



Endeavour[®] 5 Navigator

Product Overview

AT A GLANCE



All your chart navigation tools appear on screen



Endeavour uses GPS, Autopilot, AIS and other sensors



Runs on Windows XP and VISTA



Endeavour[®] uses official raster charts that look just like the paper charts as well as official ENC vector charts

What is Endeavour[®] 5 Navigator?

Endeavour[®] 5 is an Electronic Chart System (ECS) for Microsoft Windows[®] PCs and Laptops using official raster and vector charts. Endeavour[®] 5 integrates a number of key navigational components into a single system; the digital hydrographic chart, the ship's position (using GPS/DGPS, other sensors and dead reckoning), chart work, route construction, route planning and route monitoring are combined to simplify navigation and provide real time information to the mariner. Endeavour[®] 5 caters for all areas of the maritime market from recreational users to commercial and military vessels.

A key feature of Endeavour[®] 5 is its simple to use and intuitive user interface. It enables the navigator to perform most operations with a minimal number of mouse clicks (or touch-screen, if installed). The system allows various navigation objects to be created such as routes, alternative routes, notes, bearing lines and manual corrections. Once a route has been selected, the vessel can be monitored in respect to the route and warnings given if the vessel goes off course. As the vessel moves off one chart, a new chart is automatically displayed and the vessel plotted on it.

Endeavour[®] 5 has been designed to take full advantage of the Microsoft Windows[®] XP and VISTA operating systems. Endeavour[®] 5 also uses a sophisticated object database that maintains the mariner's navigation objects such as waypoints, routes, specific points of interest, etc. The database provides very good security for the user's navigation data. In addition to this database, all data that are logged during a trip can be saved in a log file for analysis purposes.

User confidence from using official charts.

Endeavour[®] 5 has been designed to use official raster and vector chart data provided by national hydrographic authorities. In addition to the un-encrypted S57 ENC vector data, there is also the optional capacity to read ENC's encrypted under the S63 standard.

HSA offers compatibility with official data such as Seafarer[®], ARCS[®], Great Barrier Reef Raster Zoning Charts[®], Western Australian Raster Nautical Charts[®] and NZMariner charts[®].



Go to our website to download your own free trial copy of Endeavour® 5 www.hsa.com.au

Refer to our other Endeavour® documents & FAQ on our website:



Navigator Techspec



Navigator V4 to V5



Wiring up your GPS and Autopilot



Multiple Serial Port and mouse behaviour



Dongles and Windows XP



AIS Module Overview

For more information contact:



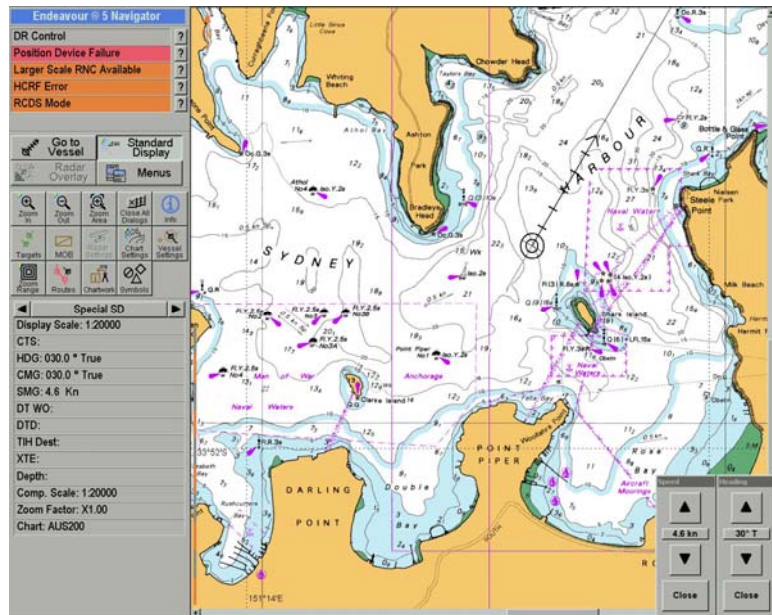
www.hsa.com.au
sales@hsa.com.au



How has Endeavour® 5 changed?

Between version 4 and 5 there has been a wealth of enhancements. You can refer to a summary of the changes between Versions 4 and 5 in a separate technical document, but there has also been a restructuring of the foundation software underneath to make Endeavour® 5 Navigator even more reliable and easy to use.

HSA has received a great deal of feedback from our users who use Endeavour for both land-based and sea based monitoring and navigation. In addition, Endeavour® 5 has undergone type approval as an official ECDIS (Electronic Chart Display Information System) with the International Maritime Organisation. An ECDIS includes a complete specified hardware and software package, but any mariner may use his own equipment with Endeavour® 5 and benefit from the software functionality we have developed for our ECDIS system.



We have simplified the display, enlarged the buttons and brought the menu bars across to the side. The alarms no longer obscure the chart but alert you in the top left corner. Vessel information is in a clear large font on the left side as well. This new layout provides more screen area for the chart to be displayed and is simpler for the mariner to use.

Also with Endeavour® 5 we have provided a digital copy of the user guide. Now you don't have to worry about keeping your user guide dry: you can print out as many copies (or just the pages) as you need them or refer to it quickly on your computer.

NEW: In version 5.4, we have new module options for AIS and S-63 (encrypted chart access). More information on this module is available on our module overviews.