

PI3000

Passenger Information Display System



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Overview of system

The Euronav Passenger Information Display System (PI3000) is designed to allow multimedia presentation in the form of 'Slide Shows' to be put together and displayed with reference to the location of the vessel using a GPS (Global Positioning System).

The documentation is divided into two sections.

- The main Passenger Information Display System
- The charting system documentation – this will tell you how to zoom in to a chart, select charts etc.

Please refer to each as required.

Overview

The Passenger Information is built around the concept of slides. These slides are combined into slide sequences and then displayed in sequence. The time between slides is either preset or coordinated with the end of a video sequence.

Slide sequences can be combined into 'Voyages', with the slide sequence being run depending on the vessels location (from GPS).

Slides can contain one or more sub windows or 'panels'. There are a number of different panels available, each of which can be sized and moved within the slide area:

- Chart panel
Allows a chart with the vessels location to be displayed
- Image panel
Display a JPEG or other bitmap picture or image
- Text panel
User entered text can be displayed – departure time, weather, special events etc.
- Vessel data panel
Information on vessels position speed, heading, automatically updated from the NMEA 183 input.
- Video panel/Camera display
Display of pre-recorded videos in avi or mpg format or display the live video from a camera, for 'view from the bridge'.

Each slide can have a colored backdrop or use a user-supplied image as its background.

A number of extra tools are available to assist you in producing your slides and sequences. These include

- A chart viewer
- Default chart settings, so as to reduce the amount of detail
- Chart installation for ARCS/BSB raster charts (Livecharts are installed outside the program)
- Folio building
- Overlay tools – for creating you own overlays such as company premises, special points of interest etc.

- Route input (can also use routes directly created from seaPro 2000). You can also install seaPro 2000 on to your system to enter the required routes if required
- Vessel trail (log) can be displayed on a per slide basis
- Vessel simulator
- MECCA indicator for pointing the direction of MECCA

New features:

PI3000 has a number of major upgrade features from the original PI2000 system;

- The addition of a pre-selected panel view – this is designed for smaller vessel operators where a number of buttons can be configured to run a sequence of slides (i.e. manual selection of slide shows).
- Easy-to-use slide editor
- What you see is what you get (WYSIWYG) slide previews
- Smoother slide change over
- Transparent text for vessel data and text panels
- Convenient buttons for fast access to frequently-used functions
- Thumbnail views of slides for quick slide selection
- Support for land relief rendering (3d school atlas look) – data is optional extra
- ‘Pack up and go’ for easy transfer between PC’s Complete compatibility with existing Passenger Information 2000 presentations

Installation

Installation should be done in the following sequence:

1. Install the computer (if ordered)
2. Install the VGA to TV converter (if ordered)
For information relating to the above please see the documentation supplied with these products.
3. Install the Passenger Information software (CD supplied – follow the on screen options for language, then select More Installations and then Passenger Information System.

DO NOT PLUG IN THE DONGLE SECURITY KEY UNTIL AFTER SOFTWARE INSTALLATION.

4. Install any Chart rendering data CD's (relief 3d data) if supplied, follow the on screen instructions.
Run the Passenger Information Installer software. This is located on the supplied Euronav CD-ROM, you will also need the installation password that will have been supplied separately. You are advised to accept all the default installation folders
5. Install any Livecharts purchased charts using the unlock codes provided. The unlock program is found on the main Euronav distribution CD, follow the on screen instructions.
6. After the computer has restarted plug in the dongle security key.
7. Start the Passenger Information software and install any other charts (BSB ARCS etc).

Installing Charts

Installing Vector Livecharts

If you have chosen vector Livecharts, you will be issued with either an unlock code or an “ems” unlock file.

To unlock charts or new software features using an unlock code:

- Insert the “seaPro” CD, which on most computers will auto run, if this happens you should just exit the presentation and return to your desktop.
- Start seaPro, and select the menu option Chart | install chart...”

After a short delay the Euronav Unlock program will start. Enter your unlock codes and then Select the “Unlock” button (Note the codes are not case sensitive)
Finally, you will need to re-build your chart folio from the Chart | Folio..... menu

Or use the install chart option from within the program

Important do not loose your original CD's, you may need them if you need to re-install your charts.

To unlock charts using an “ems” file:-

ems files are normally supplied, via email, to unlock purchases of three or more charts, which do not feature in a chart pack. The ems file effectively types in the unlock codes for you.

- Ensure that the file name is not changed. It must be of the form 1234.ems. Save file to a system drive

- Close all other seaPro programs and insert the CDROM which should auto-run. Select Livechart – chart installation and unlock after language selection
- Select a language and select “unlock using code ems...” from the unlock menu. Locate and select the ems file, then select “install”

Note This process may take up to 15 minutes for some chart orders.

Installing ARCS charts

The installation system for ARCS Skipper and Navigator charts is built into seaPro 2000 and an option on seaPro Lite.

ARCS installation requires the following::

- dongle correctly installed
- Appropriate ARCS Area CD-ROM's, these will be supplied when you purchase the charts
A permit file normally supplied on floppy disk
- Update CDs (if applicable)

To install an ARCS chart:

- Insert the CD-ROM and Floppy disk in their respective drives
- Select Chart | Install chart Select ARCS and follow the prompts.
- Important do not loose your original CD's, you may need them if you need to re-install your charts.

Installing BSB charts

BSB installation requires the following:

- CD-ROM, which contains the charts you wish to install

To install a BSB chart:

- Insert the CD-ROM into your PC's CD-ROM drive
- Select Install chart | Install BSB from the Chart menu
- Follow the on-screen instructions

Setting up

The Passenger Information display is designed to use the whole of the final display screen. This will require your computer to be set to the appropriate screen resolution. Typically this will be 640x480 or 800x600 for feeding normal video\TV feeds. For information point displays select the recommended pixel resolution.

To set the pixel resolution you will need to set up your computer.

Basic technique is to:

Start menu ->Settings -> Control panel

Select display

Select settings tab.

Move slide to required resolution.

Please refer to your computer operating system manual or on line help.

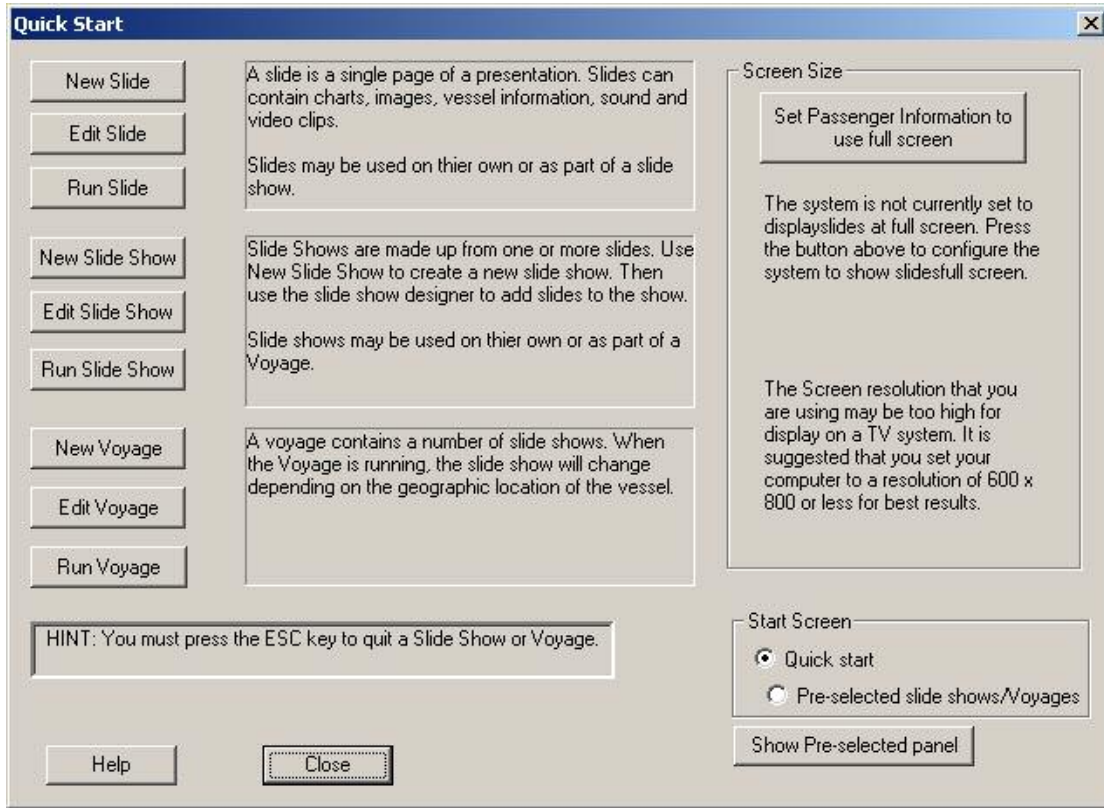
You may also want to set up the color depth. Typically select 16 bit depth color, this is a good compromise between color accuracy and memory usage (speed).


VGA to video converter (if supplied)

The VGA to video converter should now be installed and set up as per the instructions supplied with the unit.

Quick Start Guide

Start up the Passenger Information display program. Select the *Configuration* menu then *Show Quick Start Panel*. The following display is shown;



You can also recall the wizard by pressing the  Button on the menu bar – note this function opens the selected option under *Start Screen* (either Quick Start or Pre-selected slide shows)

Screen Size

For most requirements you will need to have the computer screen resolution the same as your final viewing display, for example if using a TV system to display your slides, the resolution should be set to 640x480 or 800x600.

If your passenger information slides are not set to the same size as that of your system, you will receive a warning in this area. You can press Set Passenger button to set slide size to that of your system.

Note: While creating your slides you may wish to use a higher resolution on your system and set your Passenger software to use the size you will eventual use. This gives you a better working area. Panels will be displayed in the correct resolution but may not fill the full screen.



From the Quick Start box you can create your first slide, run a sequence etc. All the options are also directly available from the menus.

At the top of the Edit slide show dialog there is a list of slides already in the sequence, the slide sequence is from top to bottom. The duration of display for each slide is shown at the far right (to alter this use Edit slide)

Creating a new slide

Select 'Add new Slide' – this will create a new empty slide for you

Adding a previously created slide

Select 'Add existing slide' browse and select required slide

Slides are always added to the bottom of the list (last in sequence.)

Altering a slides position in the sequence

Select the slide to be moved in the list (left click on name in list) and drag to new position.

Hint: To Drag an item - hold down the left mouse key, drag to the new location and release the mouse key

To remove a slide from sequence

Select the slide in the list - select 'Remove slide'

Note: This does not delete the slide – it's just removed from the sequence list

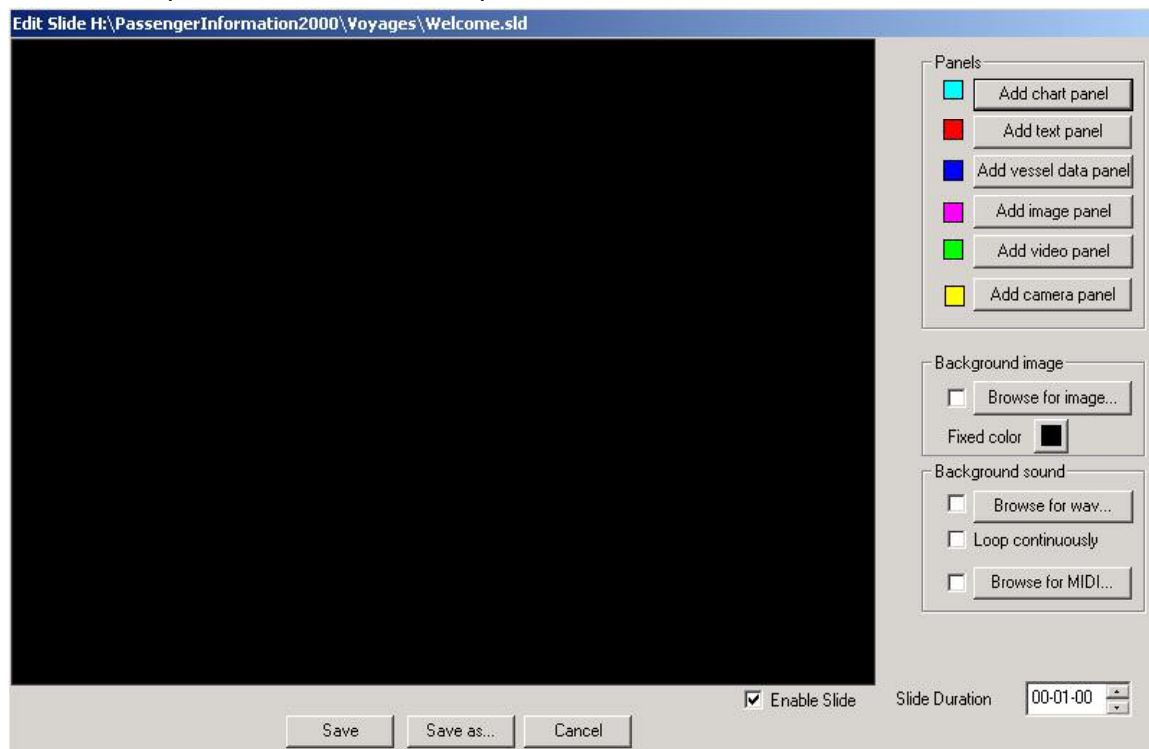
Routes

A route is a sequence of waypoints the vessel is going to go to. Normally these will be given to you by the navigator, If the navigating using a seaPro navigation product, then these can be directly used, otherwise you can enter one using the Route toolbar from the main menu.

Each slide sequence can have its own route or use a globally set one (Configuration menu->Route)

Editing a slide

Select the required slide in the list, and press the Edit Side button.



The black area represents the slide area and is scaled to the actual size of the slide window.

Various Panels can now be added to the slide area.

To add a panel

Select the required panel type on the right. A small panel will appear in the screen area.

Note: If a new panel does not appear then you will need to resize the panels already on the slide to allow room for the new one.

Resizing the panel

Move the cursor to the required edge of the panel (mouse cursor will change shape), drag to the required size.

The panel can be automatically stretched to take up the full available horizontal or vertical space. Click on the required panel with the right mouse key. Select the required expand option.

Moving a panel

Move the mouse over the panel, press the left key and drag to required position.

Note: Panels are not allowed to overlap; the system will automatically stop you overlapping panels

Other options allow you to add a background image or a fixed color, and an audio sequence for the whole slide.

Editing a slide

Most panels have options that need to be set. Move the cursor over the required panel, press the right mouse key and select 'Edit Panel'.

See help on each individual panel.

Altering the time duration the slide is displayed

The time control has three active areas hh:mm:ss, select the required area and use the up down arrows or type in the required time value.

Save and Save as

Before leaving the slide, ensure the 'save' or 'save as' (new name) button is pressed, otherwise all changes will be lost

Creating a voyage

A voyage is simply a way of the system automatically selecting the slide sequence depending on the location of the vessel. For example there could be a slide sequence for embarkation, another for departing the homeport, one for en-route information, one for arrival, another for disembarkation. The vessels position being used to select the appropriate slide sequence.

Steps to create a voyage sequence

- Create a series of slides for each sequence
- Draw out on a chart the areas in which the appropriate slide sequence is to be used

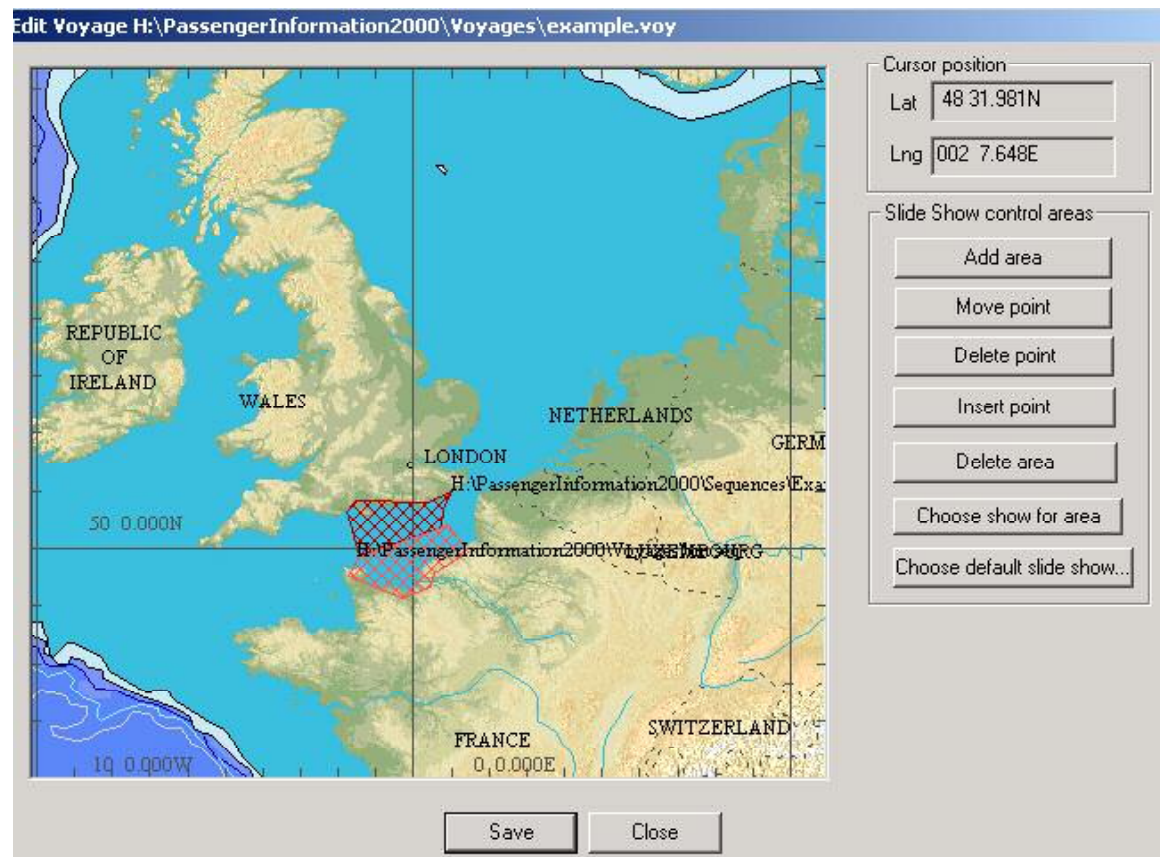
- Select the appropriate sequence for each area
- Select a 'default' sequence for when the vessel is not in any of the defined areas
- Run the voyage

Sequence of operations

Create the series of slide sequences as appropriate, such as slideseq1, slideseq2, slideseq3, slideseq4 etc.

On the menu bar select 'Voyage' and then new, add the required name (you can select required directory etc.) and then press open.

Select edit from the voyage menu, the voyage setup dialog appears-



To add areas

Hint the detailed shown in this display is set in the menu item Chart->Settings for slides

The area is defined by drawing a polygon. Use the chart navigation tools to zoom in and out as required so as to display the required area. Select the Add polygon button and move the cursor over the chart, press the left mouse button to place a point, repeat as many times as required. Press the right key to complete the polygon.

Note the area is automatically closed, so you don't need to try and place your last point on the first.

If some of the points are incorrectly placed, then they can be moved, or the whole polygon deleted using the supplied buttons.

Next you need to associate each polygon with one of the sequences previously entered to do this select the 'Choose sequence' button, move the cursor over the border (line) of the required polygon and press the left key. This selects the polygon, and it becomes hi-lighted, press the right mouse button to select the required sequence. Use the browser to select the required sequence (you may need to change directory to reach the required sequence).

The final stage is to select a 'default' sequence, this is a sequence that will be run when the vessel is not in any of the designated areas. Select the 'Choose default sequence' button, and select the required sequence.

Press the save button.

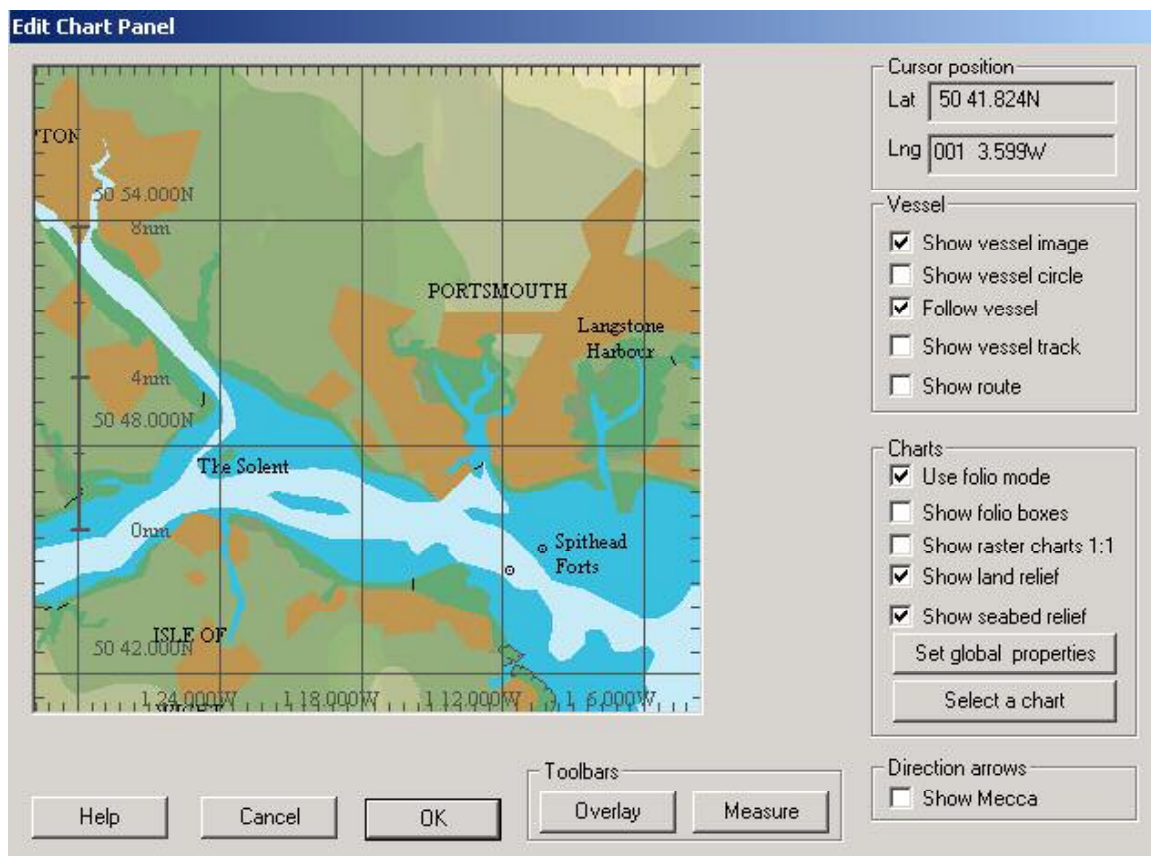
Now select Voyage run. You can test the operation of the system by using the simulator option, placing the vessel in different locations and then running the voyage.

Panels

Chart panels

To set the properties for the chart panel, hold down the right key and select edit.

The chart panel dialog box will appear.



To alter the area covered by the chart, use the mouse, hold down the left button, and drag a zoom box, release the button when required area selected. See the chart help for further information.

To alter the amounts of detail on the chart use the Set global properties.

Note: This alters all charts in the sequence

It's advisable to use the folio mode, unless a specific chart is required (use the select chart)

Select the type of vessel shape required, a vessel mimic (image) or a vessel circle (good for small scale charts). The vessel image is set up in the main configuration menu.

'Follow vessel' ensures that the chart view always shows the vessel. If displaying an area to be visited in the future the option should be switched off.

If a log trail is required, select 'Show vessel track', you will also need to ensure that the log recording is switched on in the 'Configuration' menu.

Show Land relief

If you have purchased land relief data select this option to show the land with relief rendering (school atlas style).

Show seabed relief

If you have purchased land/sea relief data select this option to show the sea with color sea rendering. Use this in conjunction with other chart settings to give the desired style of chart.

Toolbars

Two toolbars are available to help.

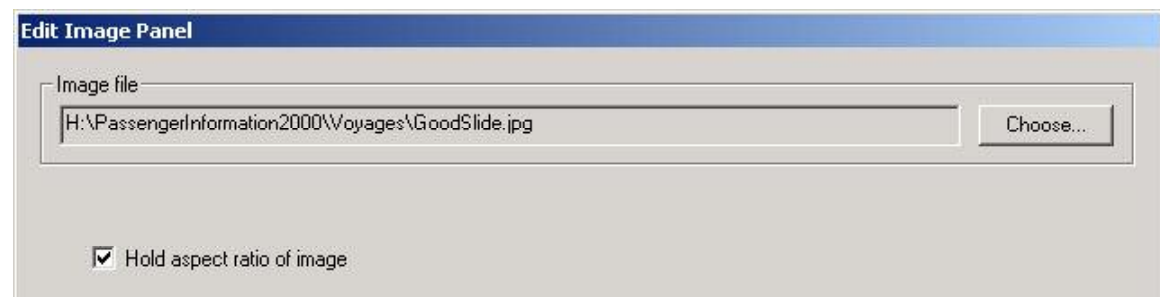
- Measure tool bar allows distances etc to be measured off.
- Overlay toolbar allows overlays to be added – see charting help for more information.

Mecca pointer

This is an option available within the chart dialog box, and allows the display of an arrow indicating the direction of the city of Mecca. The arrow is only displayed when the Mecca arrow box is ticked.

Image panels

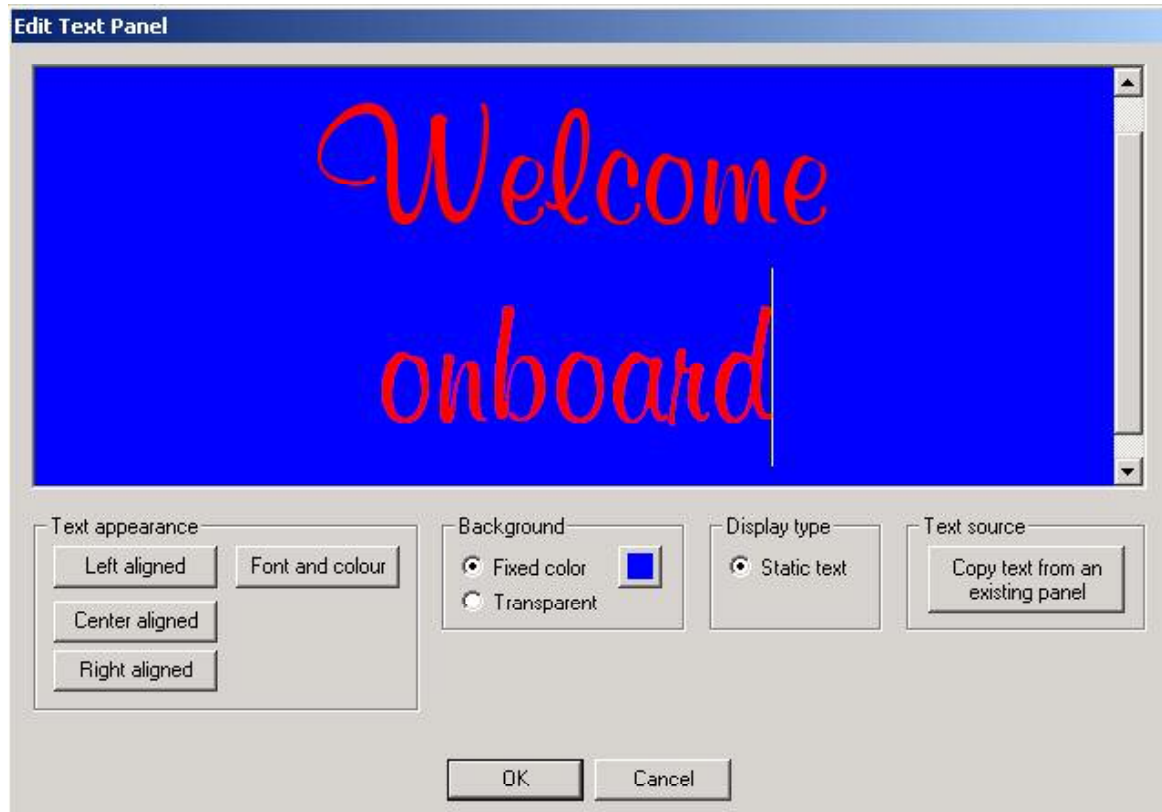
Edit panel allows the selection of the required image, press the chose button and select the required image.



For most images you should select 'Hold aspect ratio of image' to prevent size distortion of the image. You may need to alter the size of the panel to activate this feature.

Text panels

To add the required text to the panel, hold down the right mouse button over the panel and select edit or double click the panel



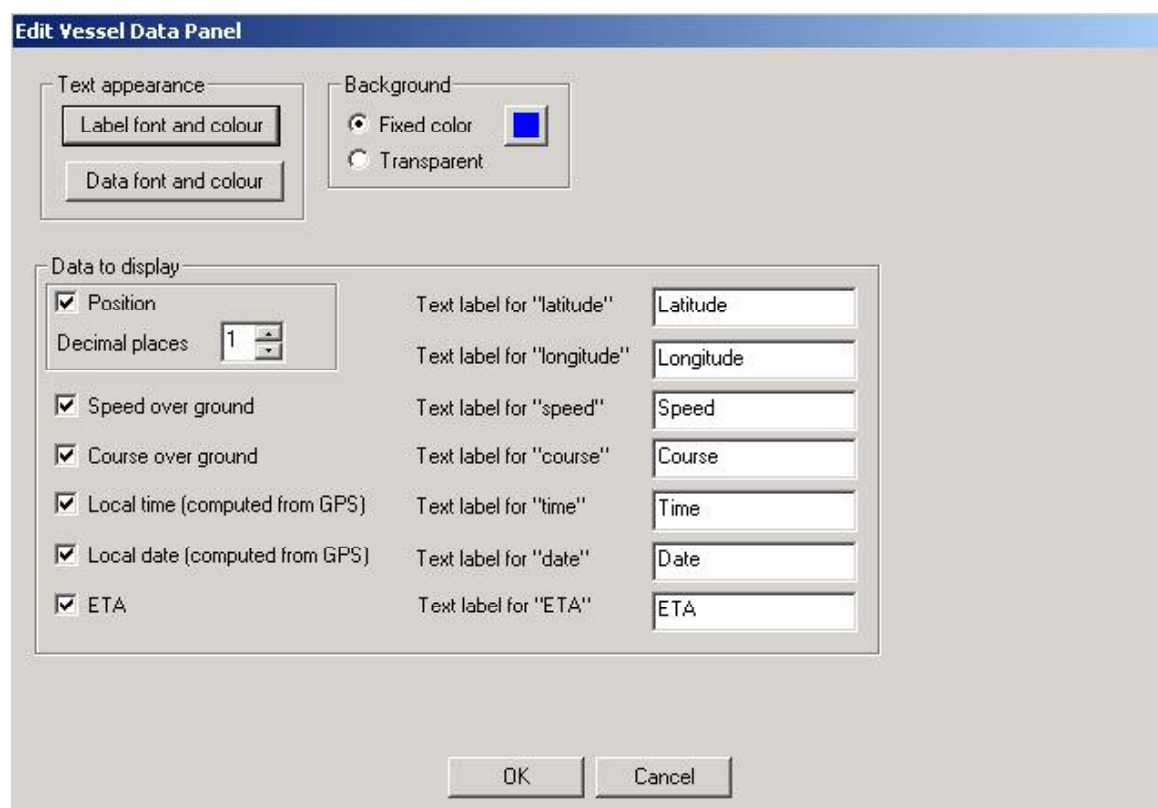
Type in the required text, to alter its layout of font, color etc, select the text to be changes, and select the appropriate Text appearance button.

Select the type of background, Transparent or Fixed color. Note the currently selected background color is used as a mask for the color to be transparent.

To paste text from another application, cut or copy the text (on to the clipboard), move the cursor over the required insertion point, and then press the shift Insert key (normal windows paste)

Vessel data panel

To add the required data objects to the panel, hold down the right mouse button over the panel and select edit.



In the Data to display section select the items to be displayed (order of display is fixed). The label for each item can be modified/abbreviated as required.

The label and data font and color size can be selected.

The objects can be displayed against a solid or transparent background

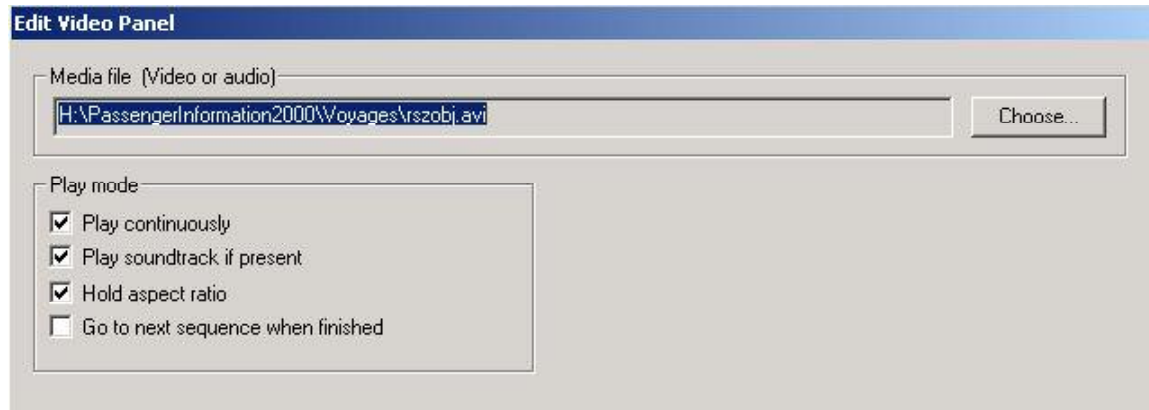
Latitude	29° 29.2N
Longitude	004° 32.4W
Speed	44.0 knots
Course	88°
Time	00:01:40
Date	Thu 01 Jan
ETA	06 Nov 01:41

Typical output for panel

Video Panel

(Video playback and live feed)

Full video (.avi format) sequences can be replayed within this panel. The video can be with sound (sound card required) or without. The window can also be used to replay .wav sound files.



The video panel is used as per the other panels. The edit dialog box gives the following options

Play continuously

The video will enter a playback loop, and will continuously repeat until the slide ends.

Play soundtrack

If the video has a soundtrack, this will allow the sound to be replayed. For this you will need to have a suitable sound card installed. If feeding to a RF broadcast TV system you will need a modulator that can take a sound signal as well as video for modulation. Please contact your TV system supplier for further information.

Hold Aspect Ratio

Select this to maintain the size of the panel window to match the native video aspect ratio i.e. image is not distorted.

Go to next sequence when finished

This feature allows you synchronize your slide changes to the ending of the video.

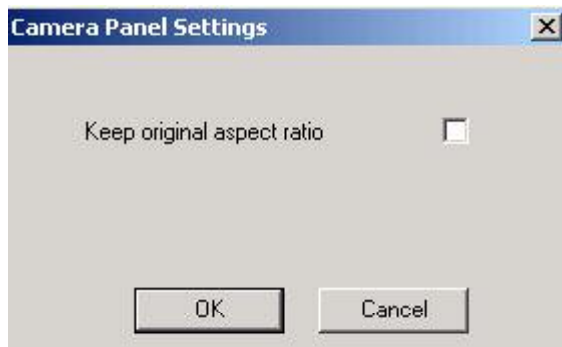
Using a video camera

Live video camera input can be displayed within this panel. The edit dialog box gives the option to keep the video camera panel at the original aspect ratio. If this is selected the original aspect ratio of the video input will be maintained regardless of the aspect ratio of the Video Panel. If this control is not set then the video image will be squashed to fit the aspect ratio of the Video Panel.

Note: The camera input must be enabled before running a slide show that contains Camera Panels. (Configuration menu)

Camera/live video panel

If the camera video input option has been purchased (video input card required)



Please ensure you have installed the correct video drivers and cards before trying to use this feature. See Video camera setup

The camera option must also be switched on in the Configuration menu.

Chart Utilities

These are found under the chart Utilities menu, they are a group of options that allow various charting options to be controlled or set.

More details are available in the Charting online help

Chart settings

There are various chart settings that can be set, such as the detail to be shown, folio mode etc. Most of these are global settings but options such as folio mode can be set in each chart panel.

A full description is available in the charting **help**.

Chart colors

Chart Colors – allows the setting of the chart colors to be used.

White sea is the recommended and default setting.

New Chart window

For setting up routes, overlays etc., its useful to have a chart window independent of the panels. This creates a new non-panel chart window.

Overlay Toolbar

Overlay toolbar allows the creation of overlays for adding own graphical objects, lines, circles, areas, or for adding your own text to charts. See charting help for full details

Measure bar

A tool to allow easy and quick measurement on the utility chat window. See Charting help for more information.

Build Folio

Allows the creation of a chart folio – this is an important action after installing new charts – See Charting help for more information.

Chart relief Toolbar

Chart relief toolbar allows the selection of the relief database folder and how the data is to be displayed.

Relief data is an optional database for the charts that allows land data to be displayed with relief rendering (like a 3d school atlas).

Moving slides shows to another computer (or for archiving)

For easy of producing slides, the system allows you to use image\text resources from anywhere on your computer. When you move slides to another location or another computer, the original paths may no longer be available. For this reason you should not attempt to transfer a presentation simply by copying slides – it is likely that the paths will not be correct.

The PI3000 export facility allows presentations to be easily transferred to a different location by collecting all of the required files into a single folder.

To prepare a Slide Show for transfer to another PC

1. Select Slide Show->Export
2. Select a name for the new folder where a copy of the Slide Show will be created.

PI3000 will then copy all your slides, data (images, video's etc) to the new folder, the slide show will be updated with the new path.

3. Copy this folder and all of its contents to the PassengerInformation\Voyages folder on the new PC.

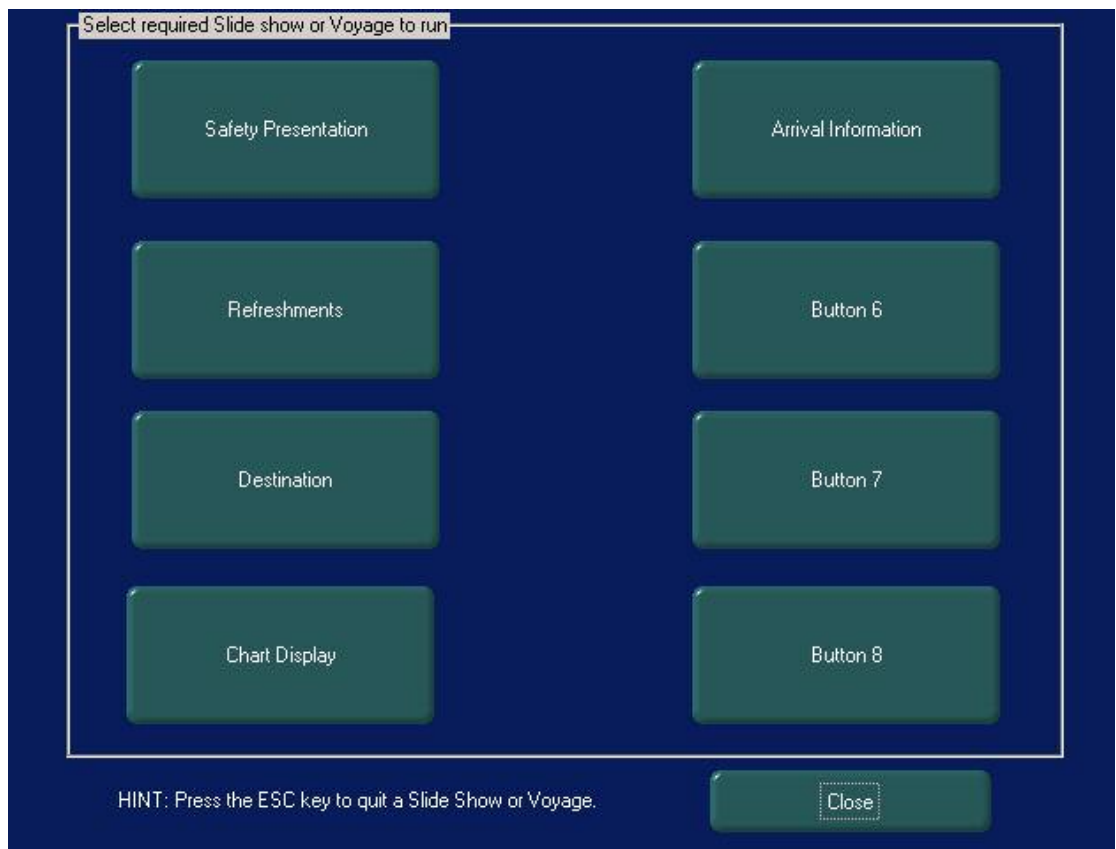
To transfer a complete voyage, select Export on the Voyage and follow the above procedure.

Running Slide shows or Voyages

Slide shows or voyages can be run in two ways;
Directly from the Quick start panel
From the Pre-selected slide show panel

For larger vessels that may want to create complex slide shows or voyages the Quick Start enables slide shows to be setup with time based or geographic transitions.

For smaller vessels a Pre-selected slide show panel is available which allows up to eight buttons to be labeled and setup to run various setup slide shows or voyages.



To edit the button titles and select which slide shows or voyages the buttons will initiate select the Configuration menu and Edit pre-selected slide show panel.

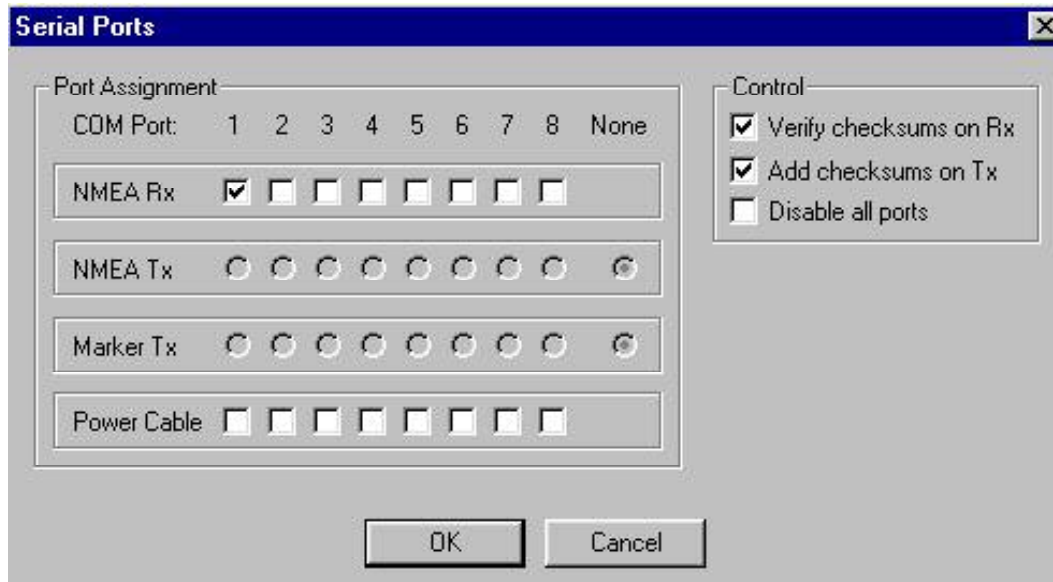
Note; if using the Pre-selected slide show option you need to tick the option under start screen as below.



Configuration

The configuration menu option allows the setting of general system settings

Serial port settings



Used to set up which serial ports to use to interface to the positioning system (GPS).

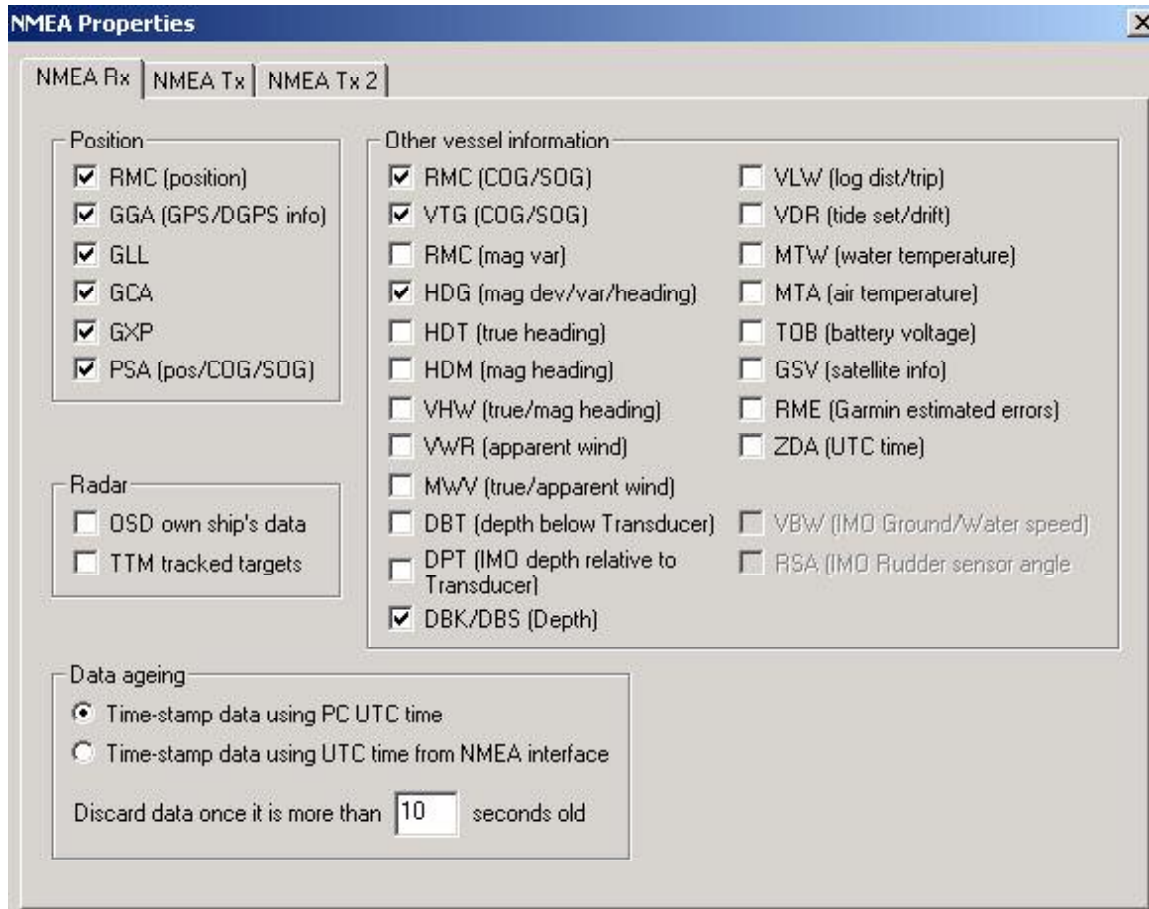
Normally Com port 1 is used.

Note: the output from GPS is NMEA 183, a signal converter may be needed to convert from NMEA183 to RS232 in noisy electrical environments.

If you are having problems with setting up the GPS please refer to your GPS manual and use the View NMEA input in the configuration menu.

NMEA properties

NMEA property sheet allows the selection of the required input data from your GPS



Only set the data for the NMEA Rx and select only one GPS position sentence otherwise flicker of position may occur. Please see your GPS manual on how to choose and select a GPS position sentence.

NMEA 0183 serial input (GPS)

PI3000 communicates with external devices by means of NMEA 0183 – this is a language designed to allow marine electronics devices to pass information between themselves reliably. Like any language, it is developing, and there have been many versions. The current version is NMEA 0183 (v2) and although it has been a worldwide de-facto standard for some years, there is still equipment around which uses older versions.

NMEA is comprised of text sentences which follow a standard format, these are transmitted by a talker device and received by a listener device. seaPro may act as both a talker and a listener.

For PI3000 to operate correctly when connected to external equipment, it is **ESSENTIAL** that it is configured to both receive and transmit NMEA 0183 sentences correctly.

Further information is given below:

NMEA monitor window

To aid you in achieving correct operation there is a NMEA monitor, which is a valuable troubleshooting tool. Use the monitor to examine received and transmitted NMEA sentences.

The NMEA Monitor window displays the 100 most recent NMEA sentences transmitted or received and covers all active COM ports.

- To display the window, select **Window | NMEA Monitor**
- The window can be resized or moved in the normal manner, by grabbing and dragging edges or the title bar.
- The window always stays on top of other windows.
- If more sentences are stored than can be displayed, the scroll-bar on the right allows you to scroll up and down the list.
- Each line in the list starts with Tx for transmitted sentences or Rx for received sentences. The serial communication port used is displayed as COMx where x is the port number.

Receiving NMEA data

Connecting to other equipment

An optional serial data cable plugs into a 9-pin 'D' type connector, usually located on the rear of the PC. All you need to do is to locate a spare connector and plug the cable in. If you do not have a 9-pin connector free, but do have a 25-pin one, you may obtain an inexpensive converter from most computer dealers.

If you have no serial ports free at all, it may be possible to add one or more through the use of a PCMCIA or PC CARD expansion unit. Other alternatives include using a USB serial adaptor.

The other end of the serial data cable is supplied without a connector as there is no standard connector to a GPS set – you may have received a suitable connector with your GPS, but if not, you should be able to get one from your retailer or a marine electronics supplier. Alternatively, your GPS may have come with its own serial data cable, suitable for connecting to a PC.

It is important to note that the electrical signals generated by some NMEA devices as well as induced electrical noise may cause corruption of the NMEA data or under severe conditions (such as a lightning strike) damage your PC. The use of a fully opto-isolated interface will reduce this risk. If you are not familiar with marine electronics and interfacing issues, it is recommended that you obtain advice from a qualified marine electronics specialist.

As standard, PI3000 is pre-configured to expect position data through serial port COM 1. Because of the vast variety of PCs and configurations that exist, this may not match your PC's setup. If this is the case, once you have started seaPro you must tell it which serial port to expect incoming position data on. You may do this via the Setup -> Serial Ports window within PI3000.

NMEA 183 connections

Below are the pin connections of the 'D' type connector found on back of your PC. You only need this information if you are making up your own cables, or troubleshooting. Otherwise use connection information supplied with your cable.

Note: Only three connections are required to send and receive NMEA data.

25 Pin	9 Pin	Signal
2	3	Transmit (Tx) data
3	2	Receive (Rx) data
7	5	Signal ground

Obtaining NMEA data across a TCP/IP network

The Passenger Display System can obtain data from other Euronav products such as seaPro running on another computer. This information can be shared across multiple installations of the information system (and seaPro).

You will need to have a version of seaPro (plus version or better) running on the computer receiving the NMEA 183 data.

Using the network NMEA sharing

The computer receiving the NMEA data is designated the server (seaPro), all the other computers are designated as being clients (Passenger Display Systems).

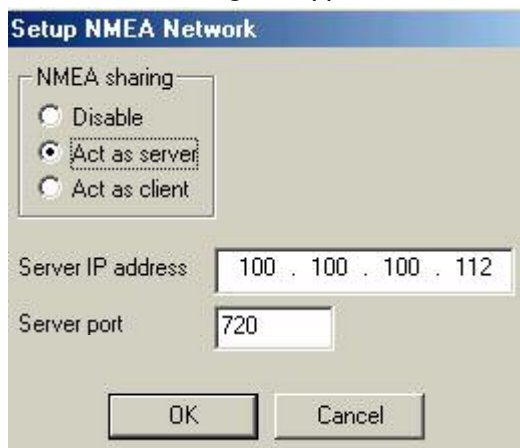
Before setting the Passenger Display System to use the networking facility, please ensure that your network is fully operational, and that each computer can see each other. You will also need to know the network IP address of the computer to be used as the server. If you do not know how to find this out, please seek the advise of your network supervisor.

Note: The server must have a fixed address and not one assigned automatically by a DNA server.

To set up the server

From the Setup menu in seaPro, choose the Network option

The network dialog will appear

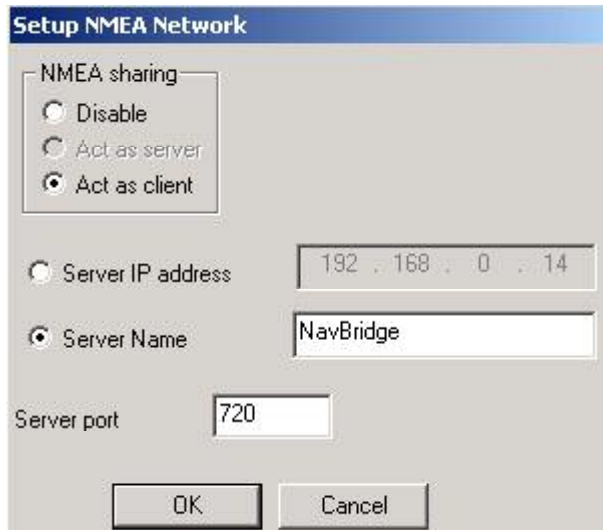


Select 'Act as server', enter the IP address of the server (the current machine you are on). The server port should normally be left at the default value of 720.

To set up the clients

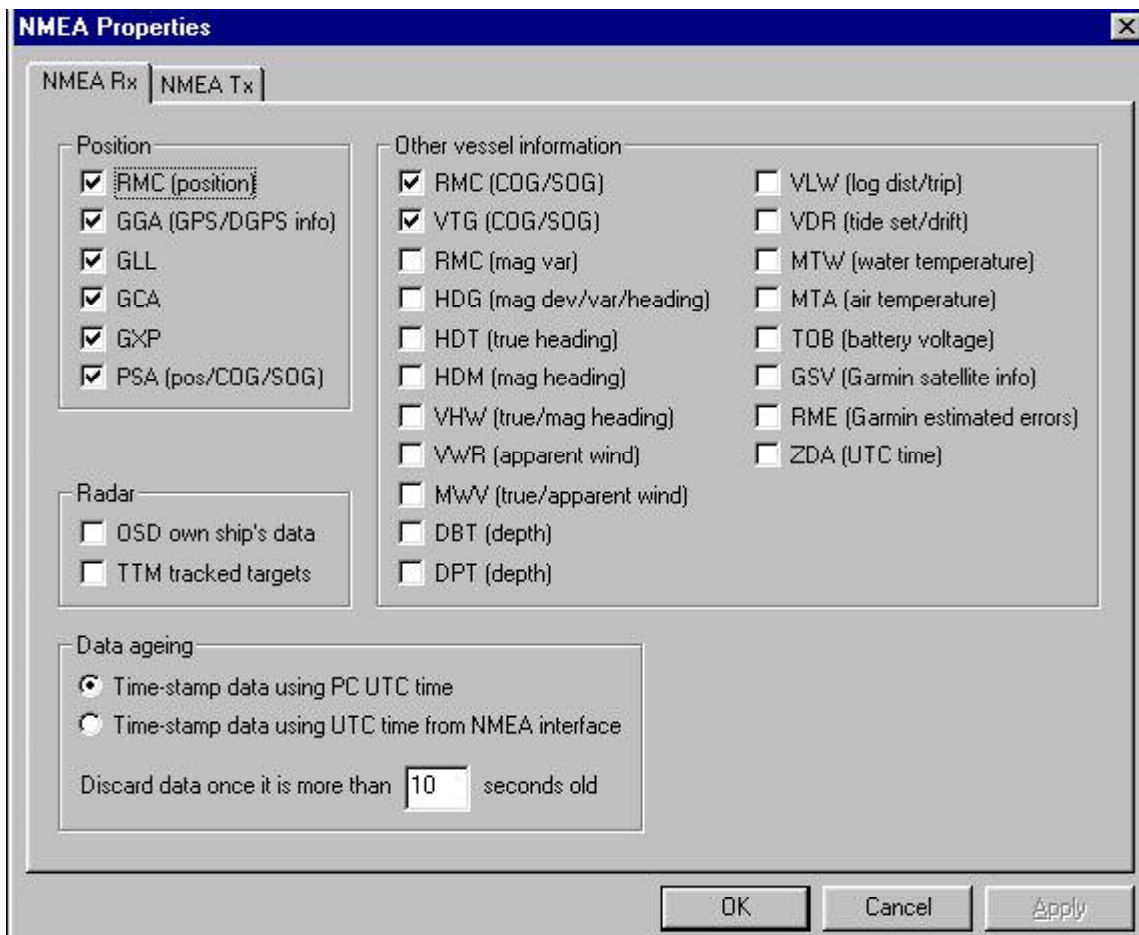
As for the server, but select 'Act as client', and enter the IP address of the server i.e. the same address as in the previous operation. The port value should be the same as the server (default 720).

If the network is operating correctly, with NMEA data being received by the server, data should appear in the Passenger Display System.



NMEA Properties

Used to set up the interface to the GPS system. Please consult your GPS handbook for which sentences to use.



Set time offset

Used to set the time offset (local) time from UTC (GPS time).

Select vessel shape

Select the required image to use as vessel shape the explorer style file selector.

The images are usually JPG images and should be designed to be square in shape with the vessel drawn symmetrically about the center with the bow facing upwards to the top of the image (North). See the sample shapes.

The first pixel in the image (top left) is considered the color defining the color corresponding to being transparent.

Vessel shape

When the vessel is displayed in a chart wind, it can be displayed either as a simple circle (useful when vessel speed is low and directional information from the GPS cannot be relied on) or as an image of a vessel (icon).

If the option to display the vessel image is chosen for a chart panel (selected in the chart panel edit dialog) ,the vessel shape will be rotated by the software to match its current heading (COG).

To select the vessel shape (used in all chart panels), select the Configuration ->Select vessel image menu item. A preview of the selected image is shown.

Creating your own vessel shape

Vessel images can be created using a suitable bitmap editor such as Paint Shop Pro, and creating a new image of a suitable size.

Note the way color used to indicate the transparent color is defined as the first pixel, i.e. the color of the top left of the image.

You are advised to make a copy of one of the supplied images that best matches your own vessel and to modify it as required. Remember the vessel will be rotated around its pixel center point, so the vessel should be drawn centered in the middle of the image (both width and height wise).

Chart Menu option

The chart menu includes general chart settings, setting of colors for the chart layers as well as Chart utility functions for installing ARCS charts.

A chart catalog can also be found under this menu.

If required a larger chart window can be displayed for the adding of overlay data etc. This window is not used during slide show presentations.

After installing charts the folio should always be rebuild.

Note: Do not use any of the dynamic effects such as chart transition fade effects or flashing lights as these are not suitable for this application.

Further information is available in the charting documentation/on line help.

Video camera

Video camera input

The camera input can be used to show for example a forward view to your passengers from the bridge. The video window is part of the presentation, and can be used like any of the other windows, such as a chart window.

Note: Enabling the video camera input when the WinTV hardware is not present will result in an error message.

The Euronav Passenger Information Display system supports the use of the Hauppauge WinTV system for the video camera input feed.

The WinTV system should be installed in accordance with the manufactures

instructions. Once the WinTV is installed, start the Euronav Passenger Information Display and select Configuration > Enable Camera from the main menu. There will be a short delay while the WinTV system is initialized, the camera setup dialog will then appear. Use the channel selection controls to tune to the correct channel for the camera.

Setting Slide resolution

You can set your slide side (pixel resolution) independently of your systems pixel resolution (display settings).

Normally you will want to have slide resolution the same as your systems display resolution.

While creating your slides you may wish to use a higher resolution on your system and set your Passenger software to use the size you will eventual use. This gives you a better working area. Panels will be displayed in the correct resolution but may not fill the full screen.

To set your slide resolution

Select Menu Configuration->Screen Size and then click on required size.

To select your display or screen resolution, please refer to your operating system instructions

The basic principle is

Start button ->Settings->Control panel -> Select display

Then settings select required color depth and screen resolution. You may want to set up other items such as disabling the screen saver and altering the refresh rate of your system.

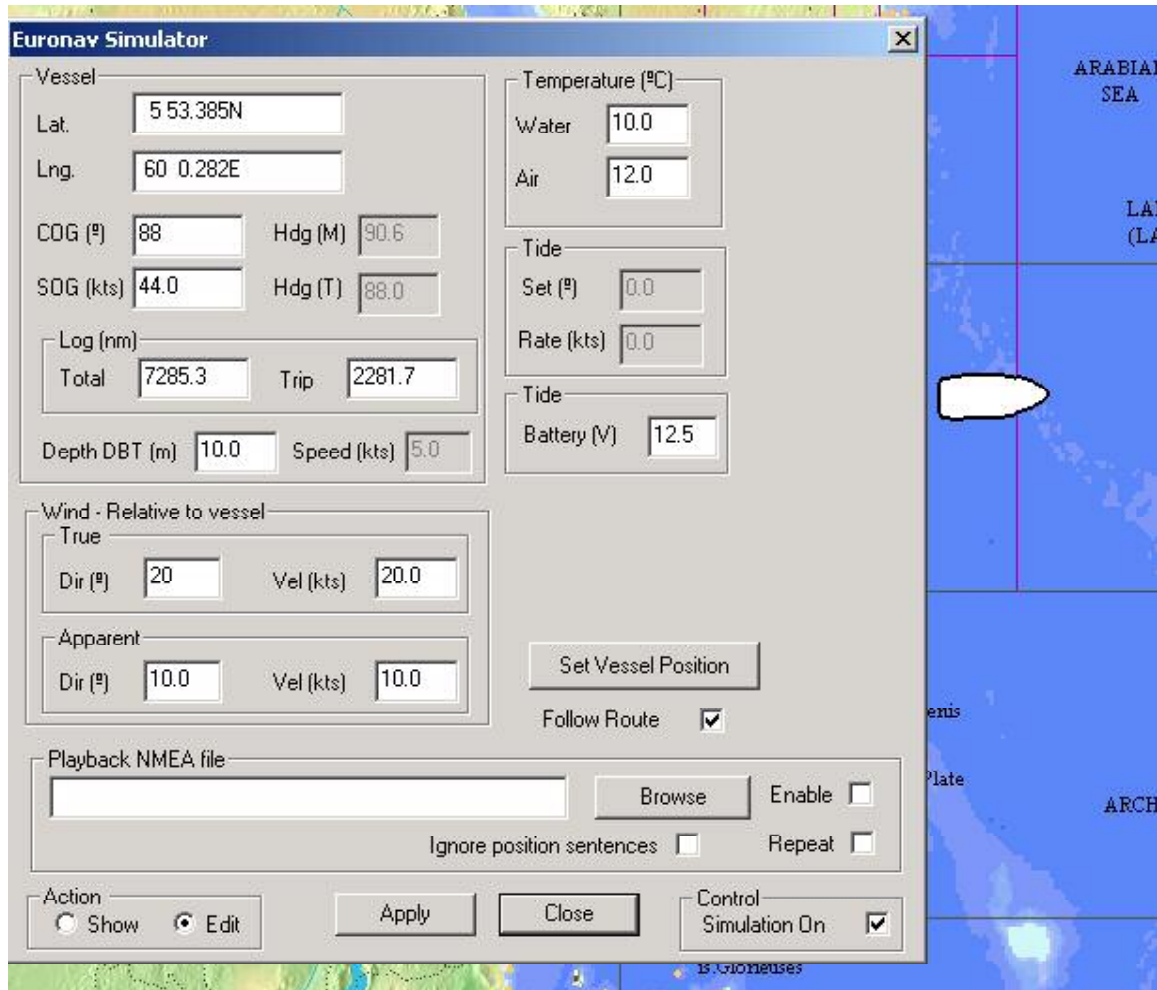
Simulator

Simulator mode

When you have produced your slide sequences, it would clearly be useful to test them hooked up to your GPS with the vessel's position in the area covered by the sequence. This can be done using the simulator to output data directly to the Passenger information system. The simulator send the directly to the program so no external connections are required.

Using the simulator

Select the Simulator->Settings menu option. The simulator setting's dialog will appear



With the Action button selected to 'Edit', enter the required simulator settings.

The SOG (Speed Over the Ground) and COG (Course Over the Ground) can be used to set the direction and rate of the simulation.

Hint – set a high SOG to quickly test various Voyages.

When the settings are set select Action to show, and enable the simulation ON tick box, the simulation will be started and the Lat Lng should change.

If the utility chart window is open the position can be done by pressing the Set Vessel Position', move the cursor over the required chart position and press the left key.

Follow Route

If a global route is selected the simulator will follow the waypoints of the route (starting from the nearest one).

Press the Apply button and close the dialog box. The vessel position will appear in the appropriate chart windows (also appears when editing the chart windows).

Hints and tips

Some useful hints on using the information system

- Do not make your screen too busy or detailed, especially when displaying over a standard CCTV/ or TV system. The resolution is a lot less than that of your computer monitor typically 640x480 or 800x600
- Think out your slide show before starting to create it. Consider your target audience, the presentation system (high or low resolution) and what you want to present.
- Gather together your images, video etc before creating your slide show.
- When using chart panels, make use of the facility of switching on and off the folio, with it off you can select the specific chart you require. Try using the BSB world location chart or leave it on to allow the best chart to be chosen with respect to the vessel position.
- Use large fonts for easy readability - consider your target audience.
- If you are not a graphics artist, then for real good presentations consider having some images/graphics done by professional graphic artists – it can make a world of difference.

Sharing slide shows

For ease of producing slides, the system allows you to use image\text resources from anywhere on your computer. When you move slides to another location or another computer, the original paths may no longer be available. This does present a problem, so if you do need to move slides between computers you should either

1. Edit the slides to point at the resources on the new computer - or
2. Ensure the new computer is set up to use the same paths.

If using resources across a network, a simple solution is to map the network drives on each computer to the same drive letter.

Log 'vessel tracks'

With each chart panel you can select to show the vessels track. The track is made up of two parts

- A temporary memory log - that gives about 20 minutes of highly accurate recording, resulting in a track that shows minor changes in the vessel track.
- A disk based log used for recording the track over a longer period of time, this by default updates about every 60 seconds. This track is also re-loaded when the program is restarted.

The log can be switched on or cleared, by using the menu options under the configuration menu. The default settings should be fine for most applications, however you can alter the update rate by editing the track.ini file in the program directory.

```
Alter the line LOGINTERVAL      = 60                // update rate in seconds.
```