Calibration Instructions for the AntennAlign Alignment Tool (AAT)

This instruction applies to the following products:

AAT, AAT MINI, AAT MAX, MW, MW MAX
AAT30, AAT15, AAT08, MW15, MW08
AAT CLASSIC

This instruction is also available as a video for the Classic AAT. Procedures for the other listed products are similar to the procedure in the video.

No calibration of the GPS/GNSS based azimuth system is required for the AAT. The AAT does allow for calibration of its internal tilt and roll sensors. This can be performed in the field using the built-in calibration feature. This calibration compensates for slight errors that may have been introduced due to shipping or rough handling in the field.

The AAT products use an extruded aluminum housing and solid-state measuring devices for tilt and roll making the AAT quite durable and robust. As such, there is no specific calibration period defined by Sunsight. It is suggested that the customer define a calibration schedule based on the amount of use of the AAT or taking into account any rough handling of the AAT. It is easy to check whether the AAT needs calibration or not. This could be done at the beginning of any work shift.

To check the Tilt and Roll calibration of the AAT:

1) Set the AAT on a level surface
2) Power on the AAT with the keypad facing you
3) Connect to the AAT using the wireless device and navigate to the measuring page.
4) Record the displayed Tilt and Roll values
5) Rotate the AAT 180 degrees so that keypad faces away from you and place AAT back on the same level surface in the exact same location
6) Compare the Tilt and Roll values displayed with Tilt and Roll values recorded in Step 4 above. The Tilt and Roll values should be within .2 degrees of each other but the opposite sign (example Tilt of -.1 degree during step 2 and .1 in Step 6 would be perfect).
7) If the values are more than .2 degrees different, the AAT must be calibrated using the method below.

**** Note - For the AAT, AAT MINI, AAT MAX, MW and MW MAX, the values in step 6 should be within .1 degrees instead of .2 degrees**

If calibration is needed, connect to the device in the standard way using your WiFi device. Choose the Tilt and Roll Calibration option and follow the on-screen instructions.

** Note that the date of last calibration will appear on all site reports produced by the device.