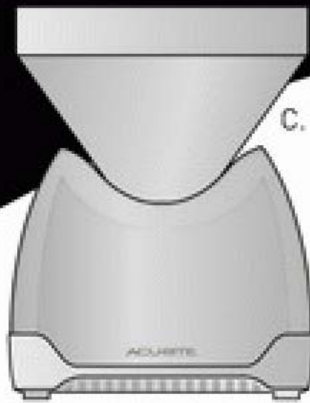


ACURITE
DESIGNED TO WORK FOR YOU

Wireless Rain Gauge
#00614/00626SB



C. Collector Funnel

B. Wireless Rain Collector



A. Main Unit

Instruction Manual

Package Contents:

- (1) Main Unit (A)
- (1) Wireless Collector (B)
- (1) Collector Funnel (C)
- (1) Instruction Manual
- (5) Screws

What You Need:

- Philips Screwdriver
- (5) AA batteries
- see "Install Batteries" on page 2

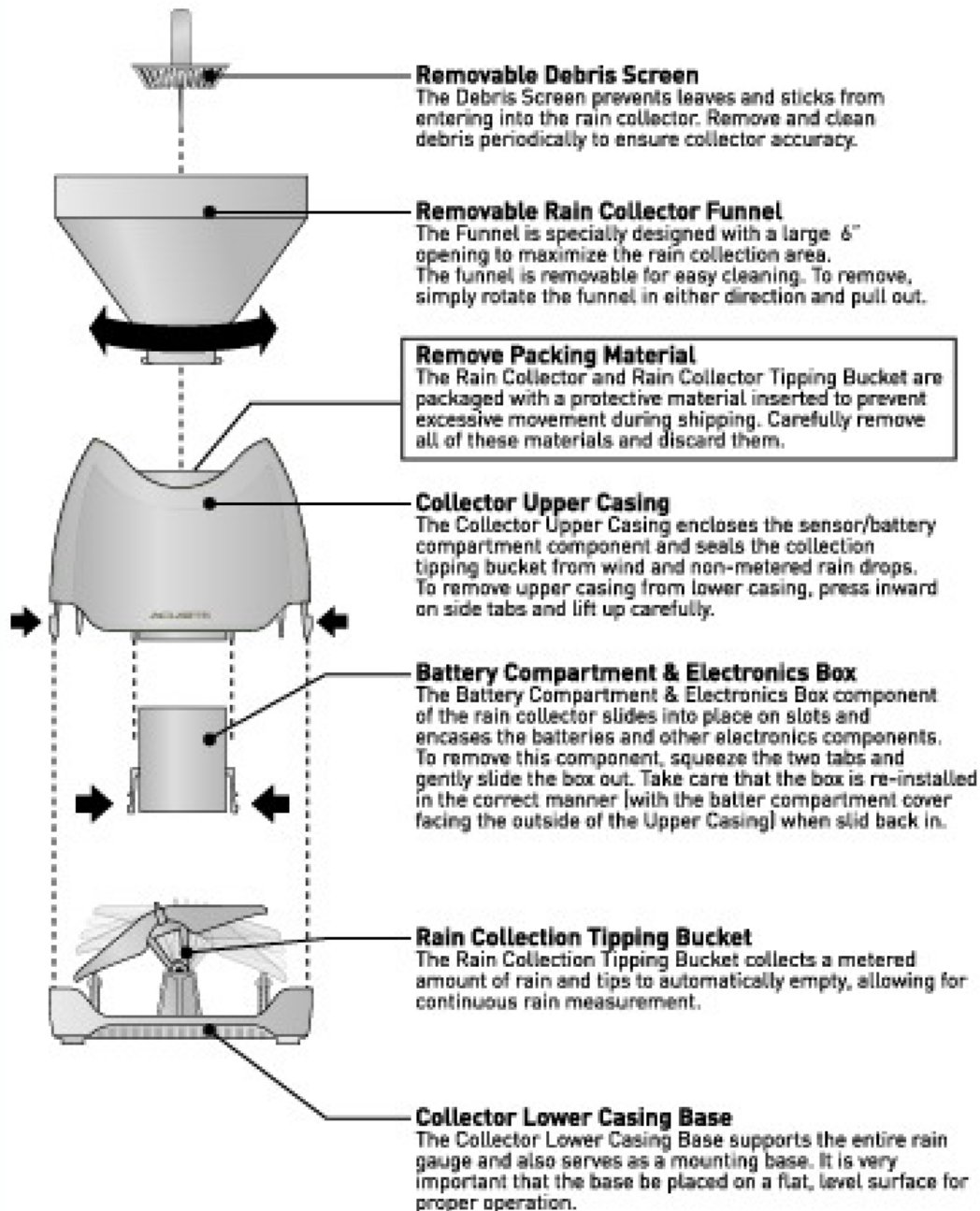
Thank You for purchasing this ACURITE® product. The collector component of this wireless rain gauge is self emptying with an extra large 6" collector for enhanced accuracy. The main unit features a 24 hour total rainfall display or accumulative rainfall total display, large number display in inches or millimeters and customizable rain monitor alert. Please read this manual in it's entirety to fully enjoy the benefits and features of this product. Please keep this manual for future reference.

NOTE: Remove packing materials from inside of the rain collector. Also not that a clear film is applied to the LCD at the factory that must be removed prior to using this product. Locate the clear tab and simply peel to remove.

1 • OVERVIEW OF FEATURES - MAIN UNIT



2 • OVERVIEW OF FEATURES - RAIN COLLECTOR



3 • SETUP

Install Batteries

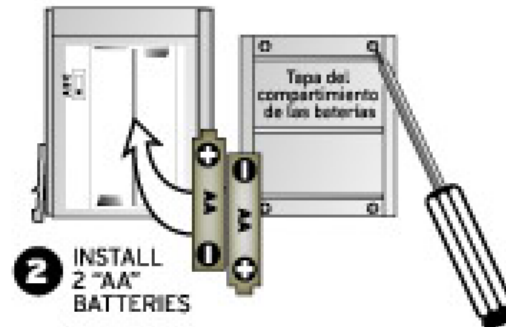
NOTE: Install all batteries in both units within a 6 minute period to ensure proper wireless functionality.

A. Rain Collector
Always install batteries into the rain collector FIRST to ensure proper wireless synchronization with the main unit.

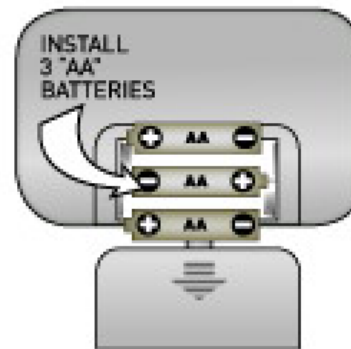
1) Separate the upper and lower casing of the rain collector.



2) Remove the battery compartment & electronics box. Remove the now loose battery compartment cover and install 2 fresh "AA" batteries as shown here.



B. Main Unit
Remove the battery compartment cover and install 3 fresh "AA" batteries as shown here.



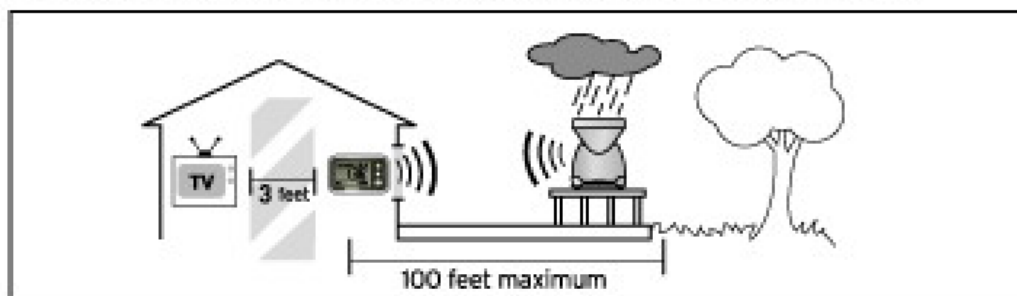
PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.

BATTERY SAFETY: 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. Please clean the battery contacts and also those of the device prior to battery installation.

4 • PLACEMENT

Now that setup is complete, you must choose a location to place the wireless rain collector and the main unit. The wireless rain collector **MUST** be placed less than 100 feet away from the main unit.

This wireless rain gauge uses radio frequency for communication, which is susceptible to interference from other electronic devices and large metallic items or thick walls. Always place both units at least 3 feet away from appliances (TV, microwave, radios, etc.) or objects (large metal surfaces, thick stone walls, etc.) that may interfere with the wireless communication.



Placement of Main Unit

Place the main unit in a dry area free of dirt and dust. You may place the main unit on a table top or other flat surface.

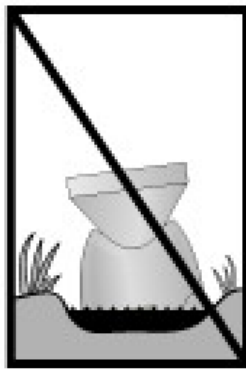


Placement of Rain Collector

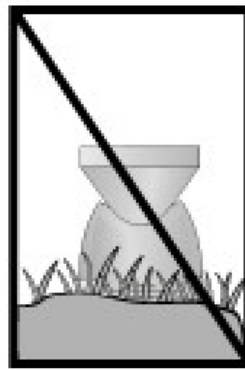
The wireless rain collector **MUST BE PLACED OUTDOORS** to observe and record rain measurements and relay the information to the main unit display. The wireless rain collector must be placed less than 100 feet from the main unit.

The wireless rain collector **MUST** be placed on a flat, level surface to allow for proper rain measurement. Make certain the rain collector is not placed in a low spot that may become flooded or in an area where there are obstructions above it such as trees or other structures that may block the rain from being collected properly.

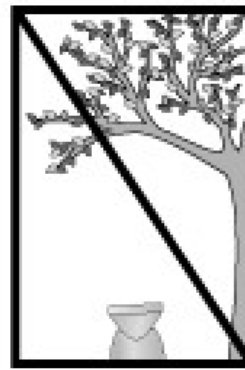
It is strongly recommended that the rain collector be mounted to a solid, flat surface such as a deck railing for best results.



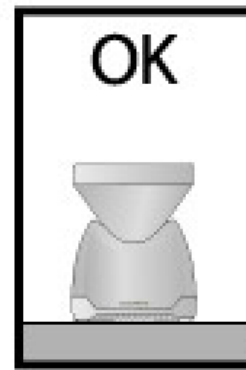
DO NOT PLACE IN WATER OR IN UNEVEN OR LOW SPOTS THAT MAY BECOME FLOODED.



DO NOT PLACE IN AREAS WHERE PLANT GROWTH CAN GROW INTO CASE AND OBSTRUCT RAINFLOW THROUGH COLLECTOR



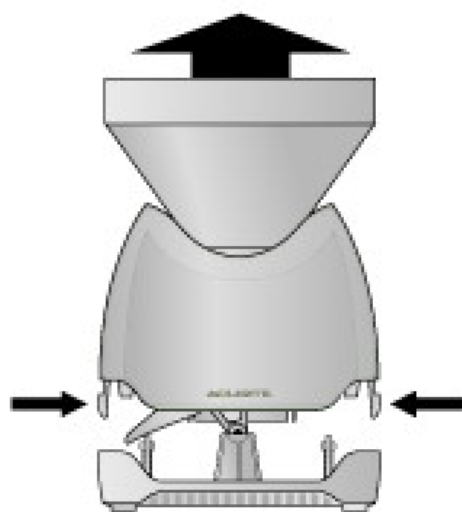
DO NOT PLACE IN AN AREA WITH OBSTRUCTIONS ABOVE



DO PLACE ON A LEVEL SURFACE WITH NO OBSTRUCTIONS ABOVE.

Surface Mounting of Rain Collector

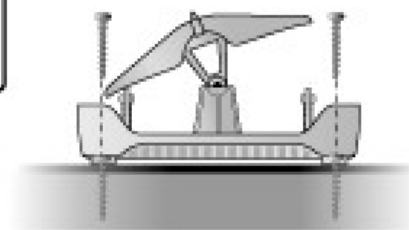
It is recommended that the rain collector be mounted to a solid, level surface with limited grass growth such as a deck railing or similar surface. To mount the rain collector, first separate the lower casing base from the upper casing. Next locate the four holes within the lower casing base. Then, using only hand tools (power tools may slip during use, possibly damaging sensitive rain collector components), secure the lower casing base to the chosen surface using the appropriate hardware.



1. SEPARATE LOWER CASING BASE



2. INSTALL 4 SCREWS USING HAND TOOLS ONLY



3. RE-ATTACH UPPER CASING

Care Instructions for Rain Collector

General Cleaning

Periodic cleaning of the rain collection funnel may be required to ensure efficient water flow into the collector base. To clean the funnel, remove by twisting 90° in any direction and pulling outward. Rinse out the funnel with warm water and wipe clean with a soft cloth. Do not use coarse abrasive pads or scrubbing materials.

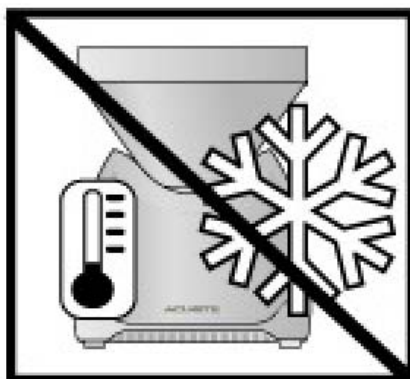
Debris and Foreign Matter

The Wireless Rain Collector was designed with materials suitable for outdoor use. However, certain environmental conditions may require periodic cleaning of the collector components. If the funnel becomes extremely dirty, rain water may not flow correctly into the rain collector. In most cases, removing and cleaning off the debris screen will be sufficient. Certain locations may have an abundance of plant matter or tree seeds, etc. that may obstruct water flow through the collection funnel. More extensive clearing out and cleaning of the funnel and other components may be required in these cases.

It is recommended that the funnel and be checked and cleaned periodically to ensure proper operation of the rain gauge system.

Winter Climates

The Wireless Rain Collector is designed to collect and record liquid rainfall only, it will not detect or record snowfall levels. It is recommended that the rain collector be brought indoors if you live in an area that has extreme cold weather, ice and snow during the winter months.



It is recommended that the rain collector be brought indoors during the winter months when ice and snow may be present.

5 • OPERATION

Wireless Reception

The main unit has a wireless signal reception icon in the lower left display area. If there are a low number of "bars" present, you may experience no communication ("--") or inaccuracy. In either case, you may need to relocate one or both of the units. If most or all 4 of the bars are present, wireless reception is good and no action is required.



collector signal reception



A Rain Monitor


The rain monitor feature will sound an audible alert every time the set amount of rainfall is recorded. For example, for every .50 inches (10 mm if in mm mode) of rain that is recorded- the alert will sound briefly. To turn this function on, press the "rain monitor" button [A]. The rain monitor and default set quantity of .50 in. will appear. You may then press the button again to raise the rain monitor value in .50 increments up to 5.00 inches. Press the "rain monitor" button once more after you reach 5.00 inches and the rain monitor feature will turn off. When the alert is sounding, you may press any button to silence the alert.



B Display Mode

This feature allows you to view recorded rain quantity for either the last 24 hours, or the accumulative total amount of rain (up to 99.99 inches) recorded since both units were powered on. You may switch between both modes at any time by pressing the "mode" button. You may reset the entire rain count by pressing and holding the "mode" button.

Troubleshooting

Problem	Possible Solution
<p data-bbox="357 427 647 506">Bad Rain Collector Reception</p>  <p data-bbox="459 577 544 602">no bars</p>	<p data-bbox="727 360 1278 680">Relocate the main unit and/or the wireless rain collector closer together. Both units must be within 100 feet from each other. Make sure both units are placed at least 3 feet from other electronic appliances and devices that may interfere with the wireless communication (such as TV's, microwaves, computers etc.). NOTE: It may take up to 20 minutes for the main unit to re-synchronize with the sensor when batteries are replaced.</p>
<p data-bbox="373 869 616 987">Suspected Rain Measurement Inaccuracy</p>	<p data-bbox="727 745 1254 835">If you suspect the rainfall measurement is not accurate, make certain the rain collector batteries are fresh.</p> <p data-bbox="727 875 1254 994">Check that the collector is mounted to a level surface and that no foreign debris or plant matter is preventing the flow of rainfall into the collector. See "Care Instructions."</p> <p data-bbox="727 1034 1270 1124">Make certain that the internal tipping bucket is allowed to move freely and is not obstructed by any foreign objects or debris.</p>
<p data-bbox="325 1205 679 1323">No Rain Data Recorded On Main Unit (no communication)</p>	<p data-bbox="727 1182 1254 1339">If wireless reception is bad (no bars), see "Bad Reception" section above. The wireless ID setting on each unit must match for both units to communicate properly. See "Set Wireless ID" on the next page.</p>
<p data-bbox="344 1417 660 1496">Main Unit Display Not Working</p>	<p data-bbox="727 1424 1254 1491">Make certain that the batteries are installed correctly. The batteries may need replacing.</p>

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Product Registration

To receive product information, register your product online. It's quick and easy!

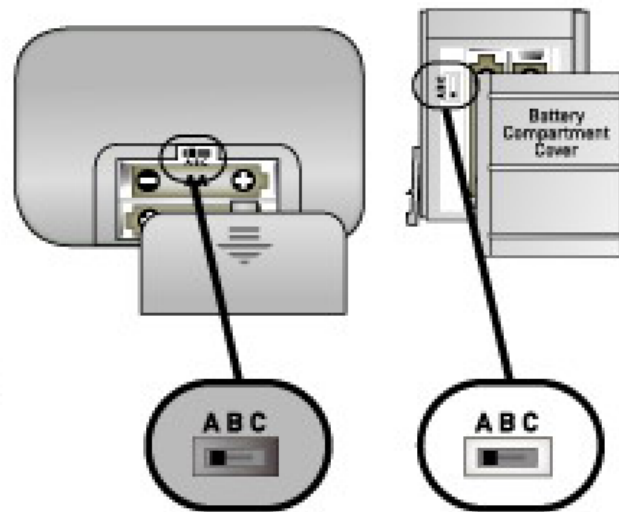
Log on to http://www.chaneyinstrument.com/product_reg.htm

Set Wireless ID

This wireless rain gauge uses long range 433mhz radio frequency for communication.

In the event that you have reception problems due to interference, both the main unit and the wireless rain collector have a selectable wireless ID. The ID switches are located within the battery compartments of the main unit and the wireless rain collector.

You may choose A, B or C; but both the main units' and the wireless rain collectors' IDs must match for successful synchronization.



both wireless ID's
must match

6 • PRODUCT SPECIFICATIONS

Measurement Ranges

Rainfall

Accumulative Rainfall Range: 0 to 99.99 inches (0 to 2540 mm)

Specifications

Rain Gauge General Specifications

Rainfall Resolution: 0.02 inches

Rainfall Units: Inches (in) and millimeters (mm)

Wireless Rain Collector: automatic self emptying, continuous rainfall measuring

Power Requirements

Main Unit: 3 x "AA" alkaline or lithium batteries

Wireless Rain Collector: 2 x "AA" alkaline or lithium batteries

Wireless Communication

Radio Frequency: 433 mhz

Transmission Intervals: every 16 seconds



Please DO NOT return product to the retail store.

For technical assistance and product return information, please call
Customer Care: **877-221-1252** Mon. - Fri. 8:00 A.M. to 4:45 P.M. (CST)

www.chaneyinstrument.com

LIMITED ONE YEAR WARRANTY

Chaney Instrument Company warrants that all products it manufactures to be of good material and workmanship and to be free of defects if properly installed and operated for a period of one year from date of purchase. REMEDY FOR BREACH OF THIS WARRANTY IS EXPRESSLY LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE ITEMS. 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. In all cases, 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 shall have received normal wear and tear, been damaged, tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

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For in-warranty repair, please contact:

Customer Care Department
Chaney Instrument Company
965 Wells Street
Lake Geneva, WI 53147

Chaney Customer Care 877-221-1252
Mon-Fri 8:00 a.m. to 4:45 p.m. CST

www.chaneyinstrument.com



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.

Patent numbers: 5,978,738; 6,076,044; 6,597,990

Canada Statement

This device complies with RSS-210 of the IC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause interference and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device.