
If the AP500 compass displays a **constant offset** when compared to a correctly calibrated ships compass (eg: the autopilot compass reads 3 degrees high on all headings), simply rotate the AP500 compass sensor to align the displayed headings with the ships compass, **it is not necessary to re-calibrate the compass as described below.**

If the AP500 has inconsistent variation on different headings, the following calibration procedure can be carried out. **This procedure should only be done in calm waters with adequate sea room.**

1. Use the dial to select “START CAL”
2. Push the dial and “START” will display
3. Start turning the vessel slowly in one direction. Turn vessel slowly through two complete circles from this point. Each complete turn should take at least 60 seconds.
4. On completion of circles, dial up “STORE CAL” to store calibration setting into memory.

Check alignment of the AP500 compass by steering the vessel due North (000 on ships compass) and, if necessary, rotate the compass sensor until display reads 000.

Note: The effectiveness of the compass calibration is dependent upon all steps being completed.
Should you wish to abort the calibration procedure at any time during the process, do not carry out Step 3 but press MODE to return to MANUAL.

It is important to realise that on any vessel the ships compass can have heading errors as a result of the vessels magnetic signature. These errors can be minimised by having the ships compass swung and compensated by a licensed compass adjuster. In any case it is highly unlikely that the ships compass and autopilot compass will be congruent for every heading.

If you are unsure of the success of the calibration, you may return to the factory calibration setting by doing the following:

Select :- MANUAL / MODE / INITIAL / COMPASS CAL / RESET CAL

To exit “INITIAL” mode at any time press CLR/OFF