

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

SCAN QR CODE WITH YOUR SMARTPHONE FOR INSTALL VIDEO



INCLUDES:

- Solar Battery Pack Assembly with 30-ft Cord
- #18650 3.7v Lithium Rechargeable Battery
- Pre-installed Wired Battery Compartment Adaptor FOR ACURITE IRIS SENSOR
- (3) Wire Routing Clips FOR ACURITE IRIS SENSOR
- (2) Short Screws for 3/4" POLE Mount.
- (2) Long Wood Screws for SURFACE Mount.

WHAT YOU WILL NEED:

- AcuRite Iris (5-in-1) or AcuRite Atlas Weather Sensor
- Phillips Screwdriver
- 3/4" Diameter Pole or Wood Surface/Post
- USB-C Charger (optional)

INTRODUCTION:

AcuRite weather sensors are most accurate if they are mounted up as high as possible. For some installations, this makes replacing batteries more difficult. The AcuRite Weather Sensors feature a modular design that allows for the installation of certain accessories and upgrades. The Solar Battery Pack allows you to power your outdoor sensor with a solar-powered rechargeable battery, so you don't need to worry about replacing drained batteries in a hard-to-reach place anymore. The advanced solar cell will charge the included lithium rechargeable battery with any available sunlight, and includes a "push-to-check" battery level indicator for easy monitoring.

BEFORE INSTALLING OUTDOORS:

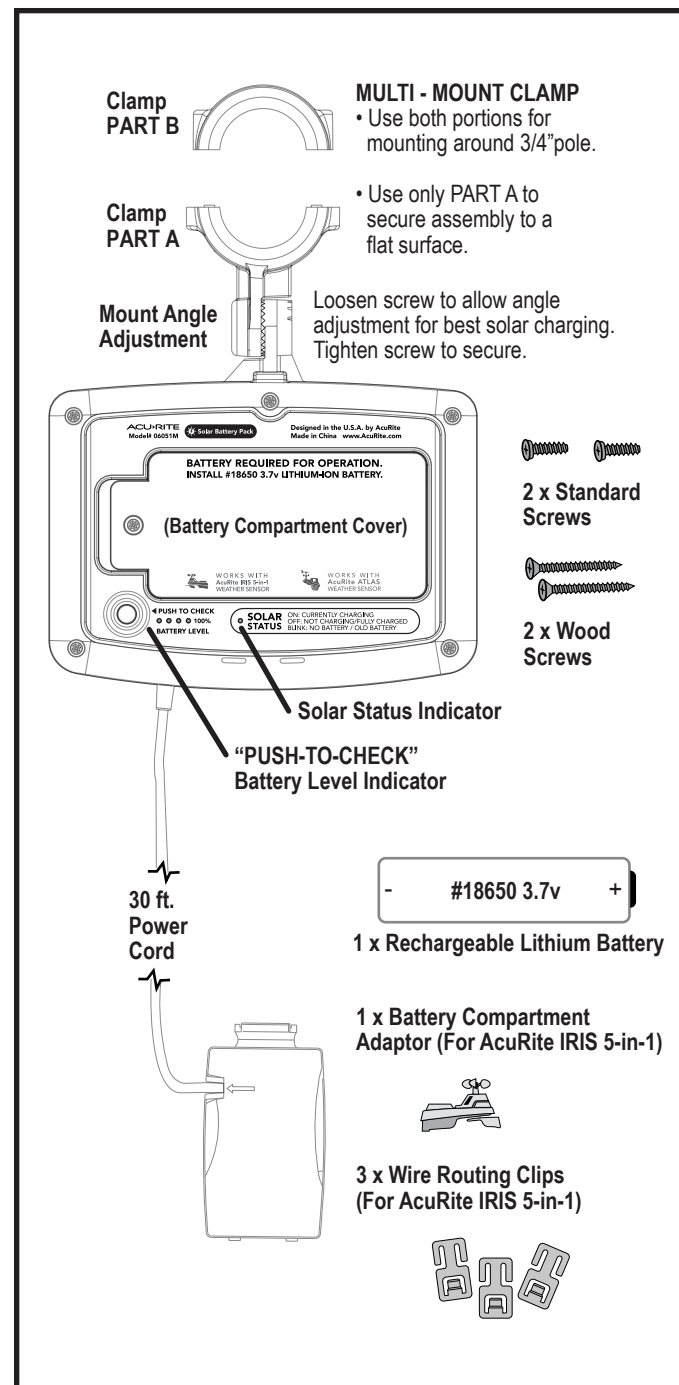
1. Carefully loosen the small Phillips type screw to remove the battery compartment cover on the back of the Solar Power Pack.
 2. Install the included #18650 rechargeable lithium battery into the solar power pack, following the polarity diagram in the battery compartment.
- Optional for installation in areas of lower sunlight** - Locate the USB-C charging port within the battery compartment and charge the battery completely with a USB-C charger (not included). Utilize the integrated battery level indicator to indicate when the battery is fully charged.

GENERAL SOLAR POWER CONSIDERATIONS:

- Solar cells should generally face the sun for best operation. The U.S. is in the northern hemisphere, and solar cells should ideally be mounted to FACE SOUTH.
- The solar cell angle is determined by the "Mount Angle Adjustment". Loosen the Phillips screw to allow adjustment of the angle, tighten to lock.
- It is recommended to mount the solar cell closer to flat in the summer months to take advantage of the strong mid-day sun. Adjust the angle to be closer to 45° in the winter months to capture the lower sun angles.
- Adjusting the solar cell to a 45° angle also aides any potential snow to slide off easier.
- Photovoltaic solar panels work by absorbing sunlight to create electricity. This comes primarily from the sun directly, but can also come from sunlight reflected from surrounding areas. When fully charged, the included battery provides ample power to run either the AcuRite Iris OR the AcuRite Atlas for extended lengths of time without substantial sun exposure. Because of this efficiency, the Solar Power Pack does NOT need to be mounted in a manner that will expose it to full sun all day long. In most cases, ambient sunlight with occasional direct sun exposure will provide adequate power to provide uninterrupted weather station operation.
- Periodically check the solar cell surface for dust and/or debris and clean it with a damp cloth if necessary to maintain peak charging efficiency.

INDICATORS:

- **PUSH-TO-CHECK Battery Level Indicator:** Push to momentarily display the approximate battery charge level (25%, 50%, 75%, 100%). The battery DOES NOT need to be 100% charged to operate the Weather Station. Initially, the battery will likely read between 50%-75% charged. However, since the solar panel provides more power than the weather station consumes, the battery should charge to 100% and maintain that level after a week or so in adequate sunlight exposure.
- **SOLAR STATUS Indicator:** IF the battery is NOT fully charged, the solar status indicator will illuminate solid to indicate the solar panel is receiving adequate sunlight AND is charging the less than 100% full battery. IF the indicator is NOT illuminated, this indicates the battery is fully charged and does not need to be charged from the solar panel. This also prevents OVERCHARGING the battery. IF the indicator is BLINKING, this indicates that either the battery is NOT installed (or installed incorrectly) or is too OLD to accept proper charging and needs to be replaced.



MOUNTING ON 3/4" POLE

FACE SOLAR PANEL SOUTH

CLAMP PART A

CLAMP PART B

3/4" POLE

2 X STANDARD SCREWS

DRIP LOOP

1. Unscrew standard screws to separate the two halves of the pole clamp. Position the solar power pack at an easy to reach height to allow for cleaning of the solar panel surface as necessary.
2. Re-insert and tighten standard screws to secure the two halves of the pole clamp around the pole. Position the wire to form a drip loop to aide in keeping excess water away.

3. When routing the wire up to the AcuRite IRIS or AcuRite ATLAS weather sensor, **DO NOT WRAP** the wire around the pole as this can cause interference with the weather station wireless signal.

Wrap any excess wire in a loop and secure.

Adjust the solar panel angle for best position by loosening the screw on the Solar Angle Adjustment. Re-tighten screw to lock angle adjustments.

SOLAR ANGLE ADJ.

SURFACE MOUNT (Fence Post, Deck Post, Wall, etc.)

FACE SOLAR PANEL SOUTH

CLAMP PART A

CLAMP PART B

2 X WOOD SCREWS

DRIP LOOP

1. Unscrew standard screws to separate the two halves of the pole clamp. Position the solar power pack at an easy to reach height to allow for cleaning of the solar panel surface as necessary.
2. Insert and tighten the WOOD SCREWS to secure CLAMP PART A to a wood or similar surface. CLAMP PART B is not utilized in a surface mount installation (keep or discard). Position the wire to form a drip loop to aide in keeping excess water away.

3. When routing the wire up to the AcuRite IRIS or AcuRite ATLAS weather sensor, wrap any excess wire in a loop and secure.

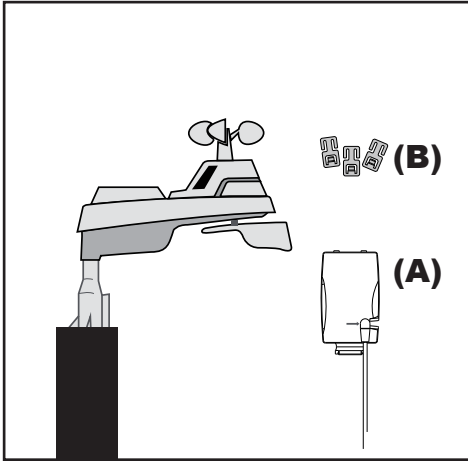
Adjust the solar panel angle for best position by loosening the screw on the Solar Angle Adjustment. Re-tighten screw to lock angle adjustments.

SOLAR ANGLE ADJUSTMENT

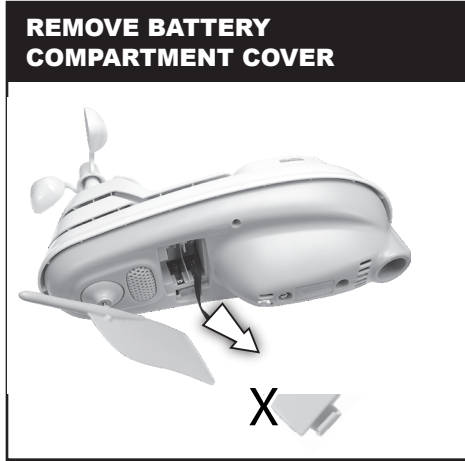


NOTE: Not intended for use with mounting bracket supplied with your outdoor sensor.

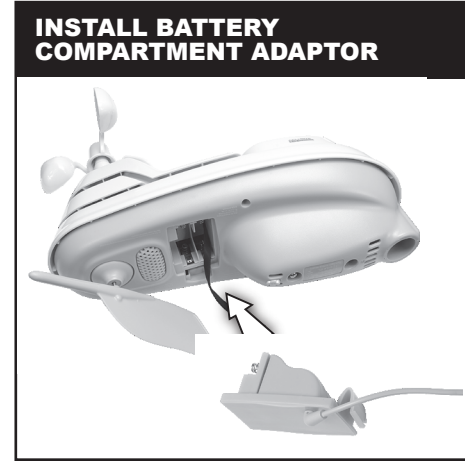
Connecting to AcuRite IRIS (5-IN-1)



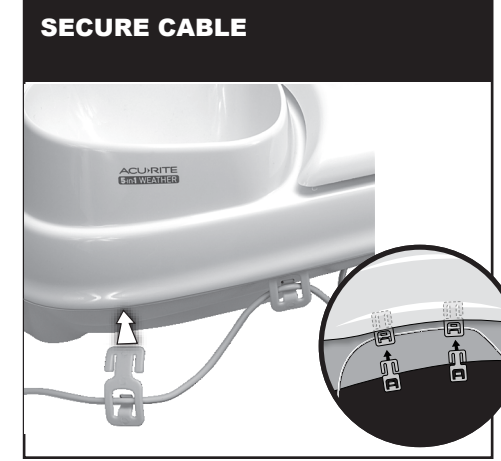
4. The included battery compartment adaptor (A) and wire routing clips (B) will be utilized for installation with the AcuRite Iris (5-in-1).



5. Remove the original battery compartment cover from the bottom of the AcuRite Iris Sensor (keep or discard). Remove batteries if currently installed.

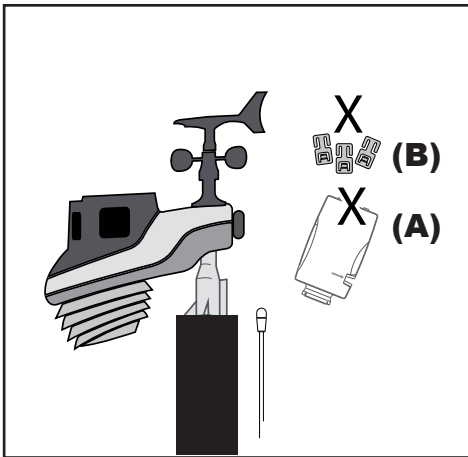


6. Install the wired battery compartment adaptor into the AcuRite Iris Sensor.



7. To further secure the wired battery compartment adaptor to the AcuRite Iris Sensor, insert the three (3) in-line clips into the 5-in-1 Sensor as shown. The cord must be taut along the base of the sensor to prevent it from interfering with the sensor's wind vane.

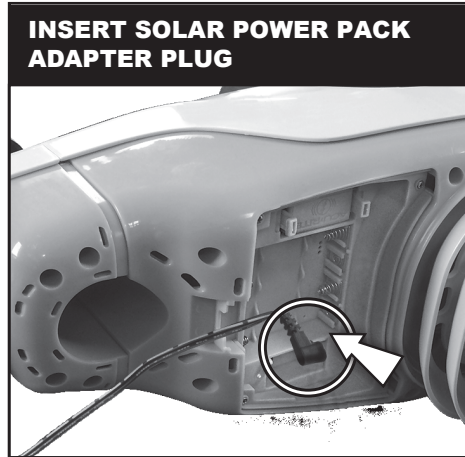
Connecting to AcuRite ATLAS



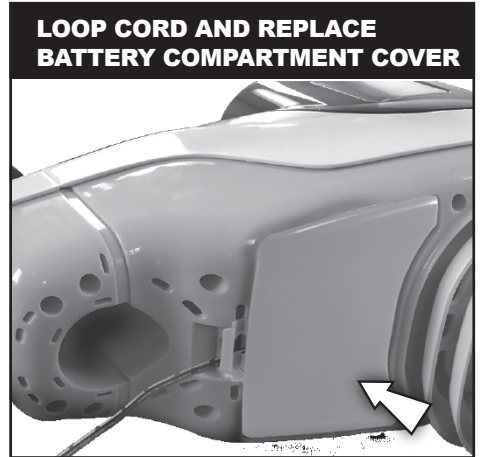
4. The included battery compartment adaptor (A) and wire routing clips (B) will **NOT** be utilized for installation with the AcuRite Atlas. If you have an AcuRite ATLAS sensor, you may unplug the battery compartment adaptor and discard it.



5. Remove battery compartment cover from the bottom of the AcuRite® Atlas™ outdoor sensor. Remove batteries if currently installed.



6. Plug the power adapter cord into the battery compartment of the sensor.



7. Loop the cord through the slot, then replace the battery compartment cover.

Troubleshooting

<p>Solar Battery Pack level indicates low battery</p>	<ul style="list-style-type: none"> • Ensure solar cell is facing south and that there is nothing directly obstructing the solar cell from receiving sunlight. • If ambient temperature is below freezing for an extremely long time, the lithium battery will charge more slowly and may drop to a LOW level for a period of time. If extreme cold conditions persist for many months, you may need to utilize the integrated USB-C charging port and a standard USB-C charging cable and adaptor (not included) to periodically charge up the battery to 100% while the extreme cold conditions continue. 	<p>Operating Outdoor Temperature Range: -40°F to 158°F (-40°C to 70°C)</p> <p>Solar Charging Temperature Range: 32°F to 158°F (0°C to 70°C)</p> <p>Cord Length: 30-ft (9.1m)</p> <p>Power: 1 x 18650 3.7v rechargeable lithium battery(included)</p>
<p>Solar Charge Status indicator is BLINKING</p>	<ul style="list-style-type: none"> • Make certain the included rechargeable battery is installed correctly according to "+" and "-" markings in housing. • After many charge cycles and temperature cycles, lithium batteries will lose their ability to accept and maintain an adequate charge. If the battery is installed correctly, but the solar charge status indicator is still blinking, it may be time to replace the # 18650 3.7v rechargeable lithium battery. 	
<p>Solar status indicator illuminates solid when checking battery status</p>	<ul style="list-style-type: none"> • This is normal. The solar status indicator will go from OFF (fully charged) to ON (charging) because some battery power is expended to illuminate the LED when checking battery status. 	
<p>Battery level indicator shows adequate battery, but weather station display is not receiving data (no signal bars or low battery shown on display)</p>	<ul style="list-style-type: none"> • If you have an AcuRite ATLAS weather station, make certain the solar power adapter plug is fully inserted into the power receptacle inside the battery compartment. Note that the screw holes and the power receptacle in the battery compartment are similarly sized so check carefully. • If you have an AcuRite IRIS (5-in-1) weather station, make certain the battery compartment adaptor is routed correctly and is fully inserted into the battery compartment. • Consult your full weather station manual for guidance and tips on installation and setup of weather station components to ensure best wireless signal transmission and reception. 	

HAVING PROBLEMS? We're Here to Help.

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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.

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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 do not 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.