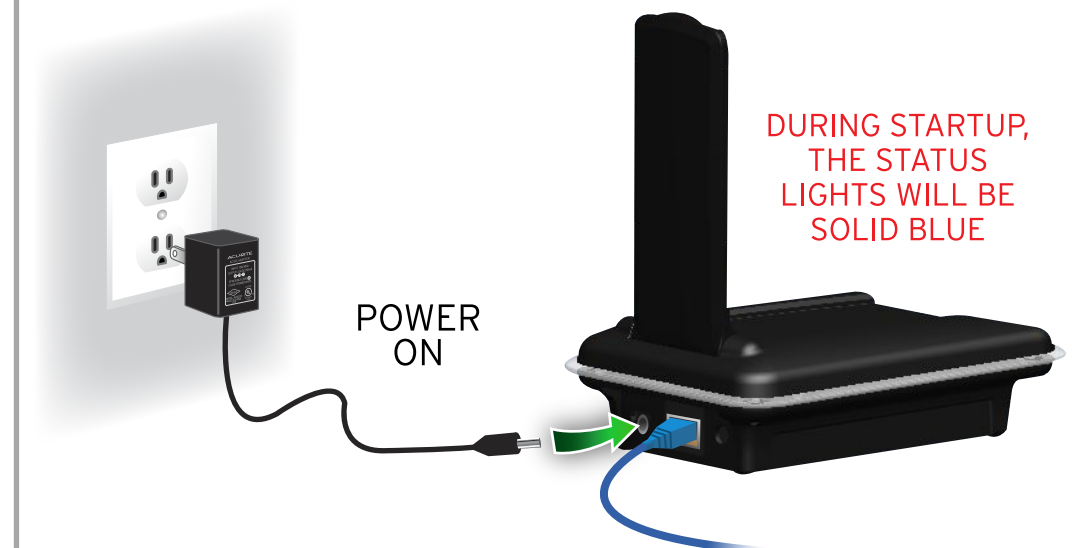


**3 Connect** the Ethernet cable to your network router\*

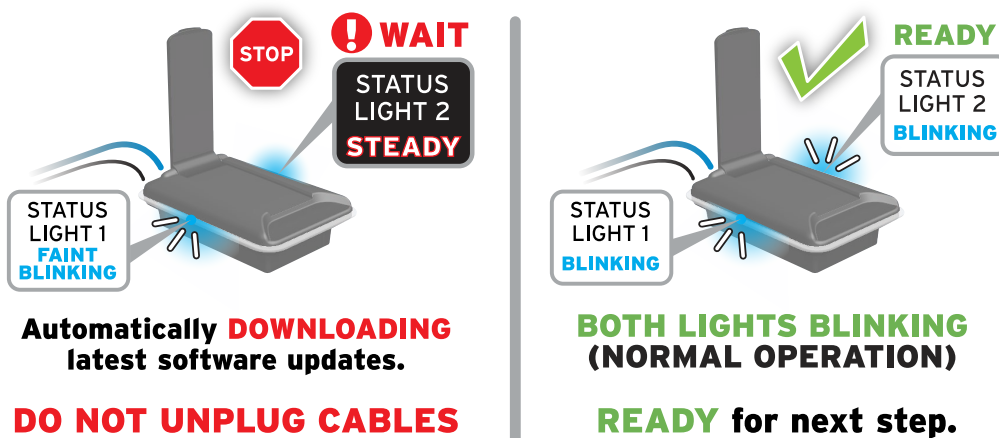


\*network router not included

**4 Plug in** the power adaptor. The bridge will take a minute to start up.



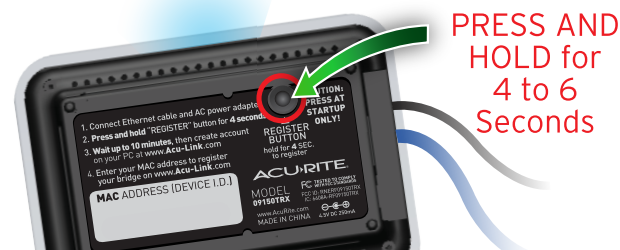
**5 STOP** The Internet Bridge MAY need up to 30 MINUTES to automatically download the latest software before it can register with the server.



**6** After **BOTH bridge status lights begin flashing**, PRESS AND HOLD the "REGISTER" button on the bottom of the bridge for 4 to 6 seconds.

⚠ **DO NOT** press and hold the "REGISTER" button for more than 6 seconds. Pressing the "REGISTER" button too long could cause the Bridge to reset.

⚠ The blue status lights will continue to flash, indicating normal operation.



⚠ TO AVOID LOSS OF WEATHER DATA, ONLY PRESS "REGISTER" BUTTON DURING INITIAL INSTALLATION ⚠

**7** It MAY take up to 10 minutes for the Bridge to send the signal to the AcuRite servers. **Create your account** and register your Bridge at:

[www.AcuLink.com](http://www.AcuLink.com)



OR



Available on the App Store

GET IT ON Google play

[www.AcuLink.com](http://www.AcuLink.com)

Acu-Link APP

## Having Problems? We're Here to Help!

If you have reviewed the troubleshooting section to the right and you still have questions, AcuRite offers several support options to help get the answers you want:

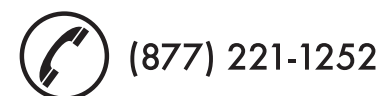
### Visit us online



[www.AcuRite.com](http://www.AcuRite.com)

AcuRite.com offers customer support, videos, installation tips and a user forum. The AcuRite Support Forum is an active public community where you can exchange ideas and information with other AcuLink users, or post questions for customer support. AcuRite actively engages users in this forum to improve our products and services.

### Talk to a real person



(877) 221-1252

Our friendly **U.S. Based Support team** is ready to assist you! You will find a knowledgeable, real person that is ready to help you on the other end of the line! After all, what good is all this technology without people standing behind it?

## Troubleshooting: No Power to Bridge

### Possible Solutions:

Make sure that the power adapter and cable is firmly connected and that power is being provided to the Bridge.

## Troubleshooting: I Can't Activate the Bridge online

### Possible Solutions:

Wait a few minutes before attempting to register your bridge on [www.AcuLink.com](http://www.AcuLink.com). Depending on network and server traffic, it may take 10 minutes or longer after pushing the "REGISTER" button on the bridge for the signal to go through to the AcuLink servers.

Make sure you have pressed the "REGISTER" button located on the bottom of the Bridge for 4 to 6 seconds, note that the status lights will not change- they should simply keep blinking (normal operation).

RESET THE BRIDGE by unplugging the power adaptor for at least 2 minutes. Complete steps 4 - 7 of Internet Bridge setup.

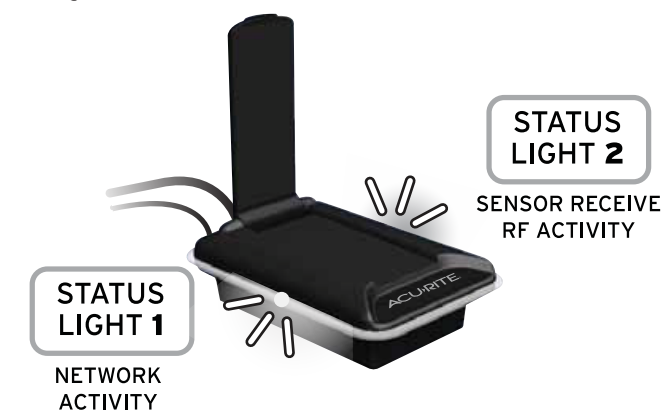
Make sure that DHCP is enabled on the router that the Bridge is connected to it. Most routers have DHCP enabled by default.

Check your network router settings. If MAC address filtering security has been enabled, your router may be ignoring outbound communication from the Bridge. Consult your network router's instruction manual or contact its manufacturer for more information.

If security is enabled on your network, temporarily disable it and try activating the Bridge again.

## Troubleshooting: What do the Bridge Lights Mean?

The Bridge features integrated status lights- similar to your home router, these lights help you determine the status of the Bridge:



Startup Sequence	Duration	STATUS LIGHT 1	STATUS LIGHT 2
1 Initial Boot	30 seconds	STEADY	STEADY
2 Downloading firmware from AcuRite server	5 to 30 minutes	BLINKING RAPIDLY (very dim)	STEADY
3 Re-Booting	30 seconds	STEADY	STEADY
4 Ready for Use (normal operation)	READY	BLINKING RAPIDLY	BLINKING RAPIDLY

## More Information

Visit [www.AcuRite.com/AcuLink](http://www.AcuRite.com/AcuLink) to learn more and to download additional documentation

- Full AcuLink system user manual covers the hardware, the website, and the mobile app
- Tips and tricks to get the most out of your AcuRite products
  - Videos and tutorials
- Purchase additional sensors

## Monitor up to three compatible AcuRite sensors

Monitor conditions remotely using any compatible AcuRite sensor with your Bridge. Visit [www.AcuRite.com](http://www.AcuRite.com) for the most complete listing of compatible products that will work with your Internet Bridge.



**592TXR**  
INDOOR/OUTDOOR  
Temperature  
Humidity



**3N1TXC**  
OUTDOOR  
Temperature  
Humidity  
Wind Speed



**VN1TXCA1**  
OUTDOOR  
Temperature  
Humidity  
Wind Speed  
Wind Direction  
Rainfall

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