

Compass Calibration

The compass supplied with your **AP50** autopilot has been calibrated after manufacture, and this calibration will be satisfactory for **almost all installations**. If you have a steel vessel, or some other factor which causes the compass to perform poorly, the following procedure will adjust compass characteristics to compensate.

If the **AP50** compass displays a constant offset (eg; the autopilot compass reads 3 degrees high on **all bearings**), rotate the compass case to align bearings with the ships compass .. **do not** recalibrate the compass as described below.

Note that this recalibration procedure should only be done in calm waters with adequate sea room.

1. In **manual mode**, press the **mode** key repeatedly until the "Calibrat" message is displayed.
2. Press **Stbd** key until "**1**" is displayed. Press **mode** again. The display will show "C-Begin". Press **auto** key to return to **manual mode**.
3. Turn the vessel slowly through two complete circles, so that each compass bearing is covered twice. Each complete turn should take at least 60 seconds. You may steer by hand, or using the autopilot.
4. In **manual mode**, press the **mode** key repeatedly until the "Calibrat" message is displayed.
5. Press **Stbd** key until "**2**" is displayed. Press **mode** again. The display will now show "C-Store". Calibration is complete. Press the **auto** key to return to **manual mode**.
6. If necessary, rotate the compass case so that north is correctly aligned.

The compass calibration does not take effect unless step 5 is completed, so you may abandon the recalibration by simply NOT performing step 5.

You may return to the default calibration level by doing the following:
In **manual mode**, press the mode key repeatedly until the "Calibrat" message is displayed. Press the **stbd** key until "3" is displayed. Press **mode** again. The display will now show "C-Reset". Press **auto** to return to **manual mode**.