

Ambient Weather Stainless Steel WeatherMount Installation Manual



The stainless steel weather mount is the most flexible and rugged weather station mount we offer. Ideal for salt spray (coastal) environments, the WEATHERMOUNT-STAINLESS works with all weather stations (except Rainwise, see Monomount).

The WeatherMount Stainless Weather Station Mount is a flexible mounting alternative to a mounting pole or tripod. The mounting plate provides a fast and easy installation, and can be mounted on a pitched surface, flat roof or vertical surface, such as a gable.

The WeatherMount is constructed of stainless steel. This mounting system is strong, durable and stable. The slender design is simple, unobtrusive and aesthetically pleasing. The base can be adjusted to mount on any pitched roof. The Stainless Weather Station Mount is guaranteed not to rust in any environment.

The small base footprint (7" x 5") allows four 1-5/8" lag screws (included w/ Tar Pads) to be easily mounted at the apex of your gable. The mount angles 11.5" in the horizontal direction to allow clearance of eave or roof overhangs.

The total height of the WeatherMount and mast is approximately 50". The pole diameter is 1.75".

Add additional 35" masts (32" total additional height due to swedge insertion) to increase the height.

The weather station pictured is not included.

Figure 1

Components

The WeatherMount assembly includes the following components:

Quantity	Component	Description
1	WeatherMount, Stainless Steel, assembled	
4	Lag Screws	Attaches to any surface with four lag screws.

Quantity	Component	Description
2	Tar Pads	Install between the installation surface and WeatherMount base to prevent leaking. For rooftop installations, we highly recommend proper waterproofing with a professional roofer.

Tools and Materials Needed

- Level or Plumb
- Drill
- Adjustable wrench

Important Installation Instructions

⚠ CAUTION: Improper installation of the WeatherMount to your roof top may result in leaks. We recommend a licensed roofing specialist for evasive installations.

⚠ CAUTION: Any metal object may attract a lightning strike, including your weather station mounting pole. Never install the weather station in a storm.

⚠ CAUTION: Installing your weather station in a high location may result in injury or death. Perform as much of the initial check out and operation on the ground and inside a building or home. Only install the weather station on a clear, dry day.

⚠ CAUTION: We recommend properly grounding the WeatherMount to avoid extensive damage to the weather station and structure. Consult a licensed electrician or local lightning detection expert prior to installing a ground wire.

WeatherMount Installation

Reference Figure 2. There are three typical mounting configurations (1) pitched roof mount (2) flat roof mount (3) gable end mount (horizontal).

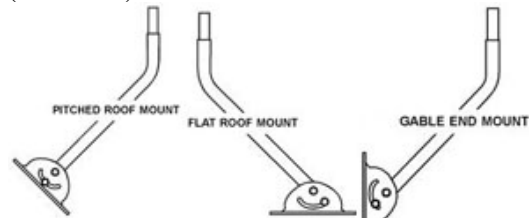


Figure 2

Step 1. Fasten the WeatherMount base to the building, home or structure (**Error! Reference source not found.**). Use the enclosed lag screws to drill into the structure. If drilling into a non masonry structure, use the included tar pad kits (tar pad kits are not intended to be used when mounting using the optional accessory Ubolts).

Step 2. Rotate the base of the pole until it is vertically level. Use a level to make certain the top of the mounting pole is level and tighten the adjustable bracket.

Step 3. Mount the weather station to the mounting pole. If it is a wireless weather station, it is recommended the solar transmitter(s) is facing true south.

Ambient Weather WM-STAINLESS-EXT 35" Mast Extension for WEATHERMOUNT-STAINLESS (Optional)



For use with the WEATHERMOUNT-STAINLESS Stainless Steel Weather Mount only.

Stainless 1-3/4 inch O.D., 35 inch long steel mast with one end crimped for insertion into another post of the same O.D.

When used with the WEATHERMOUNT-STAINLESS Stainless Steel Weather Mount assembly, this extension will raise the weather station to a height of 82 inches.

Figure 3

Mast Extension Installation



Reference Figure 3. Insert the swaged end of the mast extension into the mounting tripod mast and tighten so the extension does not rotate.

Repeat this step for additional mast extensions (maximum two is recommended).

Liability Disclaimer

Please help in the preservation of the environment and return used batteries to an authorized depot. The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.

Reading the "User manual" is highly recommended. The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place. This product is designed for use in the home only as indication of weather conditions. This product is not to be used for medical purposes or for public safety information. The specifications of this product may change without prior notice.

This product is not a toy. Keep out of the reach of children. No part of this manual may be reproduced without written authorization of the manufacturer.

Ambient, LLC WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT.



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Warranty Information

Ambient, LLC provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and only to the original purchaser of this product. To receive warranty service, the purchaser must contact Ambient, LLC for problem determination and service procedures.

Warranty service can only be performed by a Ambient, LLC. The original dated bill of sale must be presented upon request as proof of purchase to Ambient, LLC.

Your Ambient, LLC warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (lack of reasonable and necessary maintenance); (3) damage resulting from failure to follow instructions contained in your owner's manual; (4) damage resulting from the performance of repairs or alterations by someone other than an authorized Ambient, LLC authorized service center; (5) units used for other than personal use (6) applications and uses that this product was not intended (7) the products inability to receive a signal due to any source of interference or metal obstructions and (8) extreme acts of nature, such as lightning strikes or floods.

This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

California Prop 65

WARNING: Use of the Ambient Weather Products can expose you to chemicals, including lead and lead compounds, which are known to the State of California to cause cancer and bisphenol A (BPA), and compounds, which are known to the State of California to cause cancer and bisphenol A (BPA), and phthalates DINP and/or DEHP, which are known to the State of California to cause birth defects or other reproductive harm.

Can I Trust that Ambient Weather Products are Safe Despite this Warning? In 1986, California voters approved the Safe Drinking Water and Toxic Enforcement Act known as Proposition 65 or Prop 65. The purpose of Proposition 65 is to ensure that people are informed about exposure to chemicals known by the State of California to cause cancer, birth defects and/or other reproductive harm. A company with ten or more employees that operates within the State of California (or sells products in California) must comply with the requirements of Proposition 65. To comply, businesses are: (1) prohibited from knowingly discharging listed chemicals into sources of drinking water; and (2) required to provide a "clear and reasonable" warning before knowingly and intentionally exposing anyone to a listed chemical. Proposition 65 mandates that the Governor of California maintain and publish a list of chemicals that are known to cause cancer, birth defects and/or other reproductive harm. The Prop 65 list, which must be updated annually, includes over 1,000 chemicals, including many that are commonly used in the electronics industry.

Although our manufacturing process is "lead-free" and RoHS compliant, it remains possible that trace amounts of lead could be found in components or subassemblies of Ambient Weather Products. Bisphenol A (BPSA) could conceivably be present in minute amounts in our plastic housings, lenses,

labels or adhesives, and DEHP & DINP (phthalates) could possibly be found in PVC wire coatings of our cables, housings, and power cords. Unlike RoHS, Prop 65 does not establish a specific threshold for reporting on the substances of concern and instead sets forth a much less definitive standard requiring that the business demonstrate with certainty that there is "no significant risk" resulting from exposure. With respect to carcinogens, the "no significant risk" level is defined as the level which is calculated to result in not more than one excess case of cancer in 100,000 individuals exposed over a 70-year lifetime. In other words, if you are exposed to the chemical in question at this level every day for 70 years, theoretically, it will increase your chances of getting cancer by no more than 1 case in 100,000 individuals so exposed. With respect to reproductive toxicants, the "no significant risk" level is defined as the level of exposure which, even if multiplied by 1,000, will not produce birth defects or other reproductive harm. In other words, the level of exposure is below the "no observable effect level," divided by 1,000. (The "no observable effect level" is the highest dose level which has not been associated with observable reproductive harm in humans or test animals.) Proposition 65 does not clarify whether exposure is to be measured only in normal operation, or in the event of misuse such as intentionally damaging, incinerating, or consuming an Ambient Weather Product or component and Ambient Weather has not attempted to evaluate the level of exposure.

A Proposition 65 warning means one of two things: (1) the business has evaluated the exposure and has concluded that it exceeds the "no significant risk level"; or (2) the business has chosen to provide a warning simply based on its knowledge about the presence of a listed chemical without attempting to evaluate the exposure. The California government has itself clarified that "The fact that a product bears a Proposition 65 warning does not mean by itself that the product is unsafe." The government has also explained, "You could think of Proposition 65 more as a 'right to know' law than a pure product safety law."

While using Ambient Weather Products as intended, we believe any potential exposure would be negligible or well within the "no significant risk" range. However, to ensure compliance with California law and our customers' right to know, we have elected to place the Proposition 65 warning signs on Ambient Weather Products.

For further information about California's Proposition 65, please visit
<https://oehha.ca.gov/prop65/background/p65plain.html>