


TMQ AP1000 Installation and Configuration Guide



Installation Procedure,

1. Insert CD into the computer, the Auto run installation procedure will display a menu.
2. Select AP1000 from the menu. The software will be installed and the menu will be redisplayed.
3. Select Exit. Installation is now complete.
4. Connect the TMQ Autopilot to the computers Comm. Port using the cable supplied. Switch on autopilot.
5. Start the AP1000 from the Desktop by double left mouse clicking on the TMQ AP1000 Icon.
6. C-Com will require setting up. To do this double left mouse click on the C-Com Icon  in the system tray (bottom right side of the screen).
 - Select the 'Input Configuration' tab. Scroll down to the bottom of the list using the scroll bar.
 - Select 'Raw Data 1' and set the source to be the Comm. Port that the autopilot is connected to from the drop down list when the arrow is clicked.
 - Set the NMEA Data type to RD1 from the 'NMEA Type' drop down list.
 - Click the 'Accept' button, double check that the settings are as required for Raw Data 1.
 - Select the 'Output Configuration' tab. Select 'Auto Pilot 2' and set the destination to the Comm. Port that the autopilot is connected to and click the 'Accept' button.
 - Select the 'Serial Setup' tab, Activate the Comm. Port that the autopilot is connected to by placing a 'tick' in the box next to Activate. Port configuration should be:- 4800,N,8,1,N.
 - C-Com is now setup. Data can be seen by selecting the 'Serial I/O' tab and the appropriate Comm. Port. Autopilot data starts with \$PTMQA,
 - C-Com is required to run in the background and can be hidden by clicking on the 'Hide' button.
7. 'Autopilot Data Valid' will be displayed for the first 10 seconds when the AP1000 first receives valid data after start up.



AP1000 Operating Instructions

The AP1000 functions as would an additional head for the autopilot. Refer to the autopilot operation manual for full operating instructions.

- MANUAL** Manual mode, autopilot will not apply steering control.
- AUTO** Auto mode, maintains the set course as displayed.
- GPS** GPS mode, maintains the course supplied by a plotting system.
- ← 10** **← 1** Active in Auto mode, will reduce course by 10 or 1 degree.
- 10 →** **1 →** Active in Auto mode, will increase course by 10 or 1 degree.
- CTS 348** **Set** Active in Auto mode, type in box or use arrows, then click Set.
- HDG 346 M** Displays the current magnetic heading.
- Port** Dodge Port, active in Auto mode, reduces the course by 45 degrees.
- Stb** Dodge Starboard, active in Auto mode, increases the course by 45 degrees.
- Resume** Resumes previous course after Dodge Port or Starboard applied.
- Setup** Enables Setup mode, full setup options available in Manual mode only.
- Minimise** Displays the minimised AP1000.

AP1000 minimised display, provides limited functionality. Indicates current magnetic heading and course to steer.

Full Autopilot Resumes full autopilot display.

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