



## USING THE SIDE MOUNT EXTENSION FOR THE AAT30/AAT15/MW15


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 Side Mount Extension for the AAT30/AAT15/MW15 alignment products.

Before attempting to use the Side Mount Extension 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, Side Mount and Side Mount Extension 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 Side Mount Extension is for use on antennas as a means to extend the AAT further out to achieve better GPS/GNSS reception under poor mounting conditions. The extension can be useful in the field for scenarios where tower components are directly above the antenna and mounted AAT. This can occur on extremely crowded cell sites.

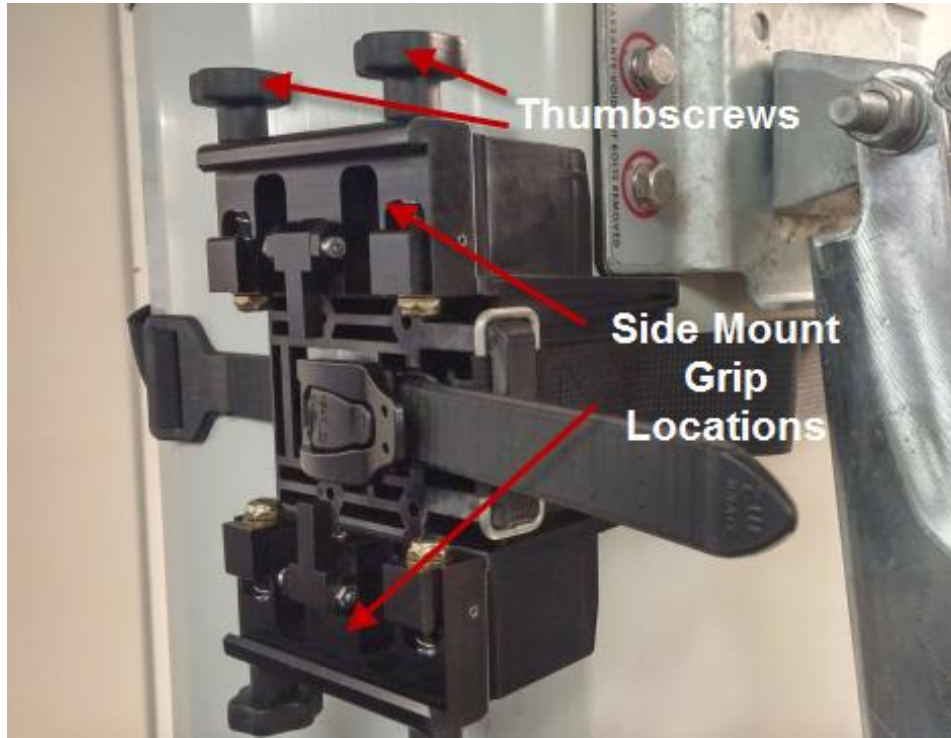
The Side Mount Extension is used in conjunction with the standard AAT Side Mount.



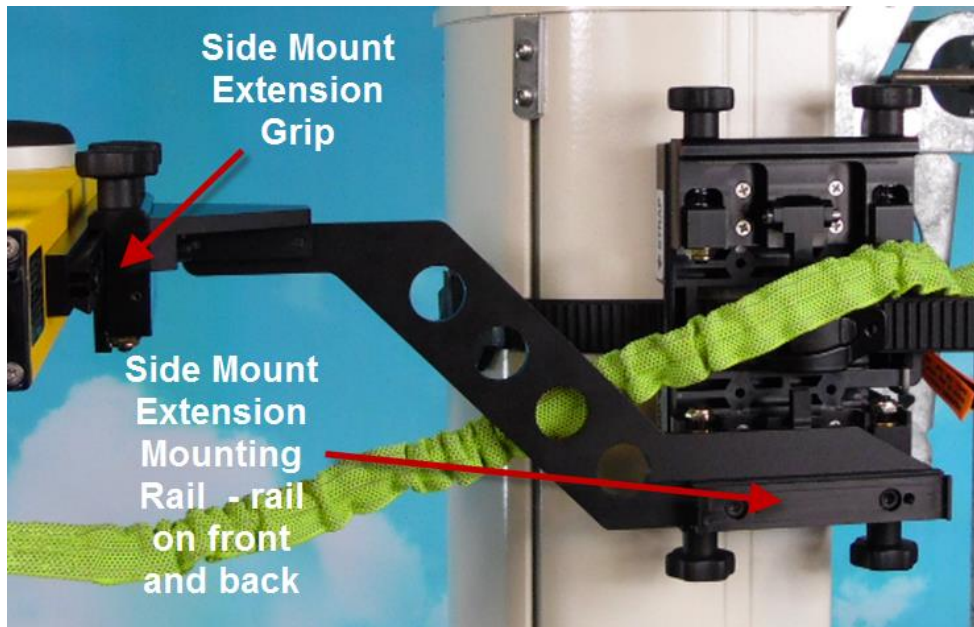
***Side Mount Extension for AAT30/AAT15/MW15***



***Side Mount Extension with AAT30 and Side Mount***



**Side Mount Part Identification**



**Side Extension Part Identification**

## **1. Secure the Side Mount and Side Mount Extension to the Antenna**

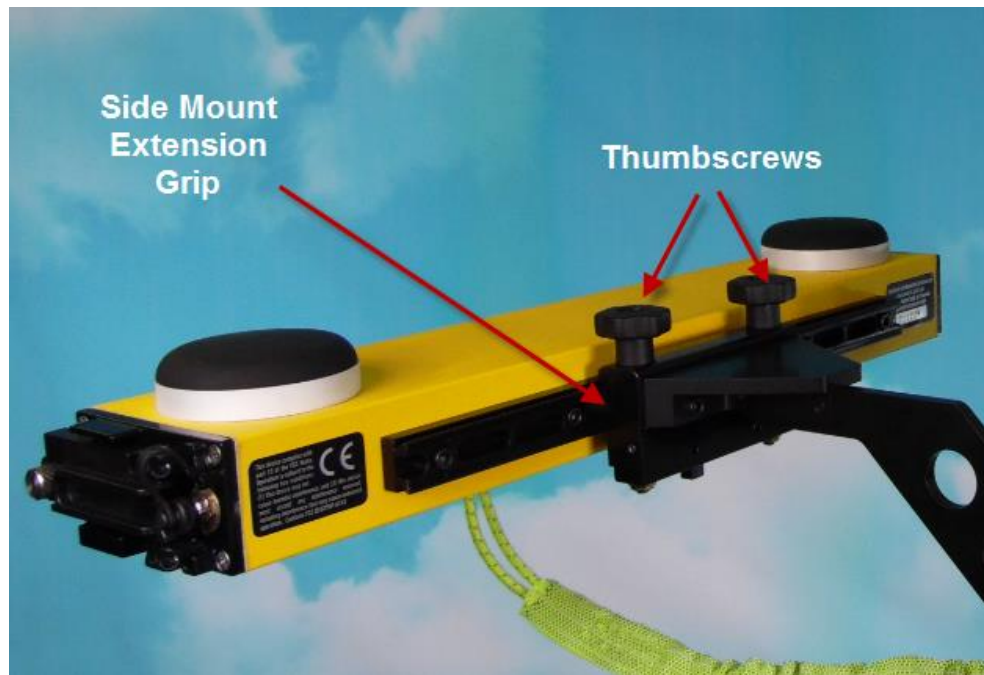
- 1) Secure the AAT Side Mount for RF antennas using the standard mounting method. These instructions are found in the Quick Start Guides or User Manuals available [here](#). These instructions are the same for the AAT30/AAT15/MW15.
- 2) Install the Side Mount Extension into the side mount by positioning upper lip of mounting rail on the back of Extension into the upper mount grip, then rotate down into to the security latch. User should feel the AAT “click” into position.

Alternatively, the Extension can be installed in the lower Side Mount grip by positioning lower lip of mounting rail on back of Extension into the lower mount grip, then rotate up into to the security latch. User should feel the AAT “click” into position.

- 3) Tighten mount thumbscrews completely. This secures and aligns the Extension to the Side Mount.

## **2. Secure the AAT to the Side Mount Extension**

- 1) Insert the AAT into the Extension Grip by positioning upper lip of mounting rail on the back of the AAT into the extension mount grip, then rotate down into to the security latch. User should feel the AAT “click” into position.



- 2) Tighten mount thumbscrews completely. This secures and aligns the AAT to the Side Mount.
- 3) **Use lanyards to secure the AAT, Side Mount Extension and Side 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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The [Quick Start Guide for using the MW15 for RF panel alignment](#) is available for download [here](#)

#### **5. Removing the AAT and Side Mount Extension**

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