

## 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.

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

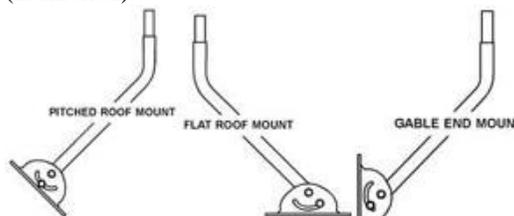


Figure 2

**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.

**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.

### WeatherMount Installation

### **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.

### **Mast Extension Installation**



**Figure 3**

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).