

MOUNTING TOP BRACKETS →

- **Always use an approved safety strap to tether the AAT and its mounts**
- 1. Slide top mounts onto the AAT mount attachment rail with mount tabs facing inward.
- 2. With mounts attached, place the AAT on top of antenna.
- 3. Slide mounts together until they fit the antenna.
- 4. Tighten grip levers until mounts are secure.
- 5. Feed mounting strap through mount slots and around antenna. Strap should wrap around outside of tabs.
- 6. Feed the free end of strap through buckle, tighten and secure with Velcro.
- 7. Ensure the AAT is level and tight against the back of the antenna.

MOUNTING SIDE BRACKET →

- **Always use an approved safety strap to tether the AAT and its mounts**
- 1. Identify the colored region in which width of antenna falls. Use the corresponding set of bumper holes and slot. Thread strap through slot and into cam buckle. Place bumpers on mount so they will contact flat surfaces of antenna. Do not interface mount with uneven surfaces.
- 3. Insert strap into attachment points at first notch. Remove slack by pulling strap through cam buckle. Tighten strap to next notch by pulling out and around.
- 4. Ensure mount is tight against back and sides of antenna.
- 5. Loosen grip lever and insert AAT into the side mount grip. Tighten grip lever.
- 6. Double-check that all bumpers are firmly touching antenna.

AAT Technician QUICK REFERENCE CARD

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Sunsight Website

<http://www.sunsight.com>

TECHNICAL SUPPORT

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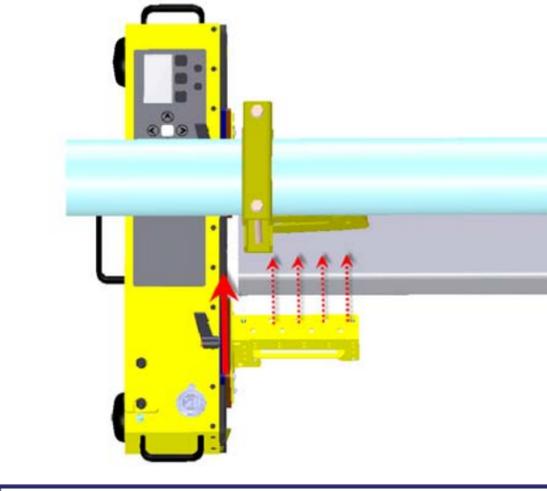
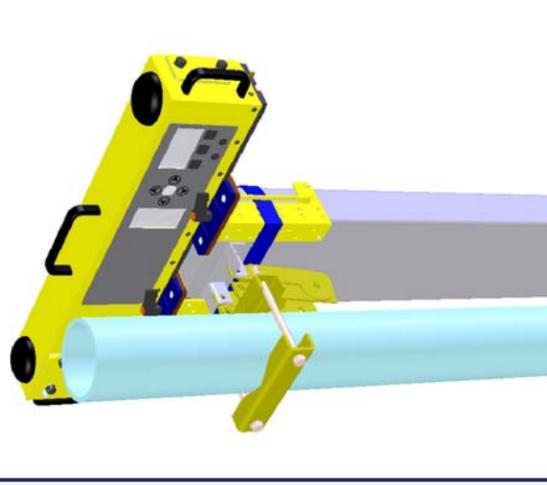
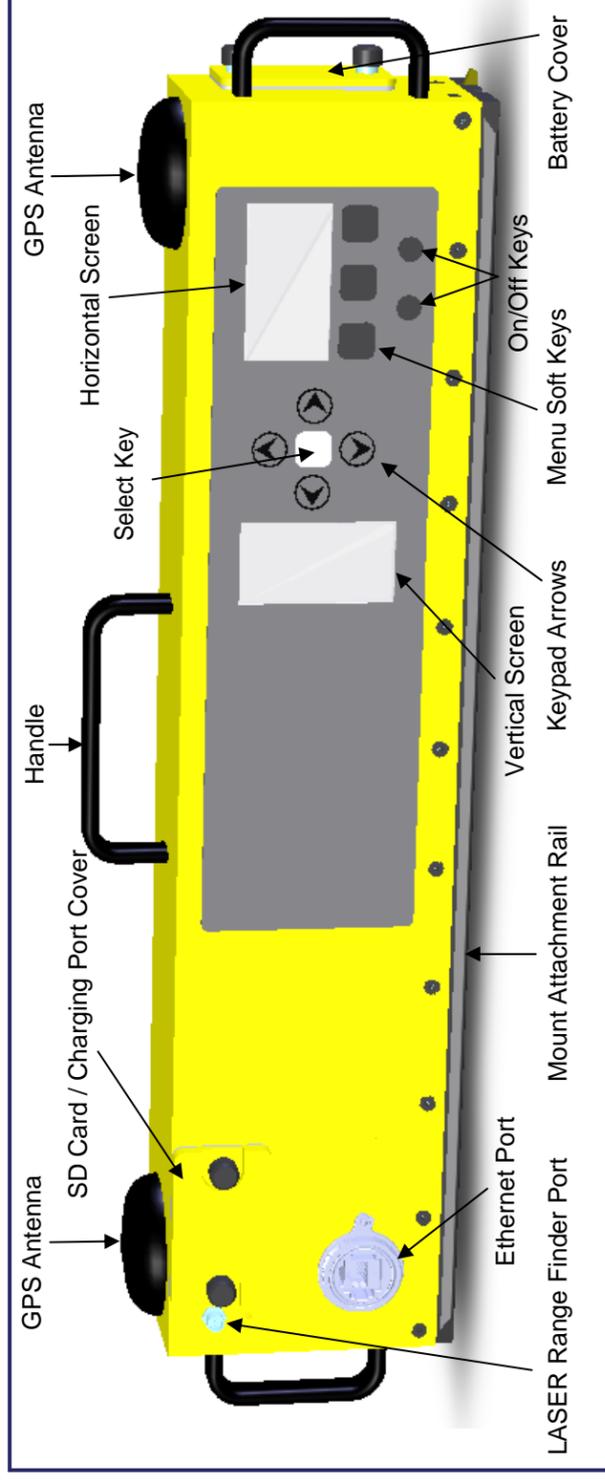
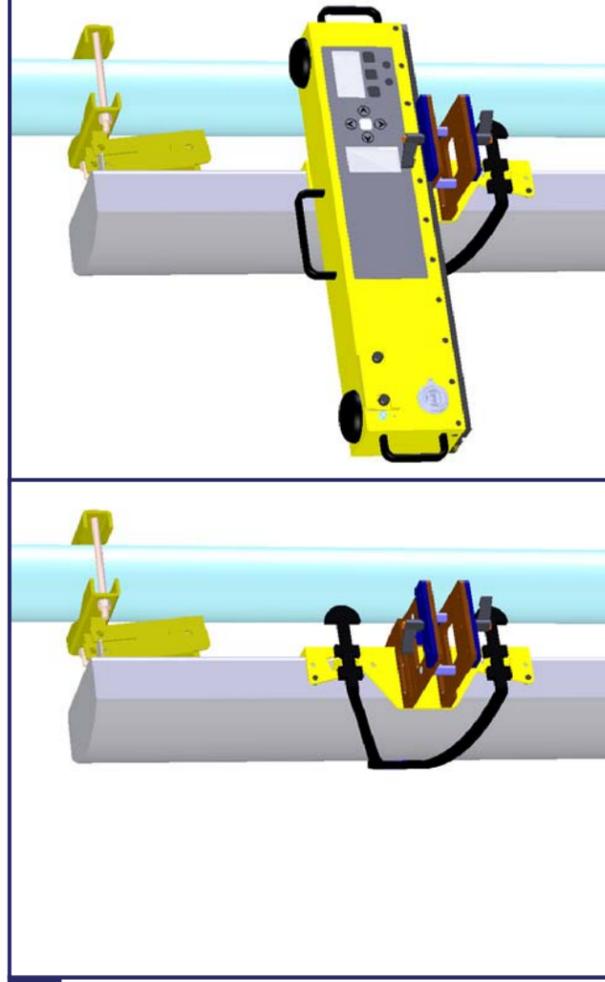
Hours8:30 AM-5:30 PM EST

HANDLING CONSIDERATIONS

- **if powered on, hold the AAT horizontally.** Turn power off before handling vertically. Press and hold 'Recalc' on the GPS Summary display to reset this. The AAT is waterproof, although it is not submersible.
- Keep the AAT batteries well charged, or as a backup you may use fresh alkaline batteries.
- Avoid impacts, dropping, or rough handling of the AAT. Rough handling of the device may cause the AAT to become inaccurate or inoperable. Should high shock occur, check the calibration of the AAT and re-calibrate if necessary.

DIFFICULT GPS CONDITIONS

- Allow AAT to acquire AZM at base of tower before climbing.
- Use the quality indicator to choose the best mounting location.
- Mount above TMAs and cabling.
- Keep hands and arms away from the GPS antennas. Lower yourself so that displays are at eye level.
- Mount AAT as high as possible on the antenna, or use top mount.
- Toggle the multi-path filter from high to low. Try high filter again after 60 sec of steady AZM on low. Some movement helps AZM. Hold the AAT out and slowly sweep a 180° arc while keeping it level.
- Use Gyro or try sector again later.



BEGINNING PROCEDURES

STEP ONE:

1. Make sure the SD card is inserted.
2. Mount AAT to antenna using universal bracket.

ACQUIRING GPS SIGNAL & AZIMUTH

STEP TWO:

1. Turn on the AAT using the **ON** key.
2. The lower left hand screen will blink **GPS** as the AAT searches automatically for satellites.
3. The lower left hand screen will blink **AZM** when the AAT has located the minimum number of satellites for time and position measurements.
4. The lower left hand screen will display a solid **AZM** when the AAT has acquired an azimuth lock.

SELECTING A SITE

STEP FOUR:

1. Scroll to **Select Site** on Main Menu and press **Select**.
2. Scroll to desired site or **ALL** and press **Select**.
3. Scroll previous or next to desired antenna and confirm target alignment. Press **Select**.
4. **New Capture** is offered if azimuth is available. **Partial Capture** is offered otherwise. Highlight your selection and press **Select** to continue.

SETTING TOOL ORIENTATION

STEP THREE:

1. Scroll to **Set Orientation** on the Main Menu and press **Select**.
2. Select **AAT Faces Left, AAT Faces Back, or AAT Faces Right**. 'Orientation Set' will display when complete.

CAPTURING ANTENNA ALIGNMENT

STEP FIVE:

1. Adjust antenna to desired alignment.
2. Press **Select** to capture alignment results.
3. Scroll to desired delay/collection period: 5, 15, or 30 seconds and press **Select**.
4. The target and actual values will be displayed on the left hand screen when the AAT has captured the alignment. This is the capture preview.
5. If a tolerance profile has been assigned, the tool will display whether the antenna is "In Tolerance" or "Out of Tolerance." If it is "Out of Tolerance," press **ORide** to override and save, or **Reject** to reject the captured alignment and readjust the antenna.
6. Press **Save** when the capture is complete and all values are "In Tolerance".

TROUBLESHOOTING

• GPS icon keeps blinking	Make sure the AAT GPS antennas have an unobstructed view of the sky.	• Unable to view sites or save a capture	Make sure an SD card is inserted.
• AZM icon won't stay solid	See 'Difficult GPS Conditions' on other side of this Quick Reference Card.	• No Profiles Exist	Restore AAT file from backup on SD Card.
• After power-up, the backlights come on but nothing is displayed (even after several seconds)	Replace batteries with 10 new C-cells. If the problem persists, contact technical support. The problem could be your contrast settings. Tech support can guide you through the process of adjusting the contrast.	• Azimuth is incorrect or tilt and roll values are reversed	Make sure the orientation has been set to the correct setting.
• Partial Capture is the only choice	Make sure you have an unobstructed view of the sky and that azimuth has been acquired. Re-select this profile after AZM turns solid. New Capture should then be displayed.	• Rangefinder values do not appear on display.	Verify that rangefinder is in VD mode (displayed in monocular) and that no other rangefinder features are active.
• The AAT turns off a few seconds after power up	Make sure the batteries are fully charged and the battery door is closed and secured correctly.	• VVV appears rather than height from rangefinder.	Aim the rangefinder farther down. The rangefinder is designed to be held at angles from -45° to -90° from level.
		• BATT is displayed	Solid - Indicates batteries are getting low. Blinking - Indicates batteries are near exhaustion.

From Main Menu, select **Satellites**

If you have tried the troubleshooting tips from the Difficult GPS Conditions section of the Quick Reference Card and still have difficulty acquiring azimuth, use the following flowchart:

