



USING THE SMALL CELL MOUNT


For AAT and AAT Mini Models


Sunsight Instruments
4380 St Johns Pkwy
STE 120
Sanford FL 32771 USA
+1 321.244.9443 x2
www.sunsight.com
support@sunsight.com

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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.

www.sunsight.com support@sunsight.com +1 321-244-9443

This document will cover the correct usage of the Small Cell Mount for the AAT and AAT Mini alignment products.

Before attempting to use the Small Cell Mount or any accessories, please review all training materials and familiarize yourself with the [AAT/AAT Mini/AAT Max Quick Start Guide](#).

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

For the remainder of this documents, the term "AAT" will mean both the AAT and AAT Mini alignment systems.

This document assumes that the AAT and Small Cell Mount have been prepared and maintained.

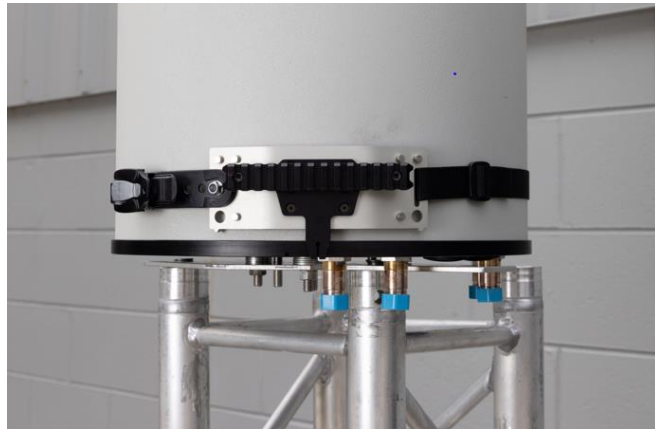
Overview

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

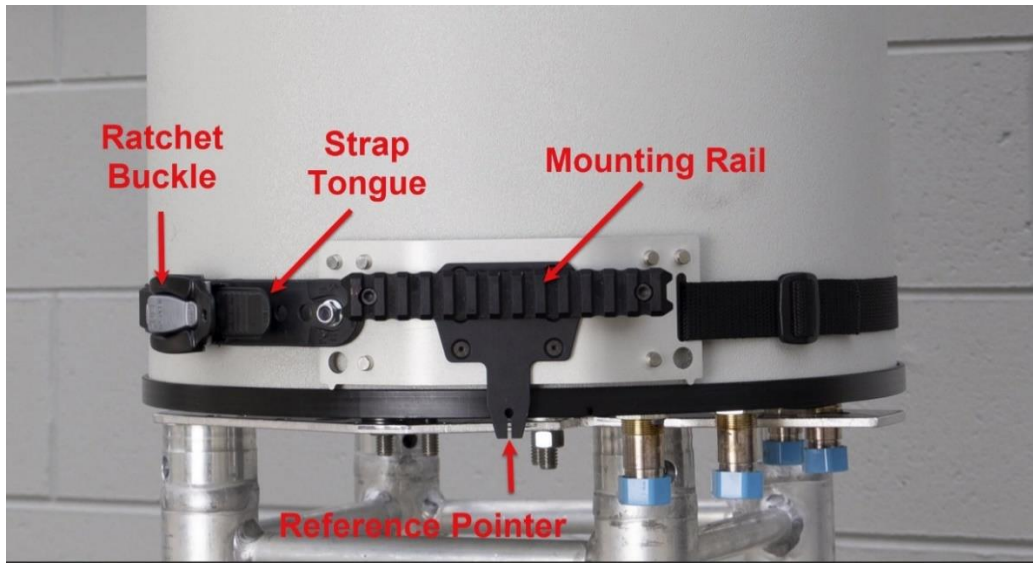
The mount is compatible with typical canister style antennas that have no angle in the housing (straight sides). It also has a built-in feature for fitting the Kathrein small cell antennas that have the angled sides (Kathrein p/n 840 10515 or 840 10516). No special procedures are required to use the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



AAT 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 at the bottom of the small cell mount plate indicates 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) Attach the AAT to the AIR Mount mounting rail using the grip plate on the back of the AAT. User should feel AAT “click” into position. Tighten AAT thumbscrews to secure AAT.
- 2) Secure AAT and Air Mount to stable structure using safety lanyard to prevent potential falling hazard.

3. Measuring, Capturing and Reporting Alignment Data

- 1) Connect to the AAT in the standard way by powering on the AAT and connecting using WiFi or USB-C cable (see Quick Start Guide for detailed instructions). The WiFi connection can be made using the Android App (preferred) or by using WiFi and a browser.
- 2) On the AAT Measure Only page, set Orientation to **“Faces Front”** and click Apply.
- 3) Perform antenna adjustments to match desired alignment and save results.