



USING THE AAT30/AAT15/MW15 SMALL CELL MOUNT


For AAT30, AAT15, and MW15 Models


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Safety


The AAT should be handled using the following considerations:


 There are no user-serviceable parts within the AAT. All internal repairs must be performed by Sunsight Instruments.

 Use only the Sunsight supplied smart charger to recharge the LiFePO4 battery pack. Use of a non-approved battery charger will void the battery warranty and can damage the battery pack.

 Never attempt to recharge the batteries outdoors in inclement conditions.

 Never short the battery terminals, attempt to disassemble the battery pack, or dispose of the pack in a fire. Any exhausted battery packs must be disposed of properly. CONTACT SUNSIGHT INSTRUMENTS IF YOU ARE UNSURE OF HOW TO PROPERLY DISPOSE OF THE BATTERY.

 The AAT is water resistant, but not waterproof. Do not submerge or leave the unit in standing water. All sealing caps and doors must be secured while in use, particularly during inclement weather.

 Avoid impacting, dropping or rough handling of the AAT. The AAT contains sensitive electronic components. Rough handling may result in internal component damage.

 Care should be taken to avoid impact to the black GPS antennas on the top of the AAT.

If you suspect the AAT is operating incorrectly, contact Sunsight Instruments or an authorized Sunsight Instruments distributor for support.

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This document will cover the correct usage of the Small Cell Mount for the AAT30/AAT15/MW15 alignment products.

Before attempting to use the Small Cell Mount or use any accessories, please review all training materials and familiarize yourself with the AAT30/AAT15/MW15 products and their functions.

The *AAT30, AAT15 Quick Start Guide* and *AAT30, AAT15 User's Manual* are available for download [here](#).

The [Quick Start Guide for using the MW15 for RF panel alignment](#) is available for download [here](#)

This document assumes that the user has read and understands all AAT training and safety materials.

This document assumes that the AAT30/AAT15/MW15 and Small Cell Mount have been prepared and maintained.

For the remainder of this documents, the term “AAT” will mean any of the AAT30/AAT15/MW15 alignment systems.

Overview

The small cell mount is for use on canister style small cell antennas. It is suitable for measuring correct azimuth and tilt (aka elevation).

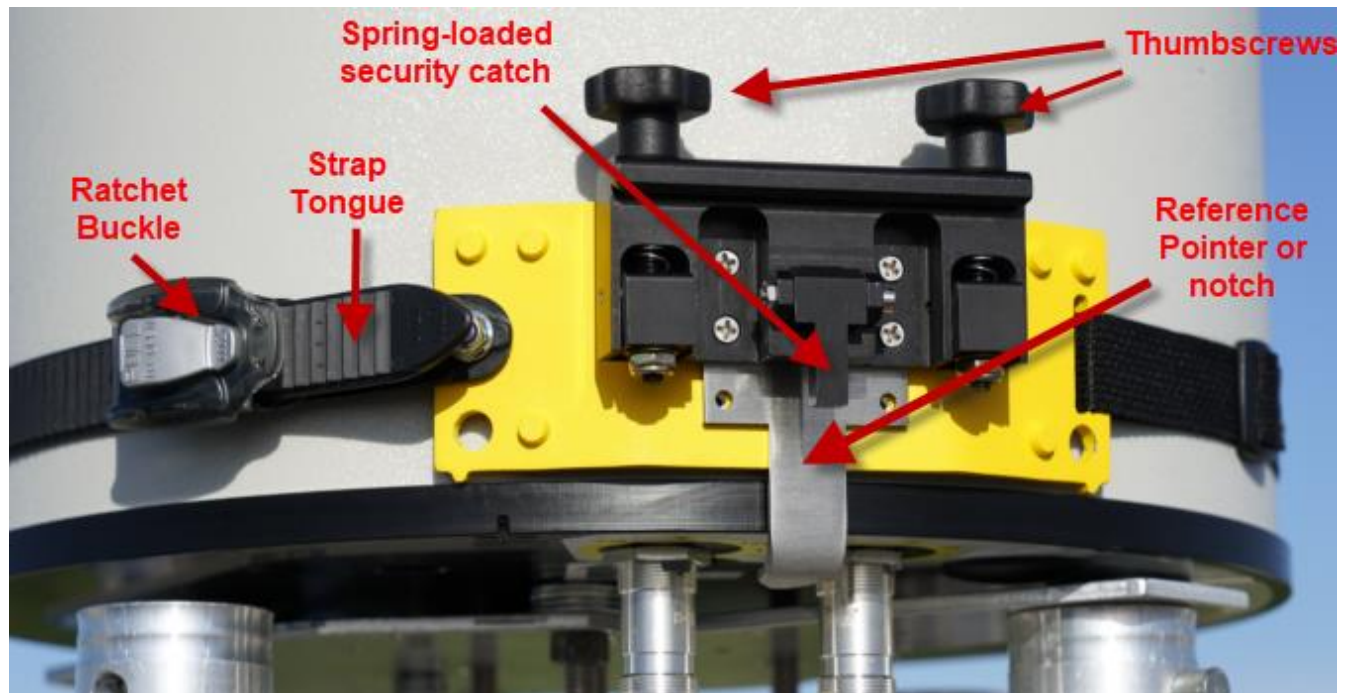
The mount is compatible with typical canister style antennas that have no angle in the housing (straight sides). It also has a built-in feature for fitting the Kathrein small cell antennas that have the angled sides (Kathrein p/n 840 10515 or 840 10516). No special procedures are required to use the Small Cell Mount on the Kathrein antenna.



AAT30/AAT15 Small Cell Mount



Small Cell Mount on Antenna (with and without AAT)



Small Cell Mount Part Identification

1. Secure the Small Cell Mount to the Antenna

- 1) Determine the reference spot on the antenna that indicates its direction of radiation. This can be on the bottom edge of the antenna or is sometimes found underneath the antenna on a sticker or molded in mark. The Small Cell Mount must be mounted to reference this mark. The machined notch or silver arrow (older mount models) at the bottom of the small cell mount plate indicate the position that must line up to the reference spot on the antenna.
- 2) Pass the adjustable mount strap around the antenna and insert the tongue of the strap into the ratchet buckle.
- 3) Pull excess nylon strap through plastic strap end, thus shortening the mount strap length.
- 4) Note location of alignment reference mark in antenna housing.

- 5) Use the ratchet buckle to tighten the mount to the antenna. Make sure the mount alignment notch or silver arrow is aligned with the small cell antenna reference mark.

2. Secure the AAT to the Small Cell Mount

- 1) Secure AAT to mount by positioning upper lip of mounting rail on back of AAT into mount grip, then rotate AAT down into the security latch. User should feel AAT “click” into position. Tighten both mount thumbscrews to fully secure the AAT in the mount.
- 2) Secure AAT and mount to structure with the included safety lanyard. Attach lanyard to AAT handle. If the lanyard can be used to only secure the AAT, use an additional lanyard to secure the mount.

3. Power On and Connect to the AAT

- 1) Power on AAT and the device being used to communicate to the AAT
- 2) If using the SunSight Android App on an Android device, click on app and follow the instructions to connect to the AAT. After connecting, proceed to Step 4 below.

If using an Apple device or Android device not equipped with the SunSight Android app, connect to the Wi-Fi hotspot **AAT 901xxx**. See User’s Manual for device-specific instructions. Once connected, the green Link LED on the AAT keypad will illuminate.

- 3) Access the AAT by opening a web browser and navigating to **192.168.0.50**. The AAT measuring page will be displayed.
- 4) After connecting, make sure to set the orientation of the AAT to **FRONT** on the measurement page. This sets the proper orientation offset for the AAT mounting location.

4. Measuring, Capturing and Reporting Alignment Data

Use the AAT in the standard way to view measurements, capture data and generate reports. Refer to the proper instructions for more details.

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5. Removing the AAT and Small Cell Mount

- 1) Remove safety lanyard(s) from AAT and mount
- 2) Loosen the thumbscrews completely on the mount
- 3) On the mount, under the AAT, disengage the spring-loaded safety catch and remove AAT from Small Cell Mount. Secure the AAT in a safe place
- 4) Remove the ratchet strap by releasing the ratchet buckle. Secure and store the mount.