

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

Register online
to receive 1 year
warranty protection

www.AcuRite.com

OP NOW

SUPPORT

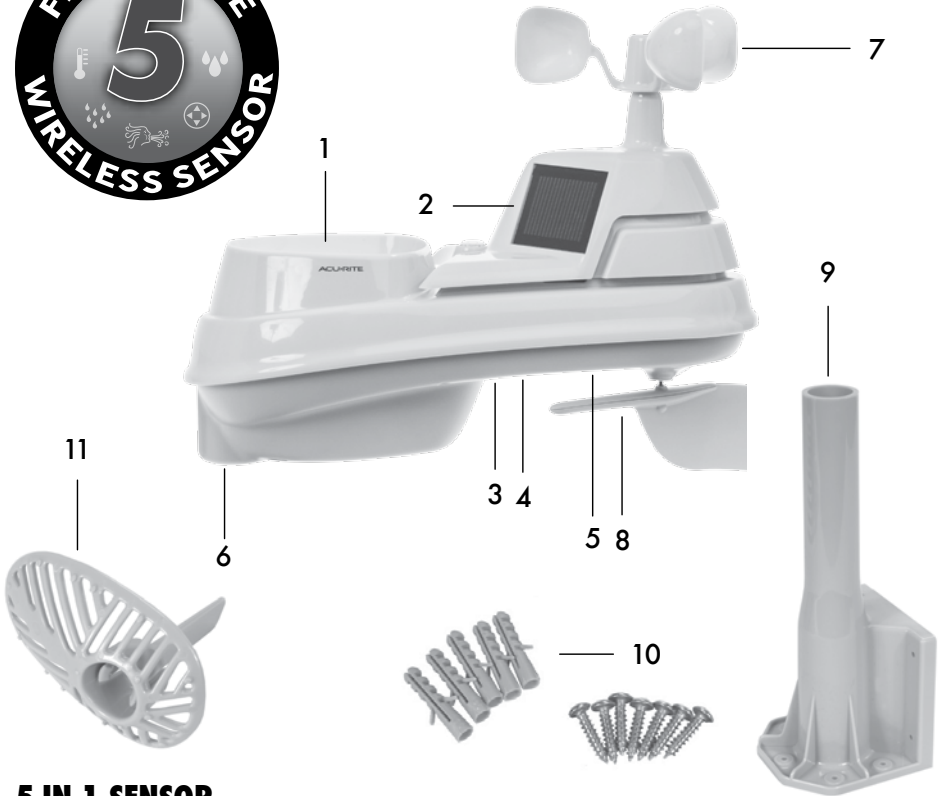
Support Forum

Archived Products

▶ Register a Product

Questions? Contact Customer Support at
(844) 228-5465 or visit 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.

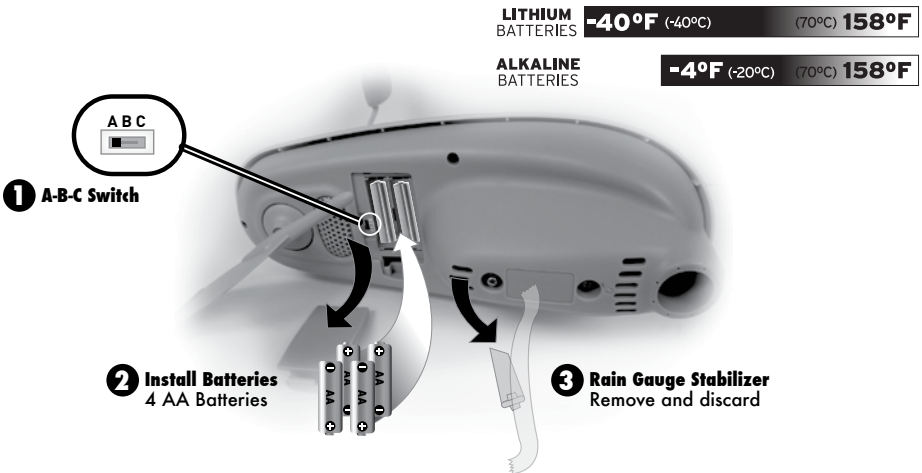
The 5-in-1 sensor requires lithium batteries in low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly. Use lithium batteries in the 5-in-1 sensor for temperatures below -4°F / -20°C.

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



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!

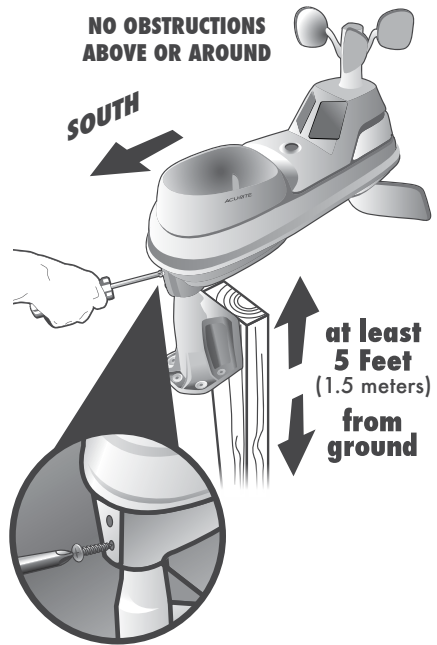
MOUNTING OPTIONS The included mounting bracket is designed to screw directly onto wooden posts or surfaces that are 2" x 4" or larger. The sensor can also be mounted directly to 3/4" steel pipe (available at hardware stores and home centers).

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

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

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

Specifications

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

Display for 5-in-1 Weather Sensor model 06037



Package Contents

1. Display with Tabletop Stand
2. Power Adapter
3. USB Cable
4. 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

Register online to receive 1 year warranty protection

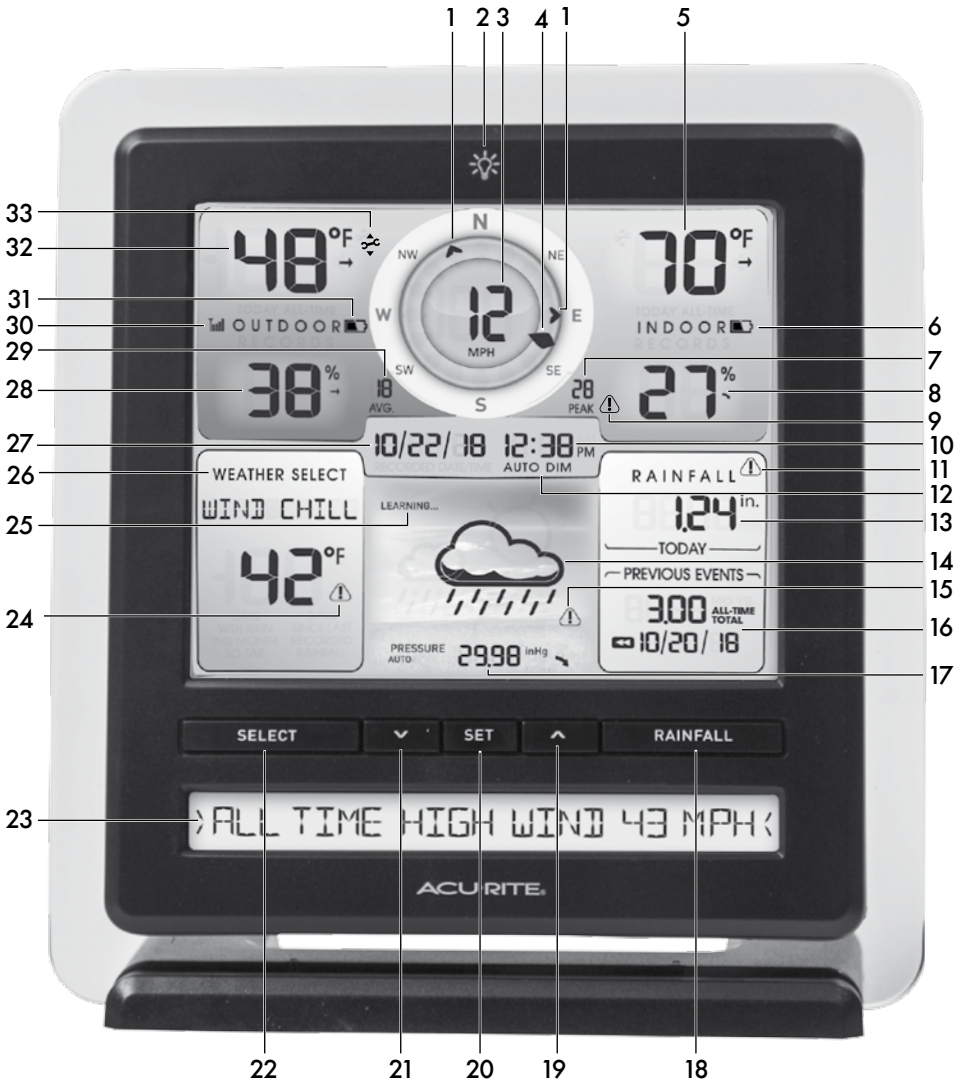
www.AcuRite.com

Questions? Contact Customer Support at
(844) 228-5465 or visit www.AcuRite.com.

SAVE THIS MANUAL FOR FUTURE REFERENCE.

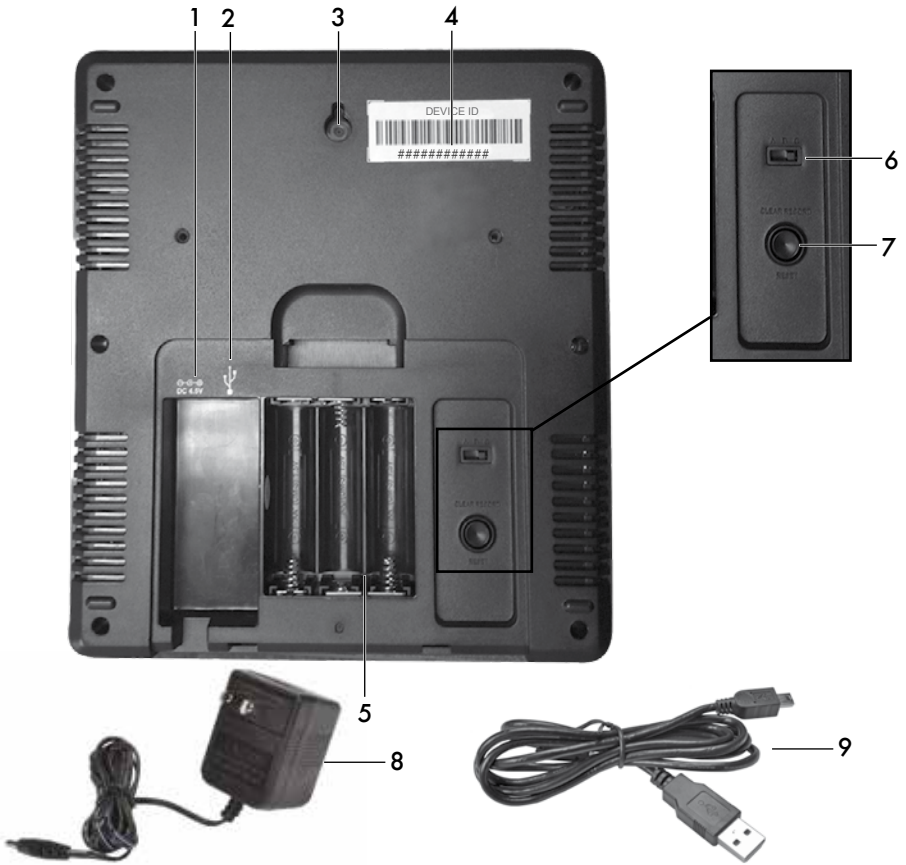
Features & Benefits

Display



- 1. Previous 2 Wind Directions**
- 2. Backlight Button**
For momentary backlight and dimmer settings.
- 3. Current Wind Speed**
- 4. Current Wind Direction**
- 5. Current Indoor Temperature**
Arrow icon indicates direction temperature is trending.
- 6. Display Low Battery Indicator**
- 7. Peak Wind Speed**
Highest speed from the last 60 minutes.
- 8. Current Indoor Humidity**
Arrow icon indicates direction humidity is trending.
- 9. Wind Speed Alert Indicator**
Activates when wind speed is over 50 mph.
- 10. Clock**
- 11. Heavy Rainfall Warning Icon**
Activated when over 1 inch of rainfall is recorded in 2 hours or less.
- 12. AUTO DIM Indicator**
Indicates display is in auto-dimming brightness mode (see page 6).
- 13. Current Rainfall**
Rainfall recorded since 12:00am.
- 14. 12 to 24 Hour Weather Forecast**
Self-Calibrating Forecasting pulls data from your 5-in-1 sensor to generate your personal forecast.
- 15. Storm Alert Indicator**
Activates when barometric pressure drops.
- 16. Month/Year/All-Time Rainfall**
- 17. Current Barometric Pressure**
Arrow icon indicates direction pressure is trending.
- 18. RAINFALL Button**
Press to change the RAINFALL data being displayed (Month, Year, All-Time).
- 19. ^ Button**
For setup preferences.
- 20. SET Button**
For setup preferences.
- 21. v Button**
For setup preferences.
- 22. SELECT Button**
Press to change the WEATHER SELECT category data being displayed.
- 23. Weather Ticker™**
- 24. Heat Index/ Wind Chill Alert Indicator**
Activates when heat index rises over 90°F (32°C) or when wind chill drops below -17°F (-27°C).
- 25. Learning Mode Icon**
Disappears after weather forecast self-calibration is complete.
- 26. WEATHER SELECT**
Displays heat index, dew point, wind chill, feels like, days with rain this month, and days since last recorded rainfall.
- 27. Date**
- 28. Current Outdoor Humidity**
Arrow icon indicates direction humidity is trending.
- 29. Average Wind Speed**
Average wind speed over the past 2 minutes.
- 30. 5-in-1 Sensor Signal Strength**
- 31. Sensor Low Battery Indicator**
- 32. Current Outdoor Temperature**
Arrow icon indicates direction temperature is trending.
- 33. Calibration Indicator**
Appears next to calibrated values.

Back of Display



BACK OF DISPLAY

- 1. Plug-in for Power Adapter**
- 2. Plug-in for USB Cable**
- 3. Integrated Hang Hole**
For easy wall mounting.
- 4. DEVICE ID**
12 digit unique ID required for online connectivity functions.
- 5. Backup Battery Compartment**
- 6. A-B-C Switch**
ID code that must match 5-in-1 sensor's A-B-C switch to ensure units synchronize.

- 7. CLEAR RECORD/ RESET BUTTON**
Press and release to clear data recorded since 12:00 am. Press and HOLD for full reset to factory defaults.
- 8. Power Adapter**
- 9. USB Cable for PC Connection**
- 10. Battery Compartment Cover**
(not shown)

Display Setup

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 in order for the units to synchronize.

2 Plug Power Adapter into Electric Outlet

1 A-B-C Switch set to match sensor

A B C



3 Write Down the DEVICE ID

12 digit unique ID needed for online connectivity functions.

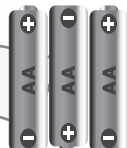
24 C8 6E

4 Install or Replace Backup Batteries (optional)

Insert 3 x AA alkaline batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.

3 Write Down DEVICE ID 12 digit number

4 Install Backup Batteries 3 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, 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, KPH, Knots)

RAINFALL UNITS (in or mm)

PRESSURE UNITS (inHg or hPa)

TICKER DISPLAY:

LANGUAGE (English, French, Spanish)

WEATHER TICKER SPEED (SLOW, MEDIUM, FAST)

PC CONNECT MODE (1, 2, 3, 4)

You will automatically exit SET MODE if no buttons are pressed for 20 seconds. Enter setup 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 "💡" button.

When display is powered with the power adapter, backlight remains on at 100% brightness. Press "💡" 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.

AUTO DIM MODE: 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 and the sensor are critical to the accuracy and performance of this product.



Display Placement

Place the display 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 stands upright for tabletop use or is wall-mountable.

Important Placement Guidelines

Display and sensor must be within 330 feet (100 m) of each other.

MAXIMIZE WIRELESS RANGE

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

PREVENT WIRELESS INTERFERENCE

Place both units at least 3 feet (.9 m) away from electronic devices (TV, computer, microwave, radio, etc.).

PC Connect

PC Connect works with PCs to provide access to your Weather Center data in the following ways:

- **Data File:** The display logs (or stores) data so that you can download it to a CSV (comma separated values) data file on your PC.
- **Web Browser or Smartphone:** Monitor sensor data remotely using AcuRite's free AcuRite online software, or from a mobile device using the free AcuRite app, available from the Apple App Store or Google Play Store.
- **Weather Underground:** This weather station is compatible for streaming data to the Weather Underground Personal Weather Station Network. For more information, navigate to: www.acurite.com > Support > Downloads

USB Mode

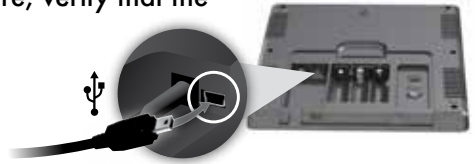
To set up PC Connect, you must first select mode 3 on your display to gain access to all functionality. Modes 1, 2 and 4 are not used for the PC Connect software.

1. While in normal viewing mode, press and release the "SET" button until "PC CONNECT MODE" appears on the Weather Ticker™ screen.
2. Press and release the "∧" or "∨" buttons to select mode 3.
3. Press the "SET" button to confirm your selection. PC Connect USB Mode is now set.

Download the Software

The PC Connect software is available online as a free download. A manual (PDF) is included with the software download.

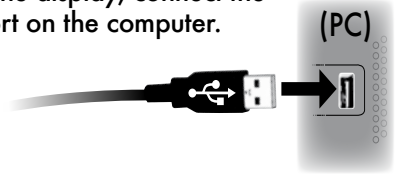
Before setting up the PC Connect software, verify that the display is ON with the power adapter plugged in. Next, connect the mini-USB (small end of the cable) into the USB port on the display, located inside the battery compartment.



- 1** Download PC Connect software to your computer by visiting: **www.acurite.com > Support > Downloads**
- 2** Open the file that was downloaded in step 1 and follow the on-screen instructions to install the software.
- 3** After PC Connect is installed on the computer, the initial configuration will begin automatically. Select where to save weather data downloaded from the display. By default, this will create a folder on the computer.
- 4** When prompted by the software to plug in the display, connect the USB (larger end of the cable) into a USB port on the computer.

PC Connect is installed and ready for use.

Follow the instructions within the PC Connect app to complete setup and begin using the software.









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.

STORM LIKELY	PARTLY CLOUDY	CLOUDY	RAIN LIKELY	SNOW LIKELY	CHANCE OF MIXED RAIN & SNOW
					

View the complete list of icons at 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.

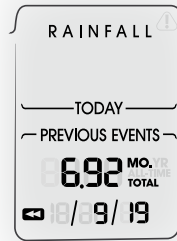
Press the "RAINFALL" button to review rainfall records. The  icon is shown on the display while historical data is being viewed.

Records are shown in the following order:

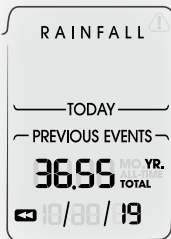
- PREVIOUS RAINFALL #1 *
- PREVIOUS RAINFALL #2 *
- PREVIOUS RAINFALL #3 *
- CURRENT MONTH TOTAL RAINFALL
- PREVIOUS MONTH TOTAL RAINFALL
- 2 MONTHS AGO TOTAL RAINFALL
- CURRENT YEAR TOTAL RAINFALL
- PREVIOUS YEAR TOTAL RAINFALL
- ALL-TIME TOTAL RAINFALL (date shown is start date of the all-time total; 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 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
DATA LOGGER FULL...CONNECT TO PC TO TRANSFER

Troubleshooting

Problem	Possible Solution
<p>No outdoor sensor reception</p>  no bars	<ul style="list-style-type: none"> • Relocate the display and/or the 5-in-1 sensor. The units must be within 330 ft (100 m) of each other. • Make sure both units are placed at least 3 feet (.9 m) away from electronics that may interfere with the wireless communication (such as TVs, microwaves, computers, etc). • Use standard alkaline batteries (or lithium batteries in sensor when temperature is below -4°F/-20°C). Do not use heavy duty or rechargeable batteries. NOTE: It may take a few minutes for display and sensor to synchronize after batteries are replaced. • Synchronize the units: <ol style="list-style-type: none"> 1. Bring both the sensor and display indoors and remove power adapter/batteries from each. 2. Reinstall batteries in outdoor sensor. 3. Reinstall power adapter/batteries in display. 4. Let the units sit within a couple feet of each other for a few minutes to gain a strong connection.
<p>Outdoor temperature is flashing or showing dashes</p>	<p>Flashing of the outdoor temperature may be an indication of wireless interference.</p> <ul style="list-style-type: none"> • Make sure the A-B-C switch in the battery compartments of both the display and sensor are switched to the same letter. You may choose A, B or C; but both units must match to sync up. Sometimes changing to a different channel can help.
<p>Inaccurate forecast</p>	<ul style="list-style-type: none"> • Weather Forecast icon predicts conditions for the next 12 to 24 hours, not current conditions. • Has Learning Mode icon disappeared from the display? Learning Mode must complete before forecast and pressure will be accurate. • Allow unit to run continuously for 33 days. Battery removal or resetting the display will restart Learning Mode. After 14 days, forecast should be fairly accurate, however Learning Mode calibrates for a total of 33 days.

Troubleshooting

Problem	Possible Solution
<p>Inaccurate temperature or humidity</p>	<ul style="list-style-type: none"> • Make sure both the display and 5-in-1 sensor are placed away from any heat sources or vents (see page 7). • Make sure both units are positioned away from moisture sources (see page 7). • Make sure 5-in-1 sensor is mounted at least 5 ft off of the ground. • Calibrate indoor and outdoor temperature and humidity (see page 15).
<p>No rainfall</p>	<ul style="list-style-type: none"> • Check to ensure the rain gauge stabilizer (plastic tab) has been removed from the bottom of the sensor. • Clear debris, such as leaves, out of the rain collector funnel and debris screen.
<p>Inaccurate wind readings</p>	<ul style="list-style-type: none"> • 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. • 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). • Ensure wind cups are spinning freely. If they hesitate or stop try lubricating with graphite powder or spray lubricant.
<p>USB connectivity not working</p>	<ul style="list-style-type: none"> • Verify display is in USB mode 3 (see page 7). • Unplug USB from display to computer for 20 seconds, and then plug back in. • Check that the batteries are installed correctly. Batteries may need to be replaced. • Reset the display by pressing and holding the CLEAR RECORD/ RESET button, located on the back of the display. Date and time will need to be entered after a reset.
<p>Display screen not working</p>	<ul style="list-style-type: none"> • Check that the power adapter is plugged into the display and an electrical outlet. • Reset the display by pressing and holding the CLEAR RECORD/ RESET button, located on the back of the display. Date and time will need to be entered after a reset.

Troubleshooting

Problem	Possible Solution
Cannot access data online or on the AcuRite mobile app	<ul style="list-style-type: none">• Verify under Status that data was received from the indoor display. The timestamp should update every 18-36 seconds.• Verify that you created an account or logged into an existing account at www.MyAcuRite.com or in the AcuRite app, and that you input the display's DEVICE ID as a part of the account setup.• Verify the PC that the display is connected to is always powered ON.• Verify the PC that the display is connected to is always connected to the internet.• Verify that the display's DEVICE ID is entered correctly in the PC Connect software on your PC.• Verify that "Sharing" is enabled in the PC Connect software on your PC.• Verify that the display's DEVICE ID is correct in your www.MyAcuRite.com and/or AcuRite mobile app account.• Follow on-screen troubleshooting steps in the PC Connect software.
No data received from indoor display	<ul style="list-style-type: none">• Verify that the USB cable is securely connected to the display AND to the PC.• Verify the display is powered ON.• Restart the PC Connect software.• Unplug the USB cable from the PC for 1 minute, then plug the cable back in again.• USB port may be malfunctioning, try using a different USB port.

Care & Maintenance

Display 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 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 20 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

DISPLAY'S BUILT-IN TEMPERATURE SENSOR RANGE	32°F to 122°F; 0°C to 50°C
DISPLAY'S BUILT-IN HUMIDITY SENSOR RANGE	1% to 99%
WIND SPEED	0 to 99 mph; 0 to 159 kph
WIND DIRECTION INDICATORS	16 points
RAINFALL	0.01 inches (0.25 mm) and up
WIRELESS RANGE	330ft / 100m depending on home construction materials
OPERATING FREQUENCY	433 MHz
POWER	5V, 250mA adapter 3 x AA alkaline batteries (optional)
DATA REPORTING	Wind Speed: 18 second updates; Direction: 36 seconds Outdoor temperature & humidity: 36 second updates Indoor temperature & humidity: 60 second updates PC Connect CSV Data Logging: 12 minute intervals PC Connect to Online Portal/App: 18 seconds
DISPLAY MEMORY	512 kilobytes (not expandable)
PC CONNECT SYSTEM REQUIREMENTS	Mac OS X 10.9 (Mavericks) or higher
	Windows 10 / 8.1 / 8 / 7; 1 GHz or faster processor; 1 GB (32-bit) or 2 GB (64-bit) of RAM; available USB port
	High speed internet is required for some advanced features of PC Connect, such as Weather Underground Rapid Fire 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.

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:



(844) 228-5465

Visit us at www.AcuRite.com

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

IMPORTANT

PRODUCT MUST BE REGISTERED
TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION

Register online to receive 1 year warranty protection

www.AcuRite.com

Limited 1-Year Warranty

AcuRite is a wholly owned subsidiary of Chaney Instrument Company. For purchases of AcuRite products, AcuRite provides the benefits and services set forth herein. For purchases of Chaney products, Chaney provides the benefits and services set forth herein.

We warrant that all products we manufacture under this warranty are of good material and workmanship and, when properly installed and operated, will be free of defects for a period of one year from the date of purchase.

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 us, and at our sole option, be repaired or replaced by us. Transportation costs and charges for returned goods shall be paid for by the purchaser. We hereby disclaim all responsibility for such transportation costs and charges. This warranty will not be breached, and we will give no credit for products which have received normal wear and tear not affecting the functionality of the product, been damaged (including by acts of nature), tampered, abused, improperly installed, or repaired or altered by others than our authorized representatives.

Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). If we determine that repair or replacement is not feasible, we may, at our option, refund the amount of the original purchase price.

THE ABOVE-DESCRIBED WARRANTY IS THE SOLE WARRANTY FOR THE PRODUCTS AND IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. ALL OTHER WARRANTIES OTHER THAN THE EXPRESS WARRANTY SET FORTH HEREIN ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

We expressly disclaim 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.

We further disclaim liability from personal injury relating to our products to the extent permitted by law. By acceptance of any of our products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to bind us to any other obligation or liability in connection with the sale of our products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this warranty unless done in writing and signed by a duly authorized agent of ours.

In no case shall our liability for any claim relating to our products, your purchase or your use thereof, exceed the original purchase price paid for the product.

Applicability of Policy

This Return, Refund, and Warranty Policy applies only to purchases made in the United States and Canada. For purchases made in a country other than the United States or Canada, please consult the policies applicable to the country in which you made your purchase.

Additionally, this Policy applies only to the original purchaser of our products. We cannot and do not offer any return, refund, or warranty services if you buy products used or from resale sites such as eBay or Craigslist.

Governing Law

This Return, Refund, and Warranty Policy is governed by the laws of the United States and the State of Wisconsin. Any dispute relating to this Policy shall be brought exclusively in the federal or State courts having jurisdiction in Walworth County, Wisconsin; and purchaser consents to jurisdiction within the State of Wisconsin.

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

©Chaney Instrument Co. All rights reserved. AcuRite is a registered trademark of the Chaney Instrument Co., Lake Geneva, WI 53147. All other trademarks and copyrights are the property of their respective owners. AcuRite uses patented technology. Visit www.AcuRite.com/patents for details.

1 PACKAGE CONTENTS

1. Flip-Up Antenna
2. Power Adapter Port
3. Ethernet Port
4. Network Status Light
5. Sensor Status Light
6. Ethernet Cable
7. Power Adapter



2 CONNECT smartHUB

Connect the Ethernet cable to the smartHUB and flip up the antenna.



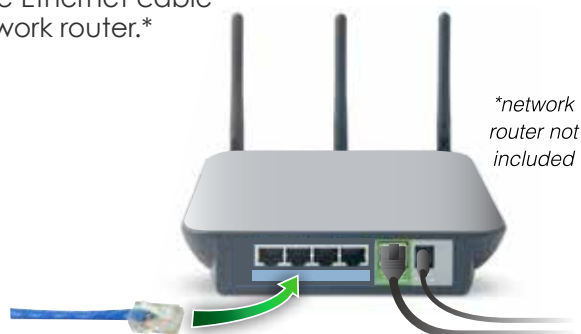
WRITE DOWN THE smartHUB Device ID; printed on the bottom of the device.

You will need this when adding the smartHUB to your account.

DEVICE ID

3 CONNECT ROUTER

Connect the Ethernet cable to your network router.*



*network router not included

4 PLUG IN

Plug In the power adapter. The smartHUB will take a minute to start up.

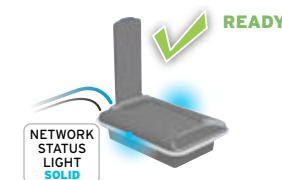


5 WAIT

After powering on your smartHUB, it will connect to the My AcuRite servers and download available firmware updates. This may take up to 30 minutes.



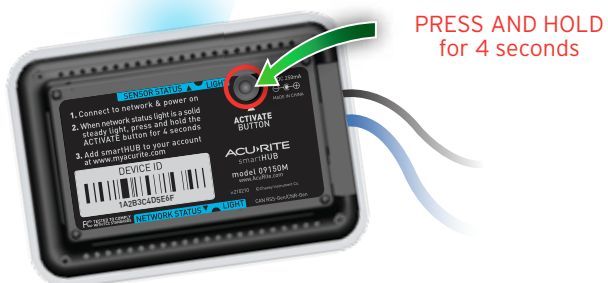
Automatically **DOWNLOADING** latest software updates. **DO NOT UNPLUG CABLES**



When Network Status Light stops flashing (is solid), you are **READY** for the next step.

6 ACTIVATE smartHUB

- After the firmware update is complete and the Network Status Light is solid, press and hold the ACTIVATE button for 4 seconds to begin communication with the My AcuRite servers.
- The Network Status Light will remain solid, indicating normal operation.



7 CREATE YOUR ACCOUNT

Create your account and register your smartHUB at www.MyAcuRite.com or within the AcuRite mobile app. **Note:** It may take up to 10 minutes for the smartHUB to communicate with the My AcuRite servers.



OR



Available on the App Store

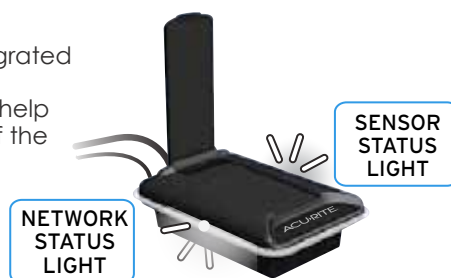
GET IT ON Google play

www.MyAcuRite.com

AcuRite APP

What do the smartHUB lights mean?

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



smartHUB State	Network Status Light	Sensor Status Light
Working normally power applied, network (Internet) connection, receiving sensor readings	Flashes for 1 second each time a reading is sent	Solid steady light
Downloading firmware updates	Flashes rapidly	Solid steady light
No sensor readings smartHUB has not received a reading for more than 60 seconds	Solid steady light	Flashes rapidly
No network (Internet) connection	Flashes rapidly in 30 second intervals	Solid steady light
No power	Off	Off

FCC Statement

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: 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 license-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 1 Year Warranty

AcuRite is a wholly owned subsidiary of Chaney Instrument Company. For purchases of AcuRite products, AcuRite provides the benefits and services set forth herein. For purchases of Chaney products, Chaney provides the benefits and services set forth herein.

We warrant that all products we manufacture under this warranty are of good material and workmanship and, when properly installed and operated, will be free of defects for a period of one year from the date of purchase.

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 us, and at our sole option, be repaired or replaced by us. Transportation costs and charges for returned goods shall be paid for by the purchaser. We hereby disclaim all responsibility for such transportation costs and charges. This warranty will not be breached, and we will give no credit for products which have received normal wear and tear not affecting the functionality of the product, been damaged (including by acts of nature), tampered, abused, improperly installed, or repaired or altered by others than our authorized representatives. Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). If we determine that repair or replacement is not feasible, we may, at our option, refund the amount of the original purchase price.

THE ABOVE-DESCRIBED WARRANTY IS THE SOLE WARRANTY FOR THE PRODUCTS AND IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. ALL OTHER WARRANTIES OTHER THAN THE EXPRESS WARRANTY SET FORTH HEREIN ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

We expressly disclaim 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.

We further disclaim liability from personal injury relating to its products to the extent permitted by law. By acceptance of any of our products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to bind us to any other obligation or liability in connection with the sale of our products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this warranty unless done in writing and signed by a duly authorized agent of ours.

In no case shall our liability for any claim relating to our products, your purchase or your use thereof, exceed the original purchase price paid for the product.

Applicability of Policy

This Return, Refund, and Warranty Policy applies only to purchases made in the United States and Canada. For purchases made in a country other than the United States or Canada, please consult the policies applicable to the country in which you made your purchase.

Additionally, this Policy applies only to the original purchaser of our products. We cannot and do not offer any return, refund, or warranty services if you buy products used or from resale sites such as eBay or Craigslist.

Governing Law

This Return, Refund, and Warranty Policy is governed by the laws of the United States and the State of Wisconsin. Any dispute relating to this Policy shall be brought exclusively in the federal or State courts having jurisdiction in Walworth County, Wisconsin; and purchaser consents to jurisdiction within the State of Wisconsin.

©Chaney Instrument Co. All rights reserved. AcuRite is a registered trademark of the Chaney Instrument Co., Lake Geneva, WI 53147. All other trademarks and copy-rights are the property of their respective owners. AcuRite uses patented technology.

Visit www.AcuRite.com/patents for details.

09150M INST 071816

TROUBLESHOOTING

smartHUB is not recognized when adding to My AcuRite account

Possible Solutions:

- Allow up to ten minutes for the smartHUB device ID to be activated with www.MyAcuRite.com.
- Make sure you entered the Device ID correctly. Verify the 12-digit Device ID located on the bottom side of the smartHUB and re-enter on My AcuRite.
- Verify the smartHUB has a network (Internet) connection. If the Network Status Light flashes rapidly in 30 second intervals, this indicates there is no Internet connection.
- Unplug the smartHUB power adapter, wait ten seconds, then plug back in.

smartHUB Sensor Status Light is continuously flashing rapidly

When the Sensor Status Light is continuously flashing rapidly, the smartHUB has not received a sensor reading for more than 60 seconds.

Possible Solutions:

- Make sure the sensor is in wireless range - all sensors should be no more than 330 feet (100 meters) from the smartHUB.
- Make sure the sensor batteries are installed correctly. Batteries may need to be replaced.
- Make sure the smartHUB is located at least 3 feet away from "noisy" electronic devices, including TVs and microwaves. Avoid locations that are near large stone or concrete surfaces and metallic surfaces.

smartHUB has no network (Internet) connection

When the Network Status Light flashes rapidly in 30 second intervals, the smartHUB cannot establish a network (Internet) connection:

Possible Solutions:

- Make sure the Ethernet cable is firmly connected. The cable may be defective and need to be replaced.
- Make sure DHCP is enabled on your router. 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 the outbound communication from the smartHUB. Consult your network router's instruction manual or contact the manufacturer for more information. **NOTE:** The smartHUB Device ID is its MAC address.
- The Ethernet port on your router may be malfunctioning. Try connecting the cable to a different port.

HAVING PROBLEMS?

We're Here to Help!

If your AcuRite product does not operate properly after trying the troubleshooting steps, visit www.AcuRite.com or call (844) 228-5465 for assistance.

Visit us online www.AcuRite.com

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

U.S. based support (844) 228-5465

AcuRite customer support is committed to providing you with best-in-class service.

IMPORTANT

Product must be registered to receive warranty service. Register online to receive 1 year warranty protection at www.AcuRite.com.



PC Connect for Windows/Mac Instruction Manual

Store, Track & Share Readings

Legal Notice

Copyright ©2016 Chaney Instrument Co.

All rights reserved.

Information in this document is subject to change without notice. The software described in this document is furnished under a license agreement or nondisclosure agreement. The software may be used or copied only in accordance with the terms of those agreements. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical or otherwise, for any purpose, without the prior written permission of Chaney Instrument Co..

Chaney Instrument Co.

965 Wells Street

Lake Geneva WI 53147

Web: www.acurite.com

Phone: + 1 844 228 5465

Fax: +1 262 248 8707

CONTENTS

PC Connect Features

Status	4
Data Transfer	4
Preferences	5
Weather Sharing	5
Always-on Connection	5

Set up PC Connect

Install PC Connect	7
Connect Indoor Display	9
Set up Weather Sharing	10
Set up Data Transfers	12
Set Display Units	14
Set Reading Calibration	15
Set Barometric Pressure Adjustment	16
Set Always-On Connection	17
View PC Connect Status	18

PC Connect Frequently Asked Questions

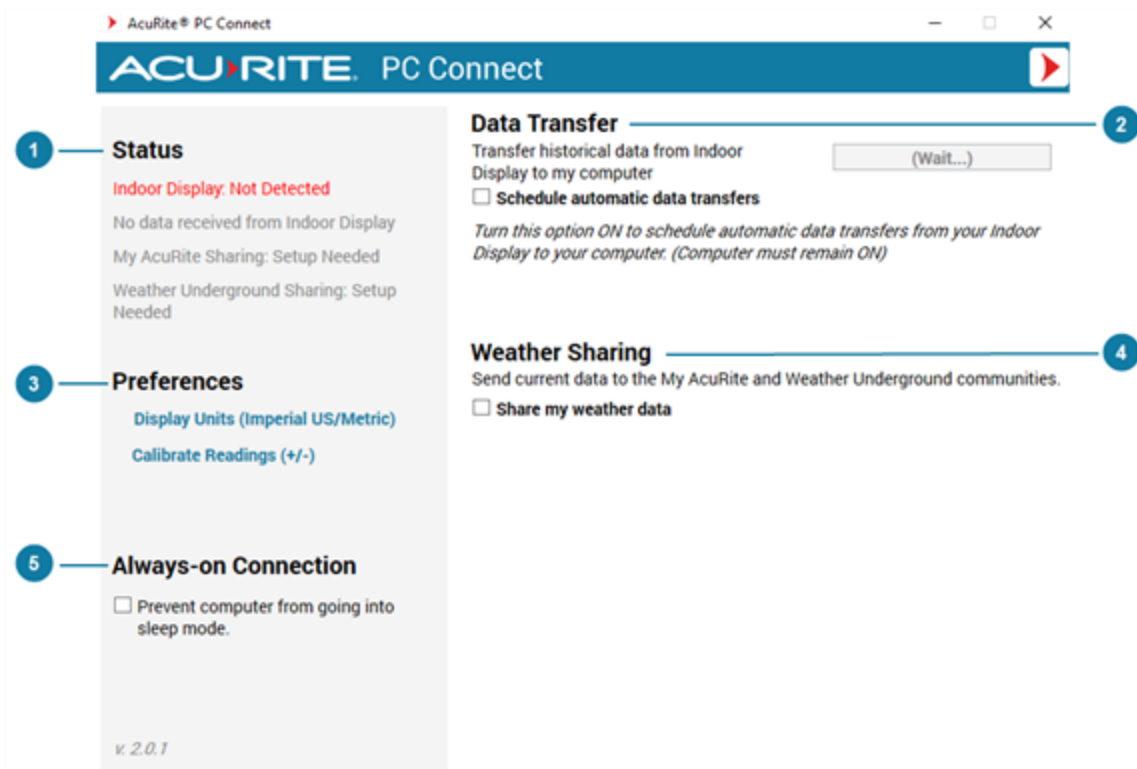
Where do I set the USB Mode in PC Connect?	19
How often is my data sent from PC Connect to Weather Underground when Rapid Fire Updating is enabled?	19
Does PC Connect have a software auto-update feature?	19
Cannot write to the Data Transfer CSV file when the file is open	19

Connect with Support

Visit our online support	20
Talk with a support representative	20
Activate Warranty	20
Join the AcuRite Community Forum	20

PC Connect Features

PC Connect provides an easy method to share the readings collected by a single 5-in-1 Weather Station with My AcuRite and Weather Underground, and store readings on your computer.



1 Status

The Status section provides a summary of the setup, connection, and sharing statuses. From here, you can quickly identify if everything is working as expected or if there is an issue with the setup or a connection.

2 Data Transfer

You can set up PC Connect to transfer the readings collected by your 5-in-1 Weather Station to a CSV file saved locally on your computer. The readings can be either manually transferred or set up to be automatically transferred based on a set schedule.

3

Preferences

You can set how reading units are displayed in the Data Transfer CSV file and set reading calibrations. When sensor placement or an environmental factor may impact readings, setting a reading calibration can improve accuracy and barometric pressure can be adjusted for altitude. Calibrated readings and pressure adjustments are shared with My AcuRite and Weather Underground and stored in the Data Transfer CSV file.

4

Weather Sharing

You can set up PC Connect to share the readings collected by your 5-in-1 Weather Station with My AcuRite and Weather Underground. From My AcuRite, you can view and monitor your conditions online at anytime from the My AcuRite mobile app or from www.myacurite.com on your laptop or desktop computer.

To share with Weather Underground, you must have a My AcuRite account and set up sharing to My AcuRite, then register your AcuRite Weather Station (Personal Weather Station) with Weather Underground to obtain a Station ID and Password (Station Key).

5

Always-on Connection

To ensure continuous sharing with My AcuRite and Weather Underground and to allow scheduled Data Transfers, the PC Connect software must be open on your computer and your computer must be on and have an internet connection at all times. The PC Connect software can be minimized.

To prevent your computer entering sleep mode, it's recommend to enable the Always-on Connection setting.

Set up PC Connect

Installing the PC Connect software is simple, and once installed you can store and share readings collected by your 5-in-1 Weather Station.

Install PC Connect

Installing the PC Connect software is simple and once installed, you can set up Weather Sharing, Data Transfer, and other preferences.

Make sure your computer meets the minimum system requirements

- PC Connect for Windows: Operating System - Microsoft® Windows® 7, 8, 8.1, or 10
- PC Connect for Mac: Operating System - Mac® OS X Mavericks 10.9 or higher
- Processor speed - 1 GHz or greater
- Memory - 1 GB (32-bit) or 2 GB (64-bit) RAM
- Available USB port (2.0)
- Internet connection

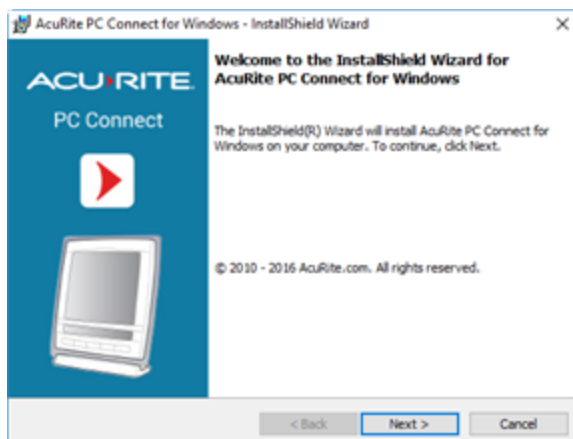
How to install the PC Connect software

1. Download the software - PC Connect is available in a Windows and Mac version.

For PC Connect for Windows - go to www.acurite.com > **Help** > **Download Software** > **My AcuRite - PC Connect for Windows Download** > select **Install PC Connect** > select **Run Now** (Run) to install or **Save** to install later (from your Downloads location, double-click on PC-Connect-Setup to install).

For PC Connect for Mac - go to www.acurite.com > **Help** > **Download Software** > **My AcuRite - PC Connect for Mac Download** > select **Install PC Connect**.

The **Install Wizard** guides you through the installation steps.

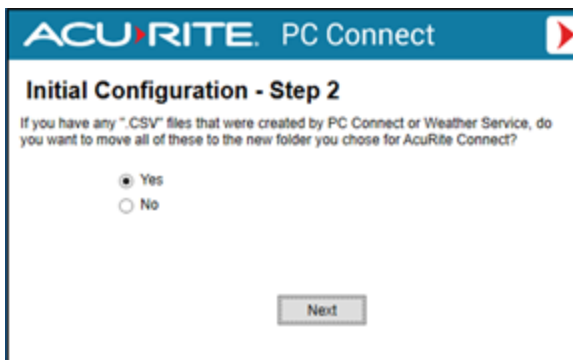


Once installation is complete, you are guided through the Initial Configuration steps.

1. Select where the Data Transfer CSV files will be saved. By default, they are saved to Documents\AcuRite Weather Station.



2. If you have CSV files from previous installed versions, select whether you want to move the files to the location selected in Step 1.



3. Reminder to uninstall - if you have any previous versions of PC Connect installed on your computer, please uninstall those later.



Connect Indoor Display

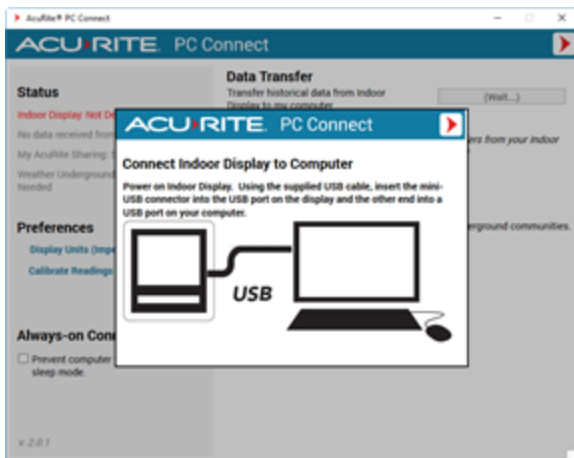
The Indoor Display is the unit that collects and displays the readings from a 5-in-1 Weather Station. The readings are sent to PC Connect by way of the USB connection between the Indoor Display and your computer.

NOTE

If your Weather Station is model 01025, 01035, 1036, 01525, or 02032 (model number is located on the back of the Indoor Display), you need to update its MODE setting. From the SET menu located on the front of Indoor Display, cycle through the settings to USB MODE or PC CONNECT MODE, and press the up arrow to set the MODE to 3 or 4, and press SET again to save.

How to connect the Indoor Display to your computer

1. Remove the battery compartment cover of the Indoor Display.
2. Using the supplied USB cable, insert the mini-USB connector into the USB port of the Indoor Display and insert the other end into a USB port on your computer. PC Connect searches for the Indoor Display connection.



3. From the Status section, verify the **Indoor Display** status changed to **Detected**.

Once readings are received from the Indoor Display, the Data Received status displays when the last reading data was received. The timestamp updates each time a reading is received from the Indoor Display.

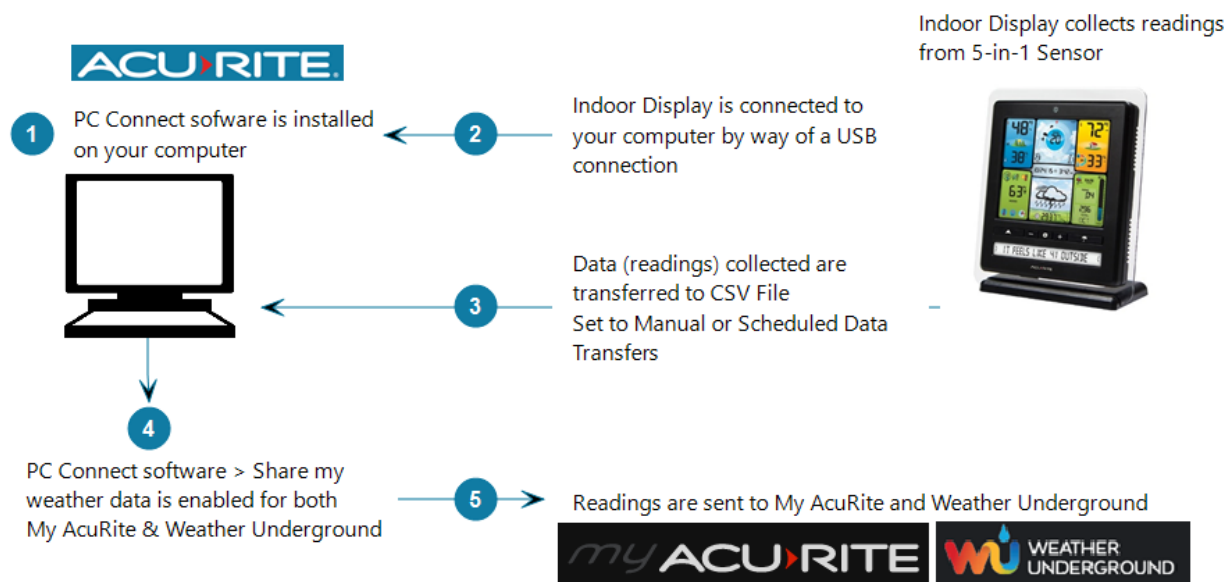
Set up Weather Sharing

From PC Connect, you can share the readings collected by your 5-in-1 Weather Station with My AcuRite and Weather Underground.

To view your readings online on at myacurite.com or from the AcuRite app, you must set up Weather Sharing in PC Connect. Once set up, create a My AcuRite account (go to www.myacurite.com to create an account) or if you already have a My AcuRite account, add the Device ID of the Indoor Display to your account.

To share with Weather Underground, you must have a My AcuRite account and enable sharing to My AcuRite in PC Connect, then register your AcuRite Weather Station (Personal Weather Station) with Weather Underground to obtain a Station ID and Password (Station Key).

How it works



WARNING

To ensure continuous sharing with My AcuRite and Weather Underground and to allow scheduled Data Transfers, the PC Connect software must be open on your computer and your computer must be on and have an internet connection at all times. The PC Connect software can be minimized.

How to set up Weather Sharing

1. Open the **PC Connect software**.
2. From the Weather Sharing section, select the check box **Share my weather data**.
3. From My AcuRite Sharing, enter the 12-character Device ID of the Indoor Display. The Device ID is located on the back of the unit.
4. Select **Share Now**. This activates the Device ID with My AcuRite, allowing you to add the Device ID to your My AcuRite account.

5. Go to myacurite.com or download the AcuRite app from the App Store or the My AcuRite app from Google Play to create a My AcuRite account. If you have an account, add the PC Connect Display to your account. Once the Device ID is added to your account, you can set up sharing with Weather Underground.
6. To share with Weather Underground, enter your **Weather Underground (WU) Station ID** and **Password (Station Key)** and select **Share Now**. Readings are sent in 12-minute intervals to Weather Underground.

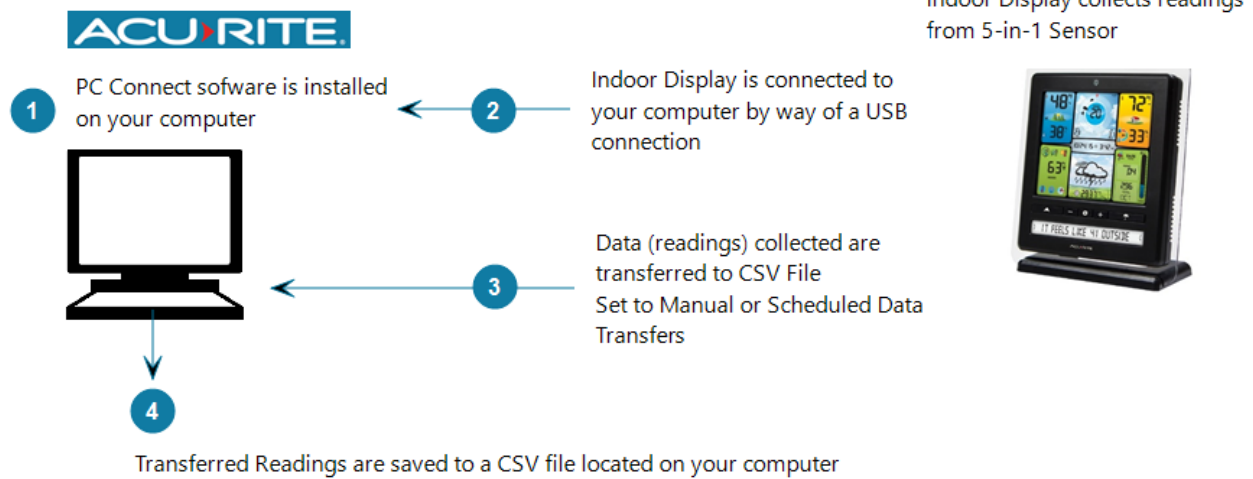
7. To share readings with Weather Underground as often as every 18 seconds, select Weather Underground RapidFire updates. Enabling Rapid Fire Updates may result in significantly more data being sent over your internet connection.
8. To prevent your computer from entering sleep mode, it's recommended to enable the Always-on Connection setting.

From the Status section, you can view the status of the sensor readings being sent to My AcuRite and Weather Underground.

Set up Data Transfers

You can set up PC Connect to transfer the readings collected by your 5-in-1 Weather Station to a CSV file. The readings can be manually transferred or set to automatically transfer based on a set schedule.

How it works



WARNING

To avoid a loss of data, do not unplug the Indoor Display or interrupt the data transfer process.

How to manually transfer data to PC Connect

1. Open the **PC Connect software**.
2. From the **Data Transfer** section, select **Transfer Now**.
3. Select where to save the CSV file.

The data transfer process starts automatically and a notification message appears when complete.

4. Once complete, select **Close**.

How to set up scheduled data transfers

1. Open the **PC Connect software**.
2. From the **Data Transfer** section, select the check box **Schedule automatic data transfers**.
3. Set the schedule settings.

How often would you like data to transfer?

Select the frequency that readings stored in the Indoor Display are to be transferred to the CSV file. These readings are stored in 12-minute intervals, and can be set to transfer every 12 minutes, 30 minutes, 1 hour, 6 hours, 24 hours, 7 days or every 12 days.

How would you like each data transfer saved?

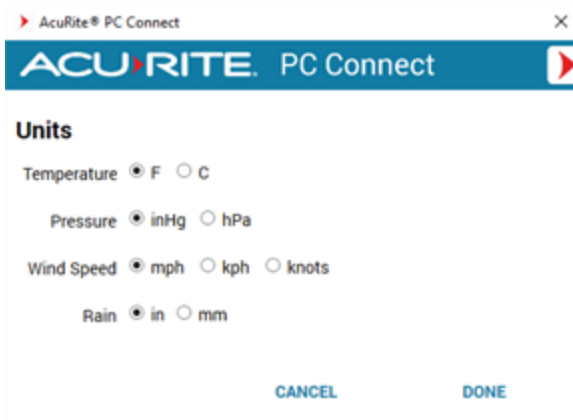
- **New dated file** - creates a new timestamped file each time data is transferred.
 - **Append to a single file** - continuously adds new data transfers to a single, cumulative file.
4. By default files are saved to the location set during the installation of PC Connect. To save the file to a new location, select **Choose Location**.

Set Display Units

You can set how reading units are displayed in the Data Transfer CSV file.

How to set display units

1. From the **Preferences** section, select **Display Units (Imperial US/Metric)**.
2. Set the how units are displayed.



3. Select **DONE** to save your changes.

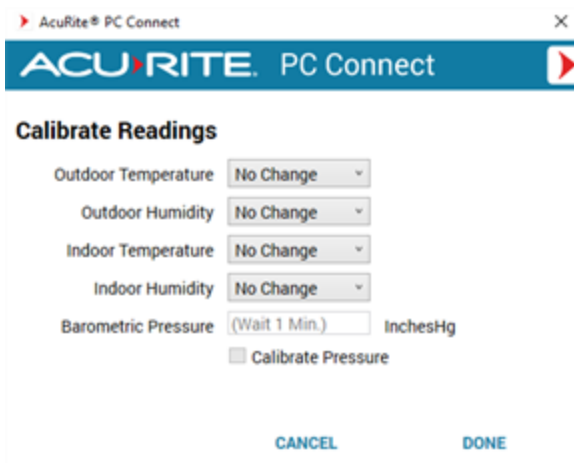
Set Reading Calibration

When sensor placement or an environmental factor may impact readings, setting a reading calibration can improve accuracy. Calibrated readings are shared with My AcuRite and Weather Underground, and stored in the Data Transfer CSV file.

You can set a reading type to a positive or negative degree of calibration. When a reading calibration is adjusted, the reading is offset by the set amount. For example, setting the temperature calibration to a -10 results in its readings to be displayed as 10 degrees less.

How to set reading calibrations

1. From the **Preferences** section, select **Calibrate Readings (+/-)**.
2. Set the reading calibration(s).



3. Select **DONE** to save your changes.

Set Barometric Pressure Adjustment

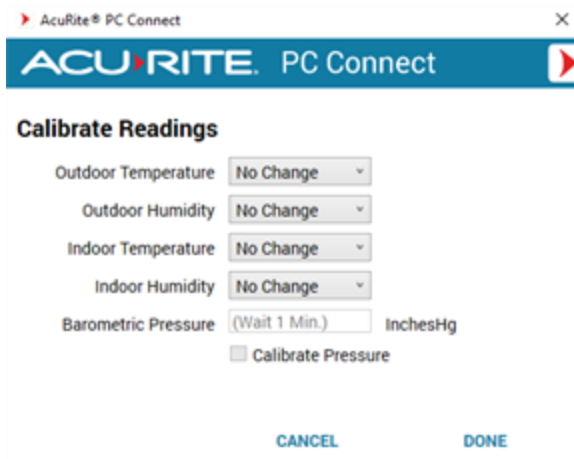
By default, PC Connect transmits Station Pressure, the exact pressure measurement taken by the Indoor Display internal barometer, which does not include any adjustment for altitude. If pressure is manually adjusted in the PC Connect software, these pressure adjustments are shared with My AcuRite, Weather Underground, and the Data Transfer CSV files.

TIP

If you don't know your current Adjusted Pressure, as long as your Weather Station display has completed the learning mode, you can enter in the PC Connect software the same adjusted reading as shown on your Weather Station display.

How to set a barometric pressure adjustment

1. From the **Preferences** section, select **Calibrate Readings (+/-)**.
2. From the Barometric Pressure setting, set a pressure adjustment in InchesHg. Pressure can be adjusted up to ± 10 inHg (338.6 hpa).
3. Select the check box **Calibrate Pressure**.



4. Select **DONE** to save your changes.

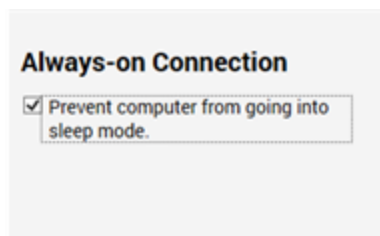
Set Always-On Connection

Your computer must always be on with an internet connection to share sensor readings with My AcuRite and Weather Underground and to allow scheduled data transfers. In addition, the PC Connect software must always be open and can be minimized.

If your computer enters sleep mode, the Weather Sharing and scheduled Data Transfers do not function. You can set PC Connect to prevent your computer from going into sleep mode by enabling the Always-on connection setting.

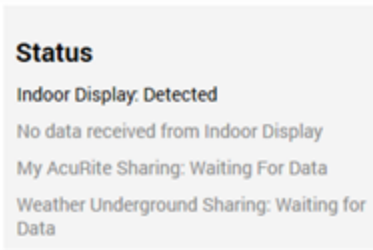
How to set an always-on connection

1. From the **Always-on connection** section, select the check box **Prevent computer from going into sleep mode**. A check mark appears in the check box when enabled.



View PC Connect Status

The Status section provides a summary of the status for all setup, connection, and sharing. From here, you can quickly identify everything is working as expected or if there is an issue with the setup or a connection.



Indoor Display connection

Identifies if PC Connect has detected the USB connection with the Indoor Display.

Data Received

Identifies if PC Connect has successfully received data from the Indoor Display, and displays the date and time data was last received by PC Connect.

My AcuRite Sharing

Indicates if My AcuRite sharing is configured, and if so, the current status of data being shared.

- **Setup needed** - sharing is not setup, enter Device ID and select Share Now.
- **Waiting for data** - establishing connection and preparing to send data to My AcuRite.
- **Data sending** - data sent to My AcuRite.

Weather Underground Sharing

Indicates if My AcuRite sharing is configured, and if so, the current status of data being shared.

- **Setup needed** - sharing is not setup.
- **Waiting for data** - establishing connection and preparing to send data to Weather Underground.
- **Data sending** - data sent to Weather Underground.

PC Connect Frequently Asked Questions

We have put together some of the most frequently asked questions for the PC Connect software.

Where do I set the USB Mode in PC Connect?

There is no USB mode setting in PC Connect. You may need to set the USB Mode on your Weather Station Indoor Display unit as indicated below. The model number is located on the back of the Indoor Display.

Weather Station models 02064 and 01536 - there is no USB Mode setting on the display. Simply open the PC Connect software and connect the Indoor Display to your computer using the supplied USB cable.

Weather Station models 01025, 01035, 01036, 01525 or 02032 - before you connect the Indoor Display to your computer, from the SET menu on the Indoor Display, cycle through the settings to USB MODE or PC CONNECT MODE and then using the up arrow set to 3 or 4 and press SET to save the setting.

How often is my data sent from PC Connect to Weather Underground when Rapid Fire Updating is enabled?

Data is sent to Weather Underground as often as every 18 seconds.

Does PC Connect have a software auto-update feature?

No. Software updates are posted on our web site. To view the latest PC Connect software version, from a web browser, go to > www.acurite.com > select **Support**> from the **Categories** section select **Downloads** > select **PC Connect Download**.

The current version installed on your computer is listed in the lower left corner of the PC Connect software screen (example v.2.0.0)

Before you install the latest version, be sure to uninstall any earlier versions.

Cannot write to the Data Transfer CSV file when the file is open

If the Data Transfer CSV file is open when a data transfer is scheduled to occur, PC Connect cannot write to the open file and the data scheduled to be transferred will be lost. To avoid a loss of data, the Data Transfer file must be closed during scheduled transfers.

Connect with Support

Need help? We are committed to providing exceptional customer support to each and every customer.

Visit our online support

Our online Knowledge Base provides you with product manuals, installation videos and tutorials, FAQs, and technical product specifications.

Go to www.acurite.com/support

Talk with a support representative

Our support staff is available to help you find answers to your questions.

Call +1 844 228 5465

Current Support Hours are available at www.acurite.com/support

Activate Warranty

AcuRite Product(s) must be registered to be eligible for warranty benefits.

Go to <https://www.acurite.com/product-registration>

Join the AcuRite Community Forum

Post questions, share your experience, and collaborate with AcuRite product users and our AcuRite employees. AcuRite employees engage with this forum to improve our products and services.

Go to <https://support.acurite.com/acurite>