



Yachtcontrol Navigation
A suitable navigation solution
for every occasion.



YACHTCONTROL OFFERS AN EASY TO USE NAVIGATION SYSTEM WITH INFINITE POSSIBILITIES FOR YOUR COMPUTER OR LAPTOP.

The navigation package by Yachtcontrol will lead the way anywhere in the world. Whether you are sailing on the IJsselmeer or on your way to the Caribbean, there is a map available for every part of the world. Yachtcontrol enables you to find the fastest, shortest or most touristic route to every destination.

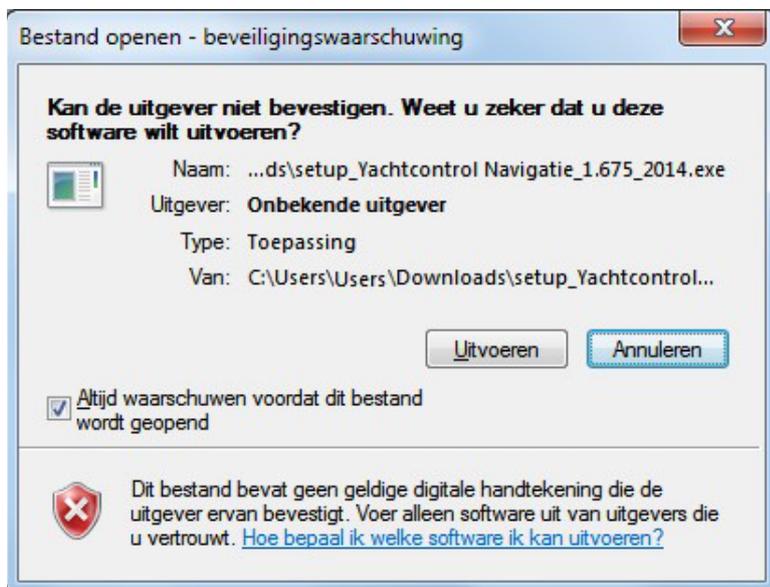
The navigation software is perfectly integrated in our Monitoring & control and Meteo packages. Therefore you have immediate access to all the practical information on the situation aboard and around your ship.

Table of Contents

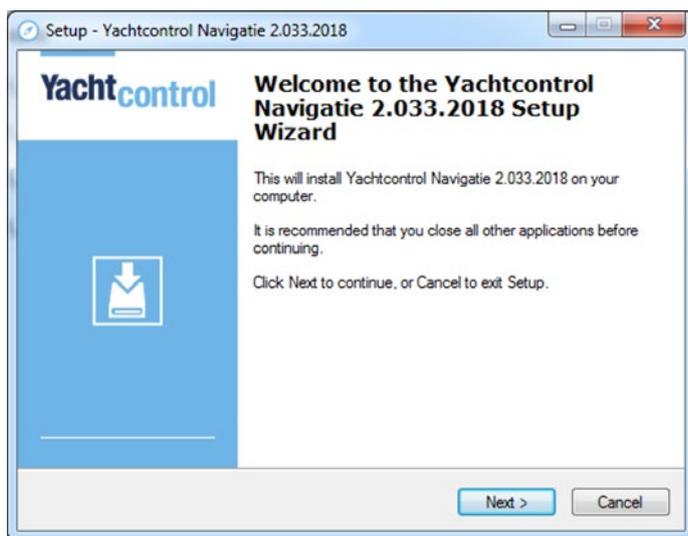
Installation	03	Polar Diagram	37
About Navigation	09	Navigation menu	39
Yachtcontrol Meteo integration	09	Datascreens menu	40
Toolbar	10	A pannel for tablet or smartphone	41
Maps	11	A datascreen in design mode	41
Chart settings	11	Making a clock	43
Settings	12	Create a button	45
NMEA	12	Display of datascreens	46
NMEA 2000	16	Tools menu	48
Ship	18	Radar	50
Instruments	18	Alarms	51
Config	19	Waypoints menu	53
AIS	21	Routes menu	56
Data Server	23	Track menu	57
Windoverlay	25	Track settings	58
Application	26	Weather menu	59
Simulation	27	GRIB display on the map	59
PCAN	28	Screen menu	60
Capi2	29	Help menu	61
MK2	30		
Modbus	31		
JBus	32		
WPCBus	33		
Radar	34		
Currents	36		

Installation

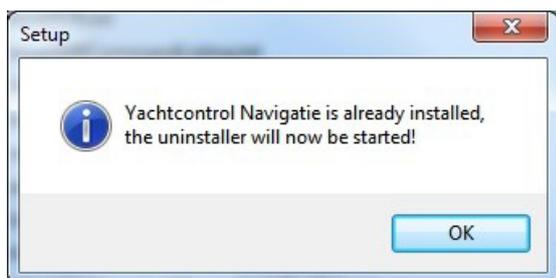
1 Start screen. Choose **Execute**.



When the next screen appears, click **Next**

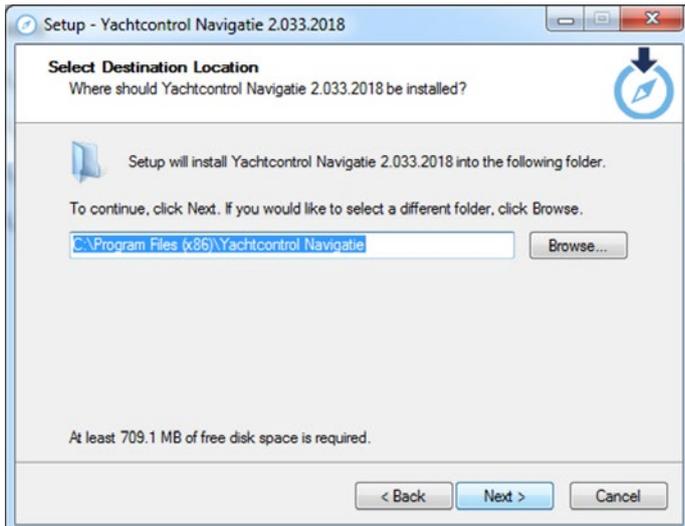


Attention! If there already is a version of Yachtcontrol Navigation installed, the next message will be displayed.



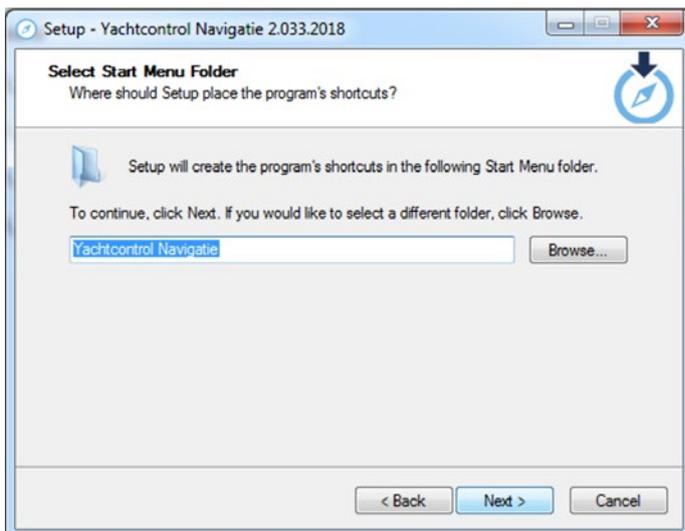
Click **OK**, and follow the instructions to remove the previous version.

- 2 In this screen you can choose an alternative location where Yachtcontrol Navigation can be installed.



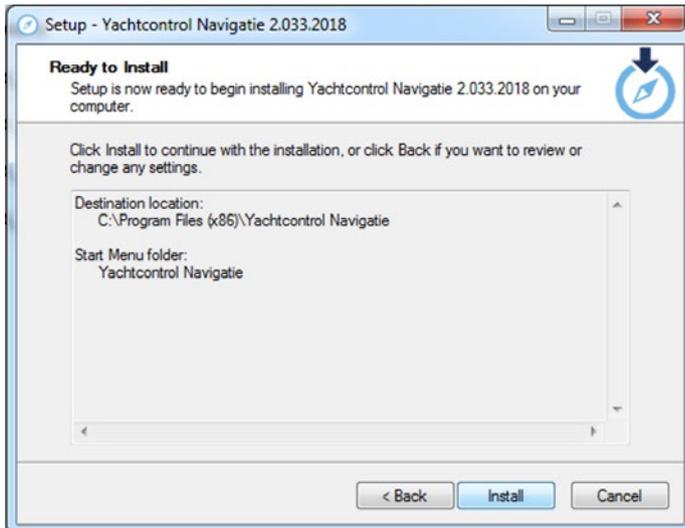
1. Alter (when needed) the target location by choosing the **Browse** option.
2. Choose **Next**.

- 3 You can choose to change the start menu destination.

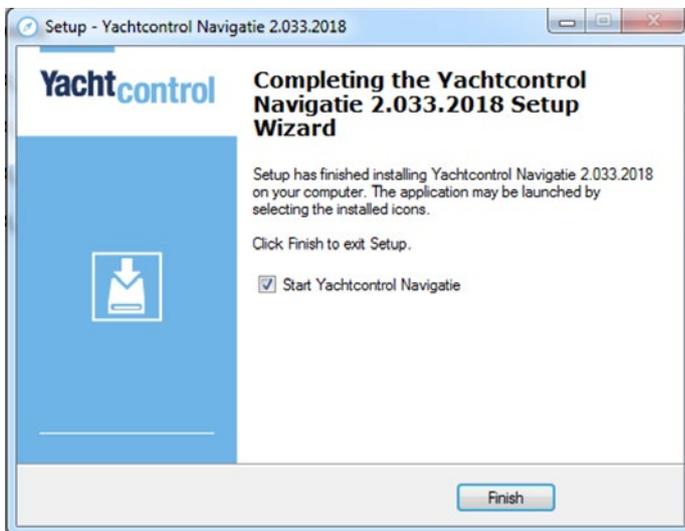


1. If needed, change the location where Navigation shortcuts will be placed.
2. Choose **Next**.

4 Click **Install** and wait until the setup is completed.



5 Choose **Finish**.



Hint: Remove the checkbox so that Yachtcontrol Navigation does not start after finishing the installation.

6 After first time starting of Yachtcontrol Navigation it is possible you receive the message “Do you want to keep blocking this program?”. This is a one-time warning by the Windows Firewall or antivirus.

1. Start **Yachtcontrol Navigation**

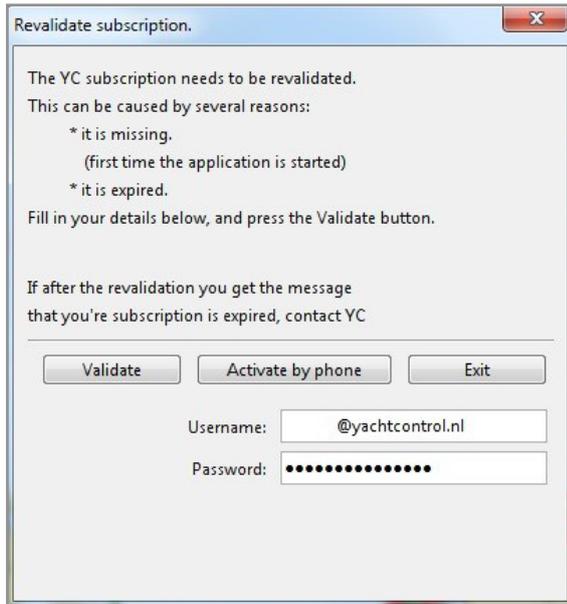


2. Remove the block from the firewall or antivirus program.

If you are using windows vista, 7 or 8, it may be necessary to run Yachtcontrol Navigation as administrator. Please follow the following steps:

1. **Right click** the **Yachtcontrol Navigation** shortcut on your desktop.
2. Go to the **properties** tab.
3. Check the checkbox *Run this program as administrator*.
4. Choose **Ok**

- 7 When you are starting Yachtcontrol Navigation for the first time you will see the following dialog:



Validation by Internet

1. Make sure you have an active Internet connection.
2. Fill out your account details.

Example

Username: noordwaarts@yachtcontrol.nl

Password: noordwaarts

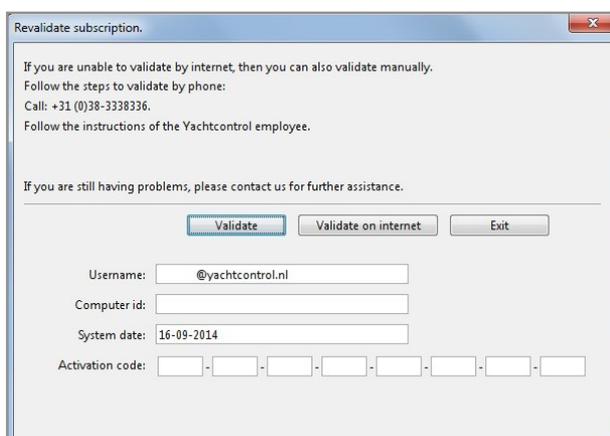
3. Click on **Validate** and continue to step 9

For validation by phone:

1. Click on **Validation by telephone** and continue to Step 8

8 Validation by phone

You will see the following screen:



1. Fill in your username, and call the Yachtcontrol office.
2. Fill in the *Offline activation code* and choose validate.

9 If the validation is completed, you will see the following screen:



You are now ready to use Yachtcontrol Navigation!



Attention: If you receive a warning instead of the message above this can have a few causes.

Error messages

Combination (username / password) does not occur.

This means your username / password combination may have a type error in them. Please fill in the details again and try again.

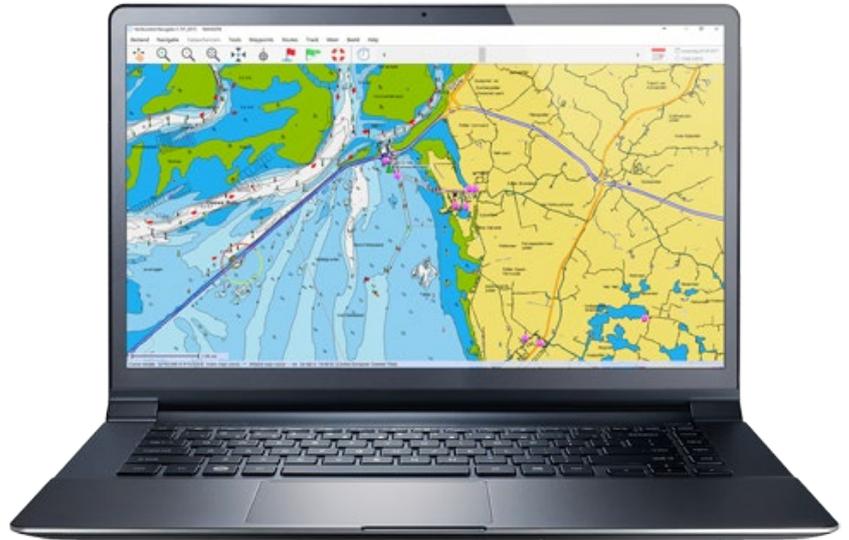
Your maximal amount of registering has been reached. New registry is not possible.

You have installed the software on a new computer not recognized by the system. We bind the license to up to 2 different computers. Please call us, and we can reset the system for you.

If you receive any other error, please contact us.

About Yachtcontrol Navigation

Yachtcontrol navigation uses Navionics maps. These are vectorcharts where you can easily zoom in and out and enable or disable additional layers. You can choose what you wish to see or hide on the chart. Navionics has maps for internal and external waters.



Yachtcontrol Meteo integration

Yachtcontrol Navigation collaborates with Yachtcontrol Meteo. With Yachtcontrol Meteo you can receive naxtex messages, weather predictions and other nautical information. Yachtcontrol Navigation can place weather information (GRIB and Hirlam) over its maps so you know what local weather can be expected.

Toolbar

The buttonbar allows access to several basic functions of Yachtcontrol Navigation. You can zoom in and out and use the hand to drag over the charts.

The following buttons are used for navigation:



View map

- Activate the hand icon to drag the view of the map.
- Deactivate the hand icon to select an area by dragging a rectangle on the map.



Zoom

- Click on the + icon to enlarge the view of the map.
- Click on the - icon to reduce the view of the map.



Center

Center the ship once on the screen.



Center continuously

With this button you keep the ship centered on the screen, the map runs under the ship.



North-up / Heading-up

Switch between North-up / Heading-up.



Waypoint

This allows you to create a waypoint.



Route

This allows you to create a route.
Click again to complete the route creation.



Automatic animation

Allows you to turn automatic animation of the currents and tides on and off.



Date

Select from which date you want to load currents and tide information.

Maps

In Yachtcontrol Navigation you use Navionics maps.

Buy Navionics maps

Navionics charts you can also buy through Yachtcontrol.

Start chart management

Go to the **File** menu and choose **Chart Manager**

Open a chart



Opening a Navionics chart via the card reader

Place the Navionics card in the card reader. The maps are automatically loaded. When using a new map, the PC must have an internet connection to be able to register the map.



Copy one of the maps to the hard drive

Place the Navionics card in the card reader. Click on the **copy** icon to copy the map to the hard disk.



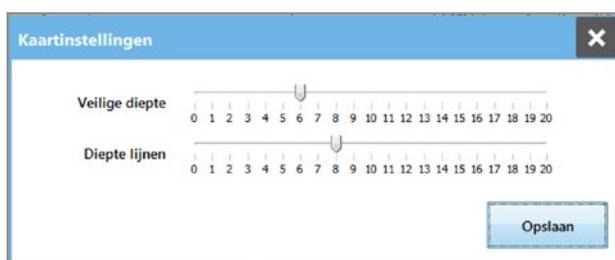
Update of maps on the hard disk

Click on the **Delete** icon behind the installed map. Insert the new Navionics card into the card reader. Click on the **copy** icon to copy the map to the hard disk.

Hint: If you do not have any Navionics maps, it is still possible to make use of Yachtcontrol Navigation. But please be aware that the maps should not be used for navigating!

Chart settings

Go to the **File** menu and choose **Chart settings**



Select the desired value for the *Safety depth* and *Depth contour*

Settings NMEA

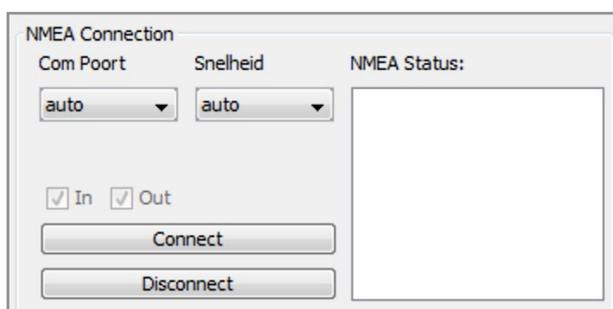
NMEA configuration

To connect to your navigation equipment or to configure your incoming navigation data, please go to the NMEA configuration screen.

Click the **File** menu and choose **NMEA**.

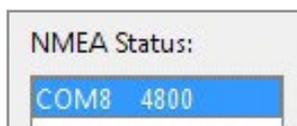
Connecting to navigation equipment onboard

In the topleft corner you see a block named *NMEA Connection*.



Automatically connect to your navigation equipment

With the above settings you can click on **connect** and the system will scan all known COM ports on all default baud rates to scan for NMEA devices and set up a connection with them and your pc. When the navigation software detects incoming data, the ports are opened and the connection will become visible in the *NMEA Status* block.



It is possible that during connection no navigation equipment is detected when your devices do not add a checksum to their NMEA message. To solve this, you need to disable the checksum, please see the following chapter.

Manually opening a port

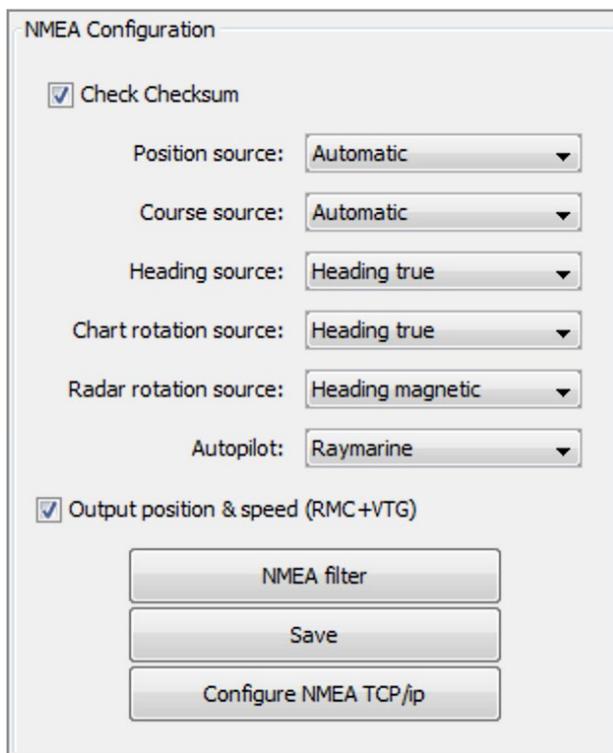
To manually open a communication port you first have to select a port and / or a connection speed (baud rate) and then click on the **Connect** button. If you choose to only choose a port and leave the speed on auto then that specific port will be scanned at all speeds. If you choose to only choose a speed (baud rate) and leave the port on auto then all ports will be scanned at that specific speed.

Disconnecting a connection

Selecteer a port under *NMEA status* and click **Disconnect**.

Configuring incoming NMEA data

By default there is a checksum at the end of a NMEA message. This is a check for errors in the string. When your navigational equipment does not send out a checksum, than the checkbox *Check checksum* needs to be disabled.



NMEA Configuration

Check Checksum

Position source: Automatic

Course source: Automatic

Heading source: Heading true

Chart rotation source: Heading true

Radar rotation source: Heading magnetic

Autopilot: Raymarine

Output position & speed (RMC+VTG)

NMEA filter

Save

Configure NMEA TCP/ip

Position and course configuration

Here you can choose out of which NMEA messages Yachtcontrol Navigation should retrieve its GPS location and which NMEA information should be used to determine the course. When the checkboxes are both on *automatic* than position and course will be determined by the following order:

Position: GLL > RMC > GGA

Course: COG > TMG > True Heading > Magnetic Heading

Sending out NMEA position & speed

You can activate this function with the check box *Output position & speed*. This is useful for sending data to the marifoon, for example.

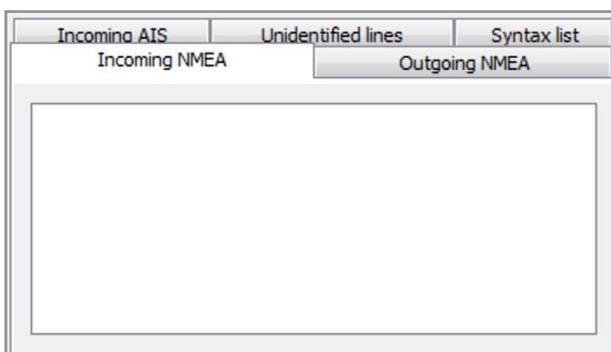
Configuring an instrument filter

In some cases NMEA information such as position can come from several devices. To make sure that only one of these is used for reliability, you can choose to filter information from a NMEA source. NMEA messages start with a '\$' sign followed by 2 characters which signify the type of device and as last before the comma 3 characters for the type of NMEA string. To make sure that all incoming data comes from 1 device, please type 2 characters which define the type. A message starts with for example: \$GPGLL, \$GPRMC,

You can use the letters GP in the pop-up from the **NMEA filter** button.

Now only messages of this device will be handled.

The incoming NMEA will be shown in the following tab:

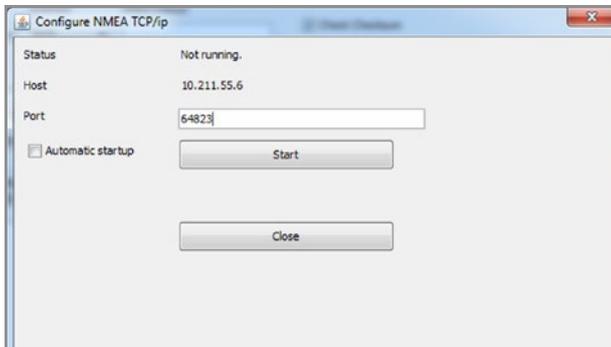


Saving not recognized NMEA messages

When certain messages come from navigation equipment and our software does not recognize it, you can see it with this tool. When Yachtcontrol Navigation does not store your position, speed, course, wind, depth, temperature or position while your analog clocks are able to show this information, then you can record this information with the **Save** button. Please send this file to our employees so we can improve our software and help you read this information in your software in the future.

NMEA TCP/ip configuration

Open the configuration screen by clicking the **Configure TCP/ip** button. With this dialog you can send NMEA 0183 information over tcp to other software or hardware such as the iNavX app on your iPad or iPhone. This will transmit NMEA information over your network.



At port you can choose another port. Please be aware that this requires a restart of the internal server! By choosing *Automatic startup* this system is automatically started when Yachtcontrol Navigation starts up.

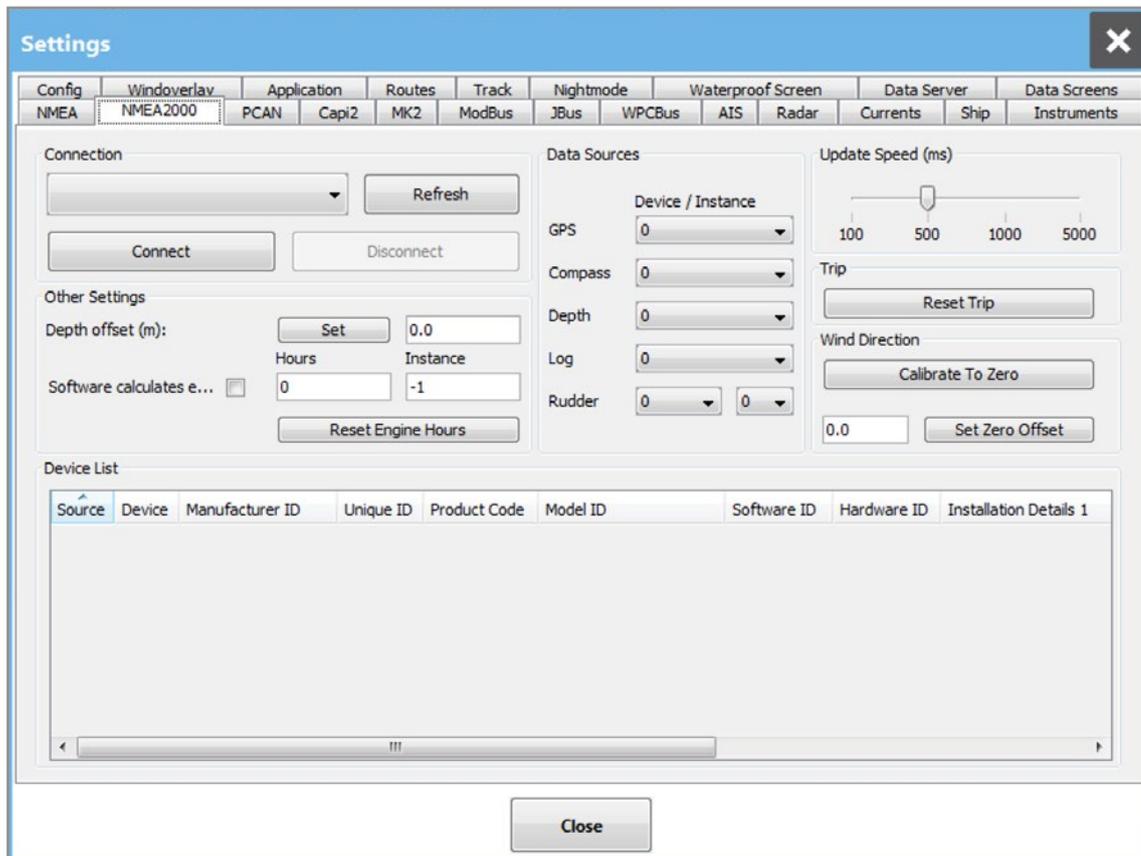
With the button **Start/Stop** you can manually start and stop the internal server.

With **Close** you can close this dialog.

Settings NMEA2000

NMEA2000 configuration

Click the **File** menu and choose **NMEA2000**.



Connecting with NMEA2000

To connect with the NMEA2000 system using an Actisense NGT-1 the Actisense software package needs to be installed first. Once this is done, a connection can be established.



Using the **refresh** button the software will scan for active NMEA2000 connections on your USB ports. Once a valid connecting has been found, it will be added to the drop down list. Select the desired connection and press **connect** to establish a connection.

NMEA Configuration

Here you can download the latest NMEA syntaxes. This can help when certain hardware is not yet supported by the program.

Miscellaneous settings

Here you can set a depth offset.

NMEA 2000 update speed (ms)

With this configuration the NMEA throughput speed can be configured. A smaller value will cause values to be parsed faster to the software and cause visual updates to occur faster. A larger value will have less performance impact on the computer.

Incomming NMEA

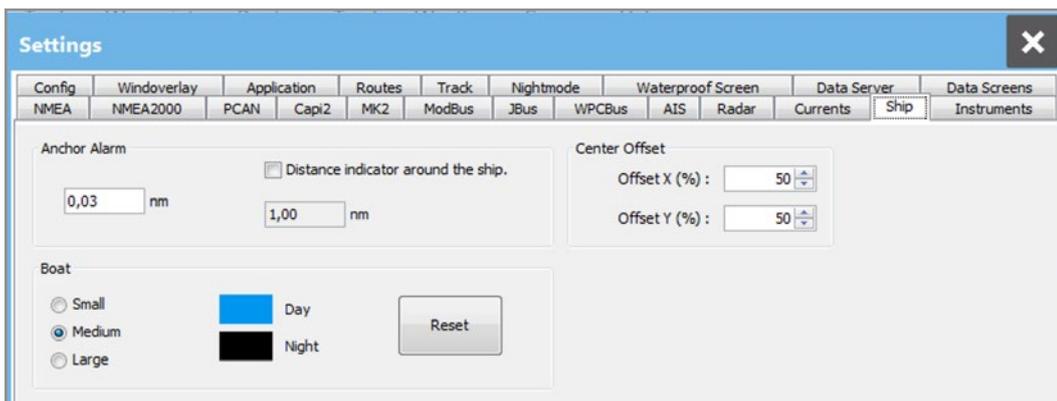
Incomming NMEA messages will be visible here.

Settings Ship

Settings - Ship

You can change the size of the displayed ship model. You can also setup a distance indicator around the boat.

Click the **File** menu go to **Settings** and choose **Ship**.



Anchor Alert

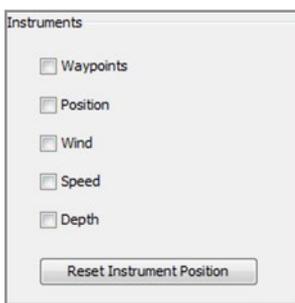
Here you can set up the maximal distance of the anchor alert.

Center offset

With this you can set an offset for tracking your boat with the **center** button. Default setting is 50% by 50%.

Settings Instruments

Click the **File** menu go to **Settings** and choose **Instruments**



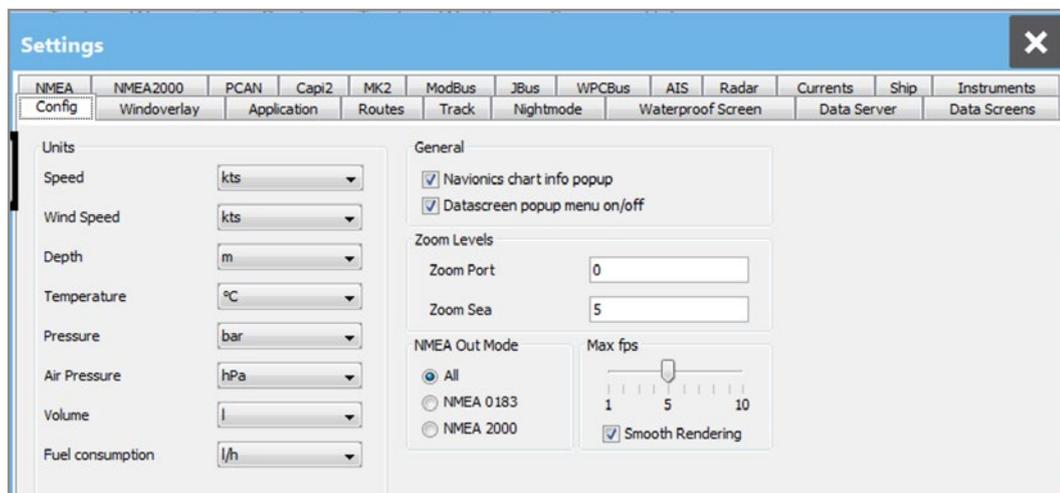
With this you can set which clocks you want visible on your navigationscreen.

Reset Instrument Position Sets the clocks back to their default position.

Settings Config

Settings - Config

Here you can setup how you wish to view certain units in the software. Click the **File** menu go to **Settings** and choose **Config**.



Speed

With speed you can setup how speed and distance is controlled in the program.

- kts With kts the speed is in knots and the distance in Nm.
- km/h With kph the speed is in kilometers per hour and the distance is measured in kilometers.

Wind speed

With this option, you can setup the default unit for wind speed in the program.

- kts With kts the wind speed is shown in knots.
- bft With bft the wind speed is shown on the scale of beaufort.
- m/s With m/s the speed will be displayed in meters per second.

Depth

Here you can set the default unit to display depth with.

- m Depth in meter.
- ft Depth in feet.

Temperature

With this option the unit of temperature is determined in the program.

- °C Temperature in degrees celsius.

Pressure

Here you can set the default unit of pressure to use in the software.

- bar Pressure in bar.

Volume

Here you can set the unit of volume.

- l Liter.

Fuel consumption

Here you can set the unit of usage in the program.

- l/h Liter per hour.

Zoom Levels

Here you can setup several zoom levels.

- Zoom Port
- Zoom Sea

General

Here are several configurations for the program.

Navionics chart info popup

If this box is checked than you will receive navionics information when you doubleclick on a location on the navionics chart. Here will be information about the selected area if this is available.

Datascreen popup menu on/off

If this is checked, the shortcut menu will not be opened in a data screen.

NMEA Out Mode

This can be used to configure which NMEA data can be sent. This is can be used to control your autopilot.

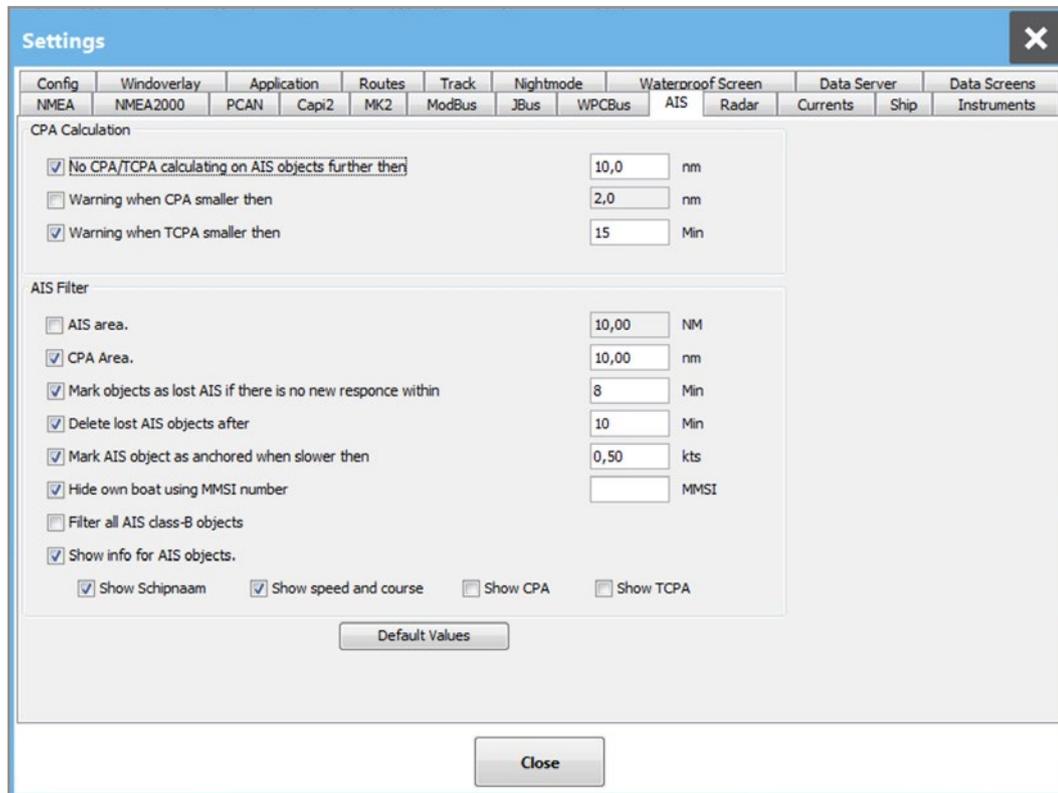
Max FPS

Allows you to configure how many images are displayed per second. You can use the **Smooth rendering** option to show the images smoothly.

Settings AIS

AIS settings

Click the **File** menu go to **Settings** and choose **AIS**



CPA Calculation

With CPA calculation you can calculate the Closest Point of Approach. This is the shortest distance between two AIS objects.

No CPA/TCPA calculating with AIS targets further than

With this option enabled, cpa and tcpa calculation will not occur on targets outside a specified range.

Give warning with CPA smaller than

A colored blinking edge will be shows around the information field around an AIS object if its CPA distance is smaller than the specified threshold.

Give warning with TCPA smaller than

A colored blinking edge will be shows around the information field around an AIS object if its TCPA distance is smaller than the specified threshold.

AIS Filter

Filter AIS information for performance gain.

AIS Area

On: Limit AIS viewing to a certain radius.

Off: Show as much AIS information as is available.

Mark AIS objects as lost after

AIS objects which have not send a new signal for a while will be marked with a stripe through them.

Delete lost AIS objects after

AIS objects will dissappear from the view after a certain passed amount of time.

Mark AIS objects as idle when under a certain speed

AIS objects will be seen as idle ships untill a specified speed has been reached.

Hide own ship, MMSI number

With this you can hide your own ship.

Filter all classe-B ships

With this Class-b ships can be shown/hidden.

Show information for AIS objects

With this information can be shown or hidden of ships on the chart

.

Show shipname

Show the name of the ship.

Show speed and course

With this the speed and course can be shown.

Show CPA

Show Closest Point of Approach.

Show TCPA

Show time untill Closest Point of Approach.

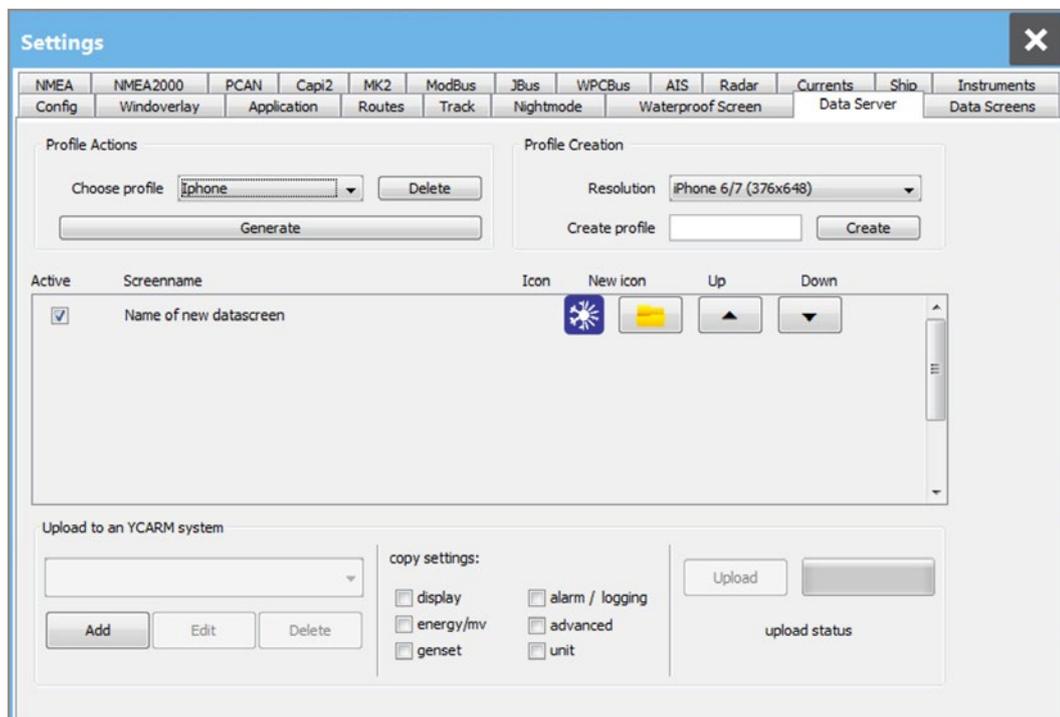
Default values

This will revert all settings back to default.

Settings Data Server

Settings - Data server

You can configure settings to view clocks on your tablet or smartphone. Click the **File** menu go to **Settings** and choose **Data Server**.



Profile Actions

Here you can choose a profile to perform actions on. (Notice: This is hidden when there are no profiles)

Delete

This will permanently delete the profile and rendered data. Datascreens linked to this profile will be removed as well.

Generate

This will generate pages and images. This is required if changes are made to the datascreens to make it appear appropriately on your smartphone or tablet.

Profile Creation

Here you can create a new profile. The **resolution** gives defined resolutions for certain available devices. Choose a resolution, fill in a new and press **Create** to add a new profile.

Informationtable

For every datascreen you can choose whether it is active, this will make it visible for your mobile devices. By pressing the folder icon under **New Icon** a new icon can be chosen for that screen.

This icon will be the logo of that datascreen on the tablet/smartphone.

With the **Up** and **Down** buttons, you can change the button layout.

Upload to an YCARM system

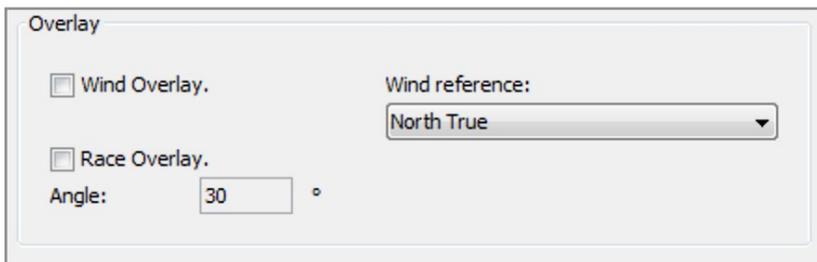
Here the created screens can be sent for use on an embedded screen.

Select a YCARM system and click **Add** to add your data screen to it. If necessary, click **Edit** to adjust the settings. Various items can be switched on under Copy settings. Once the settings have been entered, you can add the data screen via the **Upload** button.

Settings Windoverlay

Settings - Windoverlay

During a competition you want to know exactly what the wind is doing. This is easy with Yachtcontrol Navigation



- 1 Click the **File** menu go to **Settings** and choose **Wind Overlay**.
- 2 Check **Wind Overlay** to show the wind direction on the map.
- 3 Check **Race overlay** and indicate at **Angle** in degrees how high the wind sails your ship.

Result

On the chart you now see arrows which show the wind direction.

If you have selected the Race overlay, than the chart will give you two lines between the active waypoint and your ship. If the lines cross, than you have reached the ideal turnpoint.

Wind reference

Here you can configure which winddata the navigation software should use for calculating the wind overlay.

Settings Application

Settings - Application

Here you can change default configuration options for Yachtcontrol Navigation. Click the **File** menu go to **Settings** and choose **Application**.



The screenshot shows a settings dialog box with the following fields and options:

- Computer id:** Text field containing "PMYUKYHBYD".
- Username:** Text field containing "@yachtcontrol.nl".
- Password:** Text field containing "*****".
- Language:** Dropdown menu set to "English".
- Startup method:** Dropdown menu set to "Maximized".
- Use the login dialog.**
- Save** button.

Computer id

This is the computer id for the pc you are using.

26

Username and password

This is the username and password with which the application is validated.

Language

This is the configured language. Please note that you should restart the program after changing the language.

Startup method

Here you can choose an alternate boot method.

- Maximized - The application will be startup maximized.
- Last configuration - The application will be start up as it was left off last time it was started.
- Minimized - The application will start on your taskbar. Clicking on it will open it up when you need it.
- Full screen - The program will open as large as possible.

Use login screen

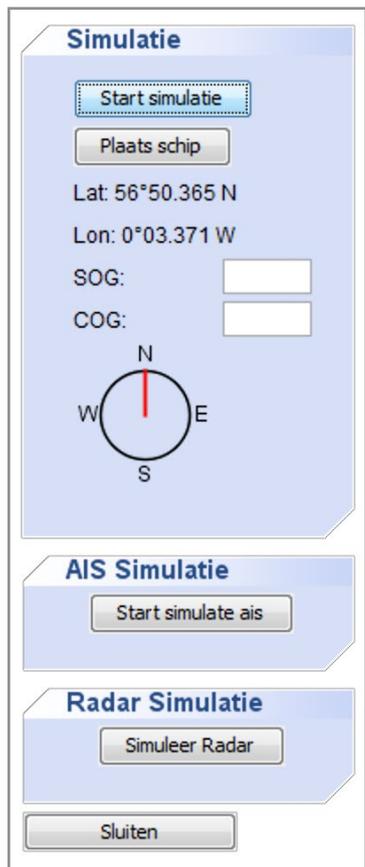
Here you can choose to use the login screen for the application.

Settings Simulation

Settings - Simulation

Click the **File** menu go to **Settings** and choose **Simulation**.

On the rightside of the screen the following panel comes into view.



Before you can simulate, click on the **Place Ship** button, and consecutively placing the ship on the chart. This is the position the ship simulates.

After that, click **Start Simulation**. By clicking in the compass you can change the course. You can

also change the course manually by filling in the **COG**.

You can change the Speed by filling in a value in **SOG**.

This system will also simulate NMEA 2000, tank and engine information in the clocks of the data screens. Furthermore, the radar will also be simulated via the data screens and radar view.

AIS Simulation

By pressing the **Simulate AIS** button, AIS data is simulated in addition to navigation information.

Radar Simulation

By pressing the **Simulate Radar** button, Radar data is simulated in addition to navigation information.

Settings PCAN

Settings - PCAN

This configuration panel is used for coupling with a PCAN bus system. Click the **File** menu go to **Settings** and choose **PCAN**

The screenshot shows the PCAN Settings configuration panel, divided into several sections:

- New Connections:** Includes dropdowns for Type (PCAN_CURTIS), Channel (PCAN_USBBUS1), and Baud Rate (PCAN_BAUD_1M), along with a Connect button.
- Connected Channels:** Features a Channel Handle dropdown, a Release button, and a Working Channel section with Pause and Start buttons.
- Read Messages:** Contains a Read Method section with radio buttons for By Timer (selected) and By Event, and a Show Time Stamp checkbox. Below is a table with columns: Type, ID, Length, Data, and Count.
- Configuration:** Includes a Parameter dropdown (PCAN_DEVICE_NUMBER), a Parameter Value(s) field, a Device Number spinner (0), and Function buttons (Set, Get). A text area provides details: "This parameter is used on PCAN-USB hardware to distinguish between 2 (or more) of them on the same computer. This".
- Information:** A text area with the instruction: "Select a Hardware and a configuration for it. Then click 'Initialize' button".

New connections

Here you can setup a new PCAN connection. Choose a **Channel** a **Baud Rate** and press **Connect**. The system will not try to establish a connection.

Connected Channels

When a connection has been established it will be added to this list.

With the **Release** button you can drop the connection.

With the **Pause** button you can interrupt this connection.

With the **Start** button you can resume an interrupted connection.

Read Messages

Read messages will be displayed here. This allows you to monitor the connection to your device.

Configuration

Here you can set specific configurations of the PEAK-BUS.

Information

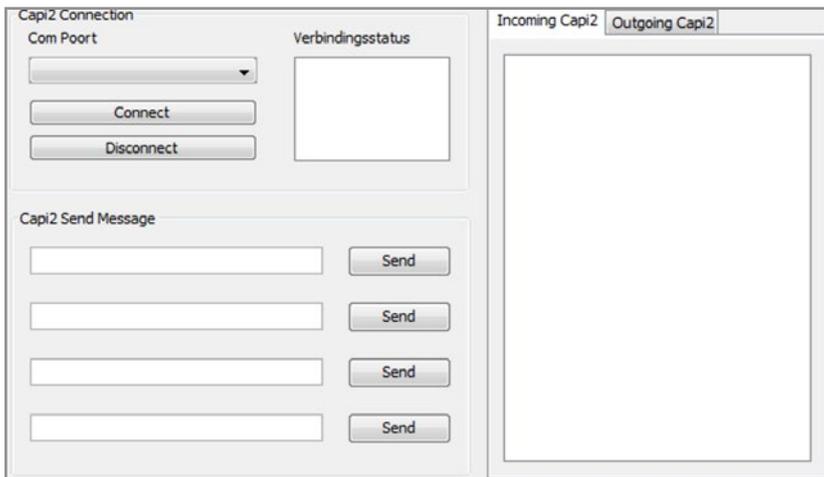
Here information of the driver will be displayed.

Settings Capi2

Instellingen - Capi2

In this screen you can configure your Capi2 devices.

Click the **File** menu go to **Settings** and choose **Capi2**.



Capi2 Connection

Here you can setup a connection with your Capi2 devices.

Com Poort

Choose the Com port where you Capi2 device is connected to.

Connect

Attempt to establish a connection on the selected port.

Disconnect

When a connection is selected, than pressing this button will attempt to terminate the selected connection.

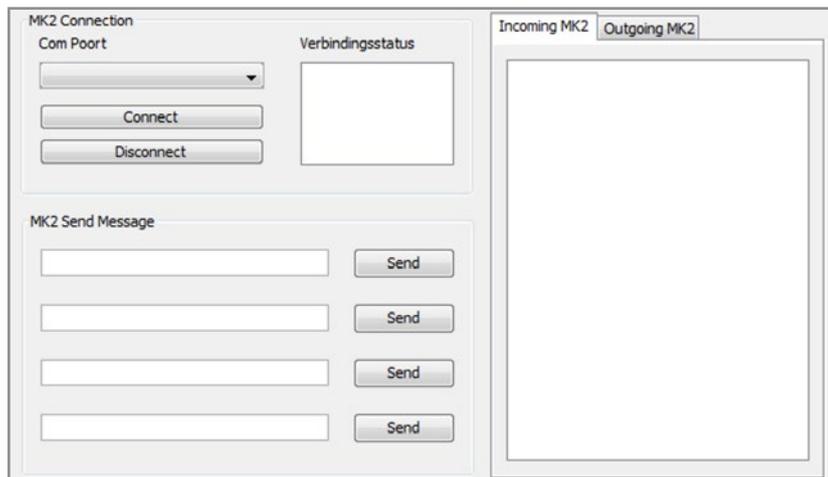
Capi2 Send Message

Here you can manually send a message to the Capi2 equipment when a connection is available. In the panel on the right Capi2 messages will be visible if available.

Settings MK2

Settings - MK2

In dit scherm kunt u uw MK2 apparatuur configureren. Click the **File** menu go to **Settings** and choose **MK2**.



MK2 Connection

Here you can setup a connection with your MK2 devices.

Com Poort

Choose the Com port where you MK2 device is connected to.

Connect

Attempt to establish a connection on the selected port.

Disconnect

When a connection is selected, than pressing this button will attempt to terminate the selected connection.

MK2 Send Message

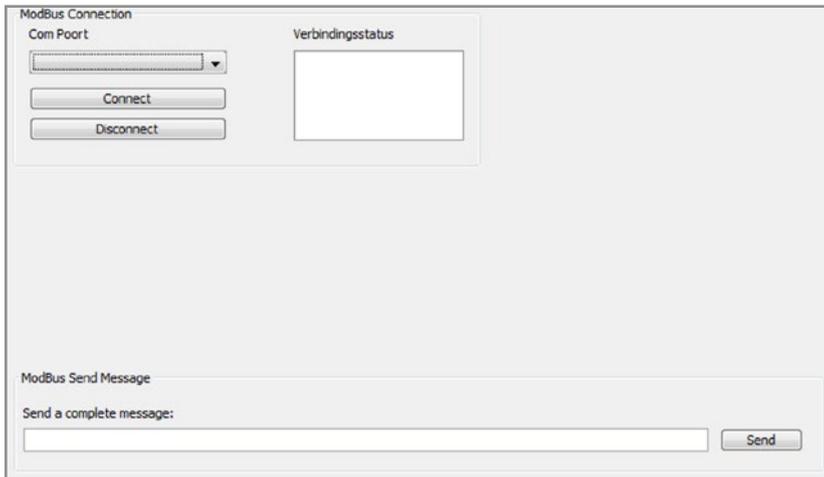
Here you can manually send a message to the MK2 equipment when a connection is available. In the panel on the right MK2 messages will be visible if available.

Settings ModBus

Settings - ModBus

In this screen you can setup a ModBus connection.

Click the **File** menu go to **Settings** and choose **ModBus**.



The screenshot shows a software window titled "ModBus Connection". It is divided into two main sections. The top section, "Com Port", contains a dropdown menu, a "Connect" button, and a "Disconnect" button. To the right of this section is a box labeled "Verbindingsstatus" (Connection Status). The bottom section, "ModBus Send Message", contains a text input field with the label "Send a complete message:" and a "Send" button.

ModBus Connection

Here you can setup a ModBus connection.

Com Port

Choose a Com Port where you want to connect to.

Connect

When a Com Port has been chosen, you can press **Connect** and the software will attempt to establish a connection.

Disconnect

If on the right panel a connection is selected, than pressing **Disconnect** will attempt to terminate this connection.

ModBus Send Message

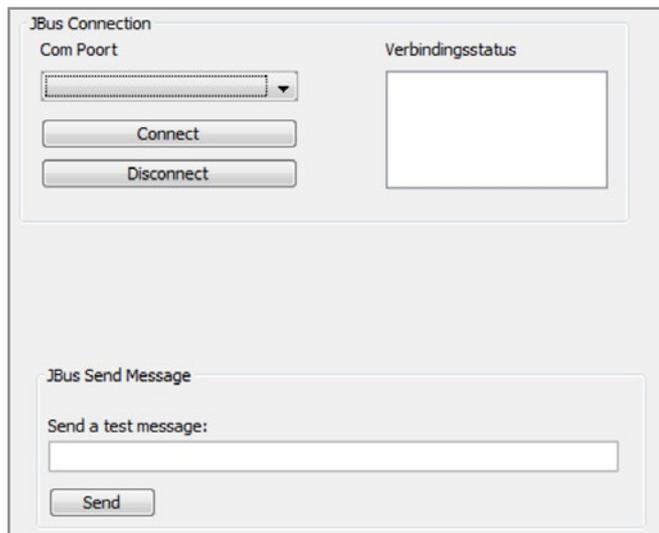
Here you can manually send messages into any active ModBus system.

Settings JBus

Settings - JBus

In this screen, you can setup a JBus connection.

Click the **File** menu go to **Settings** and choose **JBus**.



JBus connection

Here you can establish or disconnect the connection. Here you can choose a com port. If you have chosen a com port, and then press **connect**, the system will try to open a JBus connection on that com port. If a connection is selected in the right window, you can press the **disconnect** button to close this connection.

JBus Send Message

Allows you to send a message on the JBus system if connections are present. Press the **Send** button to send your message.

Settings WPCBus

Settings - WPCBus

In this screen you can setup a WPCBus connection.

Click the **File** menu go to **Settings** and choose **WPCBus**.

The screenshot shows the WPCBus Settings window. It has a light gray background and is organized into several panels. The top-left panel is titled 'WPCBus Connection' and contains a 'Com Poort' dropdown menu, a 'Connect' button, and a 'Disconnect' button. To its right is a 'Verbindingsstatus' field. Below this is the 'GenSet Connection' panel, which has a similar layout with a 'Com Poort' dropdown, 'Connect' and 'Disconnect' buttons, and a 'Verbindingsstatus' field. The middle section is 'WPCBus Send Message', which features a table of fields for constructing a message. The table has two columns: 'frame_header' and 'frame_data'. The 'frame_header' fields are: start_byte (1 byte, AA), frame_flags (1 byte, 00), src_addr (4 bytes, PARALLEL), dest_addr (4 bytes, WPC 1), data_length (2 bytes, ----), and header_checksum (2 bytes, ----). The 'frame_data' fields are: flags (1 byte, 00), service_id (1 byte, Read), object_type (2 bytes, Parameter), object_id (4 bytes, Maximum AC Current), property_id (2 bytes, Value QSP), property_data 1 (N bytes, ----), and data_checksum (2 bytes, ----). There is a 'Send' button below the table. The bottom section is 'GenSet Send Message', which has a text input field containing '80008100F701000000' and three buttons: 'Send', 'Start', and 'Stop'. On the right side of the window is the 'Battery Info' panel, which has two radio buttons: 'Battery Info From WPCBus' (which is selected) and 'Battery Info From BSI500'. Below the radio buttons is a red warning message: '(software restart required!!!)'. The top-right corner of the window has a 'Verbindingsstatus' field.

Com Port

Here you can manually setup a connection with your WPCBus.

Choose the right COM port in the dropdown menu, and press **Connect** to try and establish a connection. Press **Disconnect** to try and terminate an active connection.

At *connectionstatus* you can see what the current status is.

GenSet Connection

With this you can set up a GenSet connection. At the dropdown menu, choose the right Message COM-port, and then press the **connect** button to open a connection, or **disconnect** to terminate a connection. In the right panel you can see the current status.

Battery Info

Here you can choose where battery information should originate from.

Warning! If you make a change, the software will need to be restarted before the changes may take effect.

WpcBus Send Message

Here you can manually send message.

GenSet Send Message

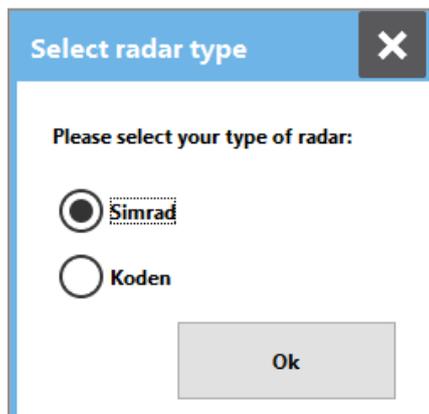
Here you can manually send GenSet messages.

Settings Radar

Settings - Radar

In this screen you can set up a Radar connection.

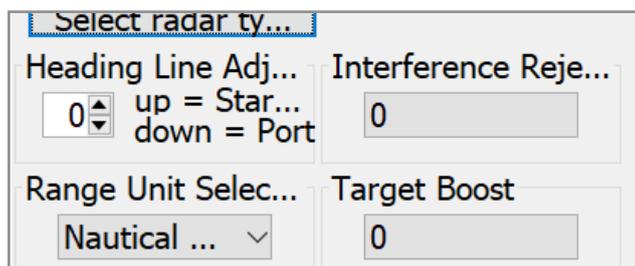
Click the **File** menu go to **Settings** and choose **Radar**.



Select radar type

Press the **Select Radar Type** button. In this window you can choose a Simrad or Koden radar type. Press **Ok** to confirm your choice.

Settings - Simrad Radar



Setup course line

After installation, the radar needs calibration. With this function, you can set a turn of the image, to match the 'forward' with the front of your ship.

Range Unit Selection

Make a choice for display in Nautical miles or in kilometers.

Interference Rejection

Radars on other locations and ships can cause disturbances on your radar display. Set the value with which these signals are filtered.

Target Boost

Set here the strength of your radar signal.

Settings - Koden Radar

Send a radar command

Here you can directly send a message to the radar.

Only use this on request of our technical support staff in case of a malfunction.

Parking Position

This is ment for open radar domes. A value here (between 0 and 1000) can determine where the radar should 'park'. This can be used to align the radar in a nice position when you are not making active use of it.

Performance

Here you can configure the following:

- Resolution: Allows you to set how detailed your radar images are.
- MBS: here you can enable/disable MBS.
- Trail: Show a faded tail on your radarline.
- Fill points: Fill unknown points.
- Quick rotation: Rotate quicker.
- Refresh speed: Refresh rate of the radar image.
- Guard zone: Receive alarms about ships that are within a zone.

Default Values

Default values for the automated settings of the radar controls. Press the button **Default Values** to set the values back to their initial settings. **Max MBS** is uses a radius to filter out the echo of your own ship off the radar image.

Radar colour

Color of the radaroverlay, the radarimage on the popupscreen and the radarimage on the outside screen.

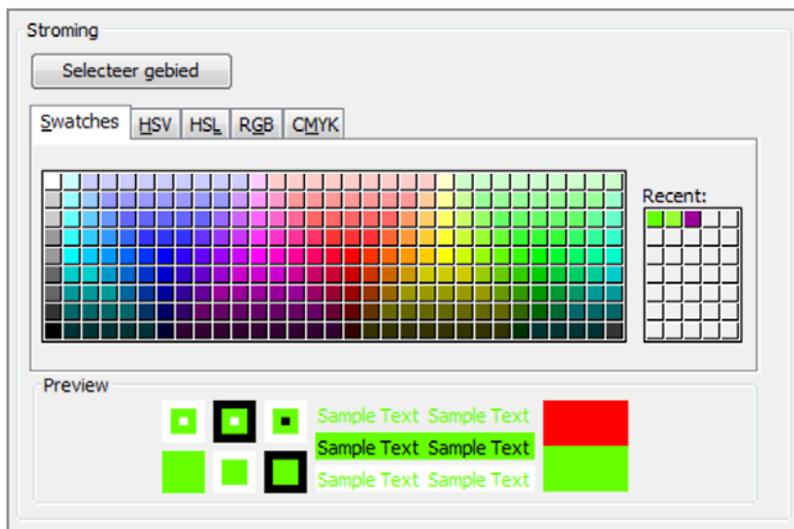
Setup course line

After installation, the radar needs calibration. With this function, you can set a turn of the image, to match the 'forward' with the front of your ship.

Settings Currents

Changing the currentssettings

Click the **File** menu go to **Settings** and choose **Currents**.



Select Area

You will see a screen where you can select an area of where you wish to receive currents and tideinformation.

Colourpicker

You can choose the colour of the current arrows as they are shown on the chart.

Polar Diagram

Polar Diagram - Choose boat

In this screen you can choose an active Polar Diagram, or you can see predefined polar diagrams.

Click the **File** menu go to **Settings** and choose **Choose boat**.

Search for your boat:

Sail number	Shipname	Owner	Type
6127	Falkenstein AB...	B. Honscheid	Sun Fast 3200
3888	ACE	A.P. Moerman	BH 36
4669	RIFETJE	H.C. Innemee	Banner 41
6385	VIAVAI	B. Sprui	X-362 Sport
6890	CAPOLAVORO	T.F.B.M. ten K...	Spirit 36
7177	Kind of magic	H.M.R. de Jona	Koopmans 40x...
7427	Puppis	P.J.A. School	First 31.7
7195	ANIMAL	J. Hollestelle	Flan 31
7159	Liahtnina	R.C. Zeedijk	Dehler 36
6801	Paradiso	J.W. Aaterhof	Grinde820x1.70
6431	CHASSEUR	J. de Jader	First 31.7
6392	Grace	V.M. Caminada	Dehler 39 *1.90
5737	Spirit lady	J. Dijkstra	MG 38

	Be...	Be...	R52	R60	R75	R90	R110	R120	R135	R150	Ru...
6 kt	45.3	3.15	4.93	5.32	5.65	5.56	5.48	5.28	4.65	3.88	3.36
8 kt	45.0	3.90	6.0	6.27	6.47	6.48	6.51	6.37	5.88	4.99	4.37
10...	41.9	4.42	6.52	6.74	6.90	7.00	7.05	6.94	6.58	5.69	5.18
12...	40.2	4.71	6.83	7.05	7.23	7.29	7.46	7.35	7.04	6.59	5.88
14...	38.4	4.91	7.00	7.25	7.49	7.47	7.83	7.72	7.42	7.02	6.43
16...	37.6	5.04	7.12	7.36	7.70	7.71	8.13	8.07	7.77	7.38	6.86
20...	37.5	5.15	7.24	7.5	7.89	8.12	8.39	8.66	8.43	8.04	7.53

Save... Close

Find your ship

In this top of the screen is the label 'Find your ship' with a input. Here you can type words seperated by spaces to filter the table below.

Table

In the table is a large list of boats with known polar-diagram data. You can select a boat by double clicking it. Below is an overview of the data which is available of your selected ship. On the right is a graphical representation of this data.

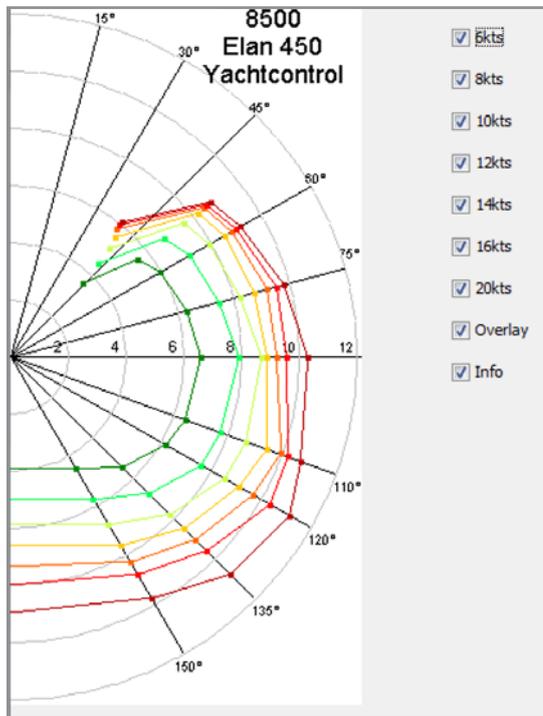
Save selection

Do you want the ship visible on your datascreens, or change these? Than you can save this data. *Please note that only 1 polar diagram can be active at one time. Any previous selected polar diagram is overwritten.*

Polar Diagram - Show Polar Diagram

Here you can see your Polar Diagram.

Click the **File** menu go to **Settings** and choose **Show Polar Diagram**.



The polar diagram

When a polar diagram is selected, you can find the polar diagram here. On the top right is your sailnumber, type of ship and shipsname. The diagram is scaled to a relative topspeed of your ship.

On the right are a few filters where you can enable and disable lines. The 6kts and 20kts hide the polar lines. Overlay hides the lines and with info you can hide the text.

Polar Diagram - Edit polar diagram

In this screen you can edit selected Polar data.

Click the **File** menu go to **Settings** and choose **Edit polar diagram**.

Suppose your ship is not available in the default list of data, but you do find a similar ship type / builder. You can easily choose to load this ship, and edit the values to your own ship.

Basic information

Here you can edit information about your ship such as shipname, owner and depth.

Polar data

Here is all the polardata. Suppose you have a completely different ship than all polardata has available. You can fill this in and use it in the polar diagram view and the polardata on your datascreen.

Save

When you have made changes to the data, press save to store your data.

Navigation menu

With the menu Navigation you can enable/disable chart overlays and access basic chart functions. Click the menu **Navigation**.

Zoom in/out

Zoom 1 step on the chart.

Zoom Port / Zoom Sea

With this button you can quickly switch between predefined zoomlevels for port and sea.

(See: file > settings > config)

Pan / Zoom mode

- On: You can use the left mousebutton to drag the chart.
- Off: You can select a zoom area with the left mouse button.

Find schip

The chart is centered on the position of the ship once.

Centering (on/off)

- On: The chart 'follows' the position of the ship.
- Off: The chart does not follow and has to be manually moved.

North Up / Heading Up

Switch easily between North-up / Heading-up.

Toon Magn. Heading line

Display the line of the magnetic heading.

Distancemeasuring (on/off)

You receive course and distance from your ship to your mouse cursor.

Scale (on/off)

With this function the label on the bottom is enabled/disabled with distance scale.

Clean up

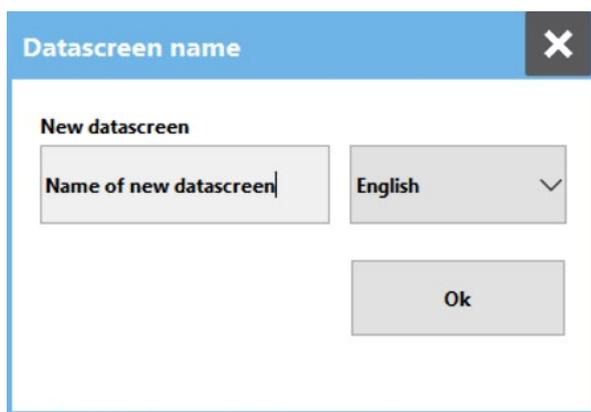
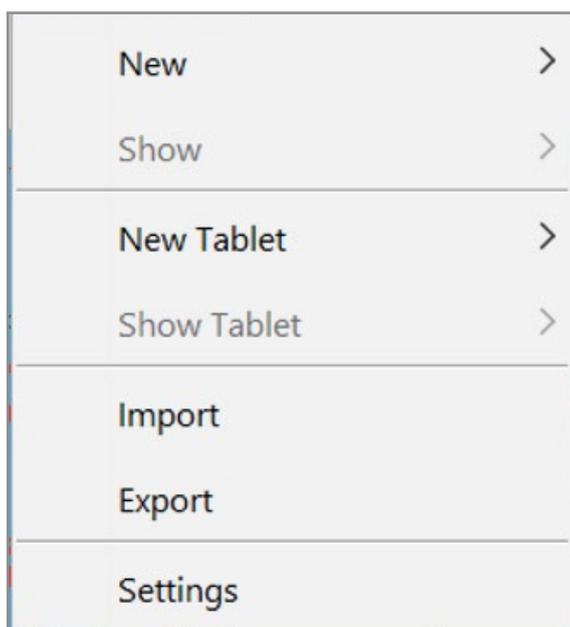
All waypoints and routes and hidden. The waypoints and routes are not deleted.

Zoom In	+
Zoom Out	-
Zoom Port	
Zoom Sea	
Pan/Zoom Mode	
Find ship	
<input checked="" type="checkbox"/> Center (on/off)	
North Up/Heading Up	
Show Magn. Heading Line	
Distance (on/off)	
<input checked="" type="checkbox"/> Scale (on/off)	
Clean Up	

Datascreens menu

With the menu datascreens you can create panels which can hold clocks. These clocks can contain a lot of diverse information such as navigation information, radar imagery, camera imagery and NMEA 2000 information.

Notice! When the datascreen menu is grayed out: Than please go to Help > maintenance to go to maintenance mode before modifications are possible.
Click the menu **Datascreens**.



New panel

With **New** you can choose for an entirely new datascreen. Enter the name with which the panel can be recognized. Select the language of the new data screen and press **OK**.

Show

A datascreen can be hidden from view by deleting this, or hiding it. Deleting is permanent. But once a panel is hidden it can be shown at any time. A hidden datascreen is still accessible by network, and does not have to remain in view for it to function. A screen with a check in front of it is visible. By clicking on the screen, the setting is toggled.

A panel for tablet or smartphone

Create profile

Do you already have a profile for your smartphone or tablet? Then skip this step. First we go to **File > Settings** and then choose **Data Server**. In the upper right corner you will find 'profile creation'. Choose under 'resolution' a device which screen size corresponds to the hardware where you want to see the data screen. Choose an appropriate name for this panel, and enter it at 'Create Profile'. Now press **Create**. The profile has been created.

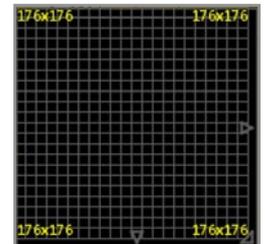
Create data screen for Tablet or smartphone

If you are creating a data screen for a tablet or smartphone, go to **Data screens > New Tablet > New**. Under 'profile' select the profile that was created in the previous step. Choose an appropriate name for the screen you are going to design. In the final product you get a button in an overview. This name is shown at the button.

A datascreen in design mode

Right-click on the data screen and select **Design mode** from the pop-up menu. A data screen can be edited in design mode with the following functions:

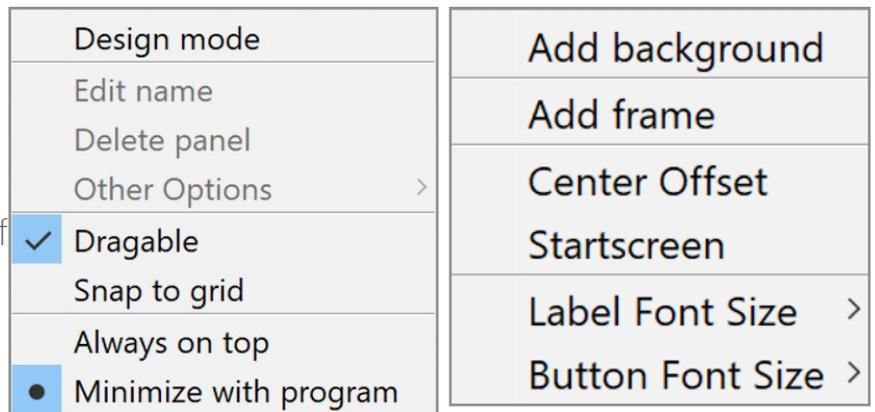
- **Dragging:** By dragging the panel with the left mouse button, you can reposition the panel. Similar to dragging the titlebar of conventional programs in windows.
- **Dragging a clock:** A clock can be dragged with the left mousebutton, this will reposition the clock on the datascreen. *Notice: A camera image clock can only be dragged by the border on top/bottom*
- **Create clock:** In design mode a clock can be added by clicking on an empty cell. This opens the clock editor. *(Note: if there is not enough space for a clock, nothing will happen!)*
- **Edit clock:** By double clicking on a clock in design mode it can be edited.
- **Resize:** By dragging the right or bottom border the panel can be resized. By using the bottomright corner, this can be done in both directions at the same time.



Datascreen Quick menu

The quick menu can be accessed by right clicking anywhere in the datascreen.

The quick menu gives a couple of usefull features for managing the datascreen.



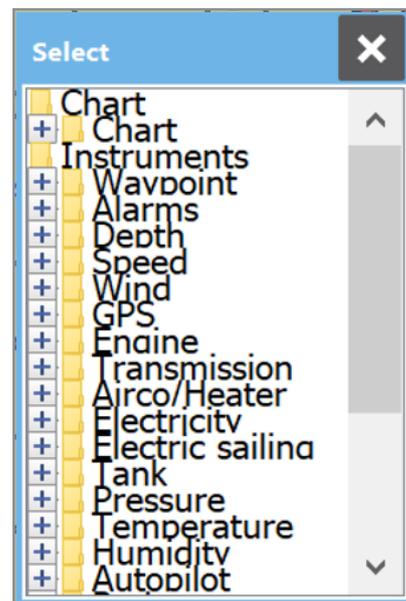
- **Design mode:** Toggle design mode on/off. Once enabled, the datascreen can be edited.
- **Edit Name:** With this option, the name with which this panel is recognized can be changed. (*Only in design mode*)
- **Delete panel:** Permanently remove this datascreen (*Only in design mode*)
- **Other options:**
 - **Add background:** Here you can add a picture as background to the panel.
 - **Add frame:** Allows you to give the panel a frame or rounded corners.
 - **Center Offset:** This has influence on the position where the boat is positioned when using the center function.
Please note that this counts with the standard offset which can be configured under File > Settings and then Config.
 - **Startscreen:** If you have multiple data screens you can indicate which data screen is shown at start up.
 - **Label fontsize:** Here you can change the size of the labels.
 - **Button fontsize:** Here you can increase/decrease the size of text on buttons.
- **Dragable:** If this option is on, the panel can be dragged. This is also possible if the panel is not in design mode.
- **Snap to grid:** This option will attempt to align the panel on a hidden grid. This is used to make the panel nicely align with the edge of the screen.
- **Always on top:** With this option the panel will always be on top, including in front of other applications.
- **Minimize with application:** With this option, the data screen will only remain in the foreground of Yachtcontrol Navigation, so other programs are covered. Furthermore, this data screen minimizes Yachtcontrol Navigation.

Making a clock

To make a clock, click in a place on the data screen. Make sure that the panel is in design mode and that there is enough room for the clock. The clocks are built by using the box where you clicked as the upper left corner.

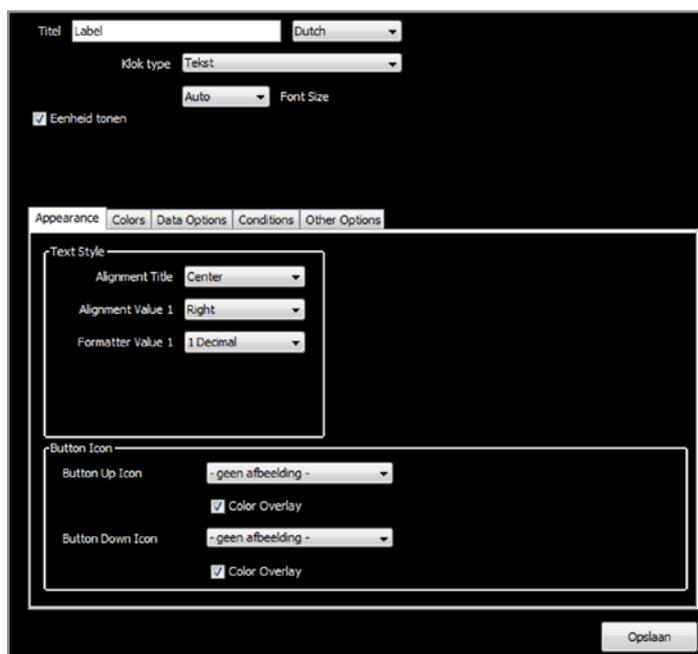
If sufficient space is available, a new window will now be shown where a type of clock can be selected.

The clocks are divided into several categories: Waypoint, Alarms, Depth, Speed, Wind, GPS, Engine, Transmission, Airco / Heater, Electricity, Electric Boating, Tank, Pressure, Temperature, Humidity, Autopilot, Radar, Camera, Date, Text, Proprietary, Bus system, Audio and Data screens.



The clock editor is started by selecting a clock. The editor will show more or fewer options if the clock type is changed. The editor has the following options by default:

- **Title:** Here the title can be given a text.
- **Show unit:** Displays or does not show the unit at the bottom right of the clock.
- **Language:** Allows a language to be selected.
- **Clock type:** Some clocks can sometimes be displayed differently. Think of speed that can be digital and analogue. Or SOG that can be shown as a graph.



Appearance

Generale dimensions can be set at Appearance. In the example, the appearance tab of an analog clock is shown. Here a number of large and small distributions can be made (these are the short and long dashes on, for example, a speedometer). The text style indicates how and where the title should be visible, and how the value should be formatted.

The screenshot shows two panels. The 'Text Style' panel has three dropdown menus: 'Alignment Title' set to 'Center', 'Alignment Value 1' set to 'Right', and 'Formatter Value 1' set to '1 Decimal'. The 'Verdeling' panel has two input fields: 'Grote verdelingen' set to '4' and 'Kleine verdelingen' set to '4'. Below these is a 'Needle' section with a 'Type' dropdown menu set to 'Needle'.

Colors

Here is an example of how to edit the colors of an analog clock. There are 10 text fields when a color has to start and end. In the example, the speed in the yellow part between 3000 and 3500 rpm, and in the red section between 3500 and 4000. You can also set the color of the label text here.

The screenshot shows two panels. The 'Kleur verdeling' panel is a table with columns 'min' and 'max'. It has five rows with color names and corresponding values: 'Laag rood' (0.0 to 0.5), 'Laag geel' (0.5 to 1.0), 'Groen' (1.0 to 5.5), 'Hoog geel' (5.5 to 6.0), and 'Hoog rood' (6.0 to 8.0). The 'Label Color' panel has two radio buttons: 'Text Color 1' (selected) and 'Text Color 2'.

Data Options

Here, certain data options can be changed per clock. In this example, a minimum and maximum are defined between which the analog clock operates.

The screenshot shows a 'Range' panel with two input fields: 'Min. waarde' set to '0.0' and 'Max. waarde' set to '8.0'.

Conditions

Automatic links between buttons can be set here.

Other options

Here you can set remaining options, such as a factor with which the value in the clock has to be multiplied, and what offset it can have. Also in this example the 'show digital value' can be switched on or off, then the digital value is or is not shown.

The screenshot shows a panel with three groups of settings. Each group has a 'Device' dropdown menu, an 'Instance' dropdown menu, and an 'Id' dropdown menu. The first group has Device 2, Instance 2 (Automatisch), and Id 2 (1). The second group has Device 3, Instance 3 (Automatisch), and Id 3 (1). The third group has Device 4, Instance 4 (Automatisch), and Id 4 (1).

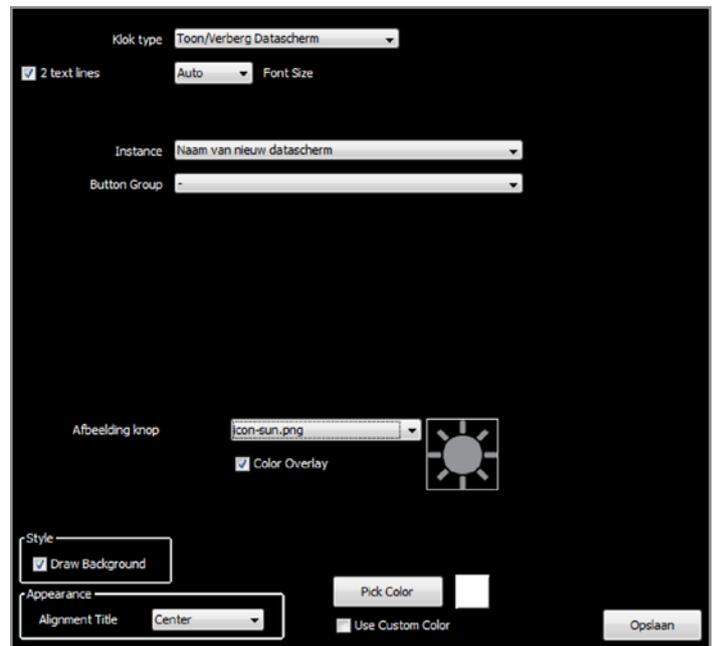
Save

By pressing the **save** button, the clock is added to the panel.

Create a button

Under operation are clocks that your boat systems or your data screens can control from your computer. Buttons such as these can be used to hide or reveal Datascreens.

- With **Instance** you can choose which Datascreen is controlled with this button.
- **Button group** for grouping buttons so that only one button per group can be active.
- With **2 text lines** the name of the data screen is projected over 2 lines on the button.
- With **Image** button you can set a predefined image for the button. Color Overlay ensures that images are displayed in the set theme color.
- With Style **Draw Background**, the background of the image can be turned on or off.



Display of data screens

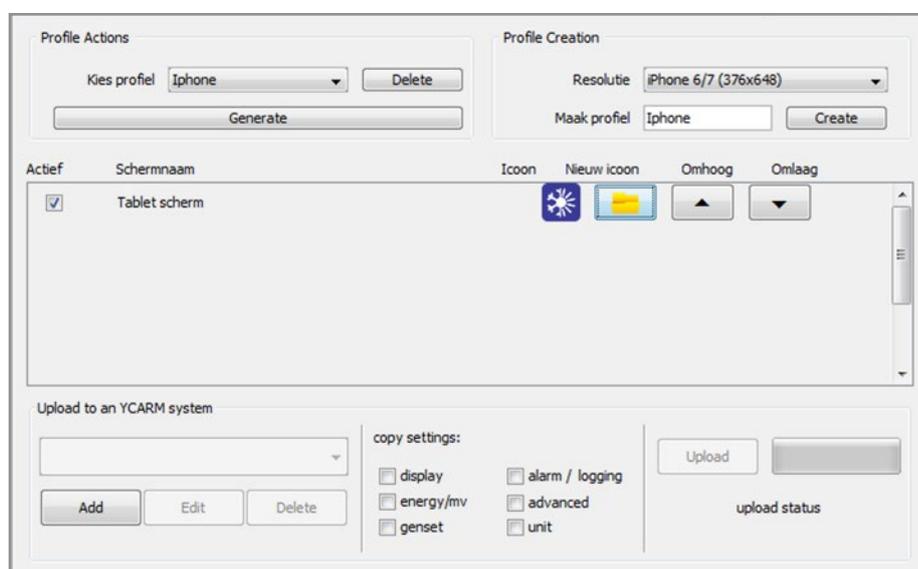
After you have made all your clocks, we are ready for the next step.

Press the right mouse button in your data screen (also on a clock). And choose **Design Mode**. The design stripes are removed from the panel and the clocks. The back ground is now blue. It looks a lot more sophisticated.

If you do the right click with the mouse, and the menu does not come up? Then go to File> Settings and choose 'config'. Check that with 'Data screen popup menu on / off' is checked.

Create a data screen Tablets and smartphones

Press right again on the screen, and choose **Create Icon**. This creates an icon for this screen. We will now hide the datascreen, and ensure that these are ready to be called by means of the data server. In other words, that you can view them from your smartphone and / or tablet.



Go to Datascreens> Show Tablet and choose your data screen. This is now disappearing from the screen. Now go to **File > Settings** and choose **Data Server**. Under 'Profile Actions', choose your profile that you made at the beginning. Before you click on generate, look at the overview below. Here all data screens with this profile are displayed. You can assign them a sequence, and custom icons. You can also make data screens inactive, then they are no longer visible your smartphone / tablet. Now press **generate**. For each clock is now stored which data it needs, and all images are made to measure. At the bottom of the screen is the address where you can go to your smartphone or tablet with the standard internet browser to view your clocks. Make sure your tablet or smartphone is in the same network and that Yachtcontrol Navigation is on.

View data screen on tablet or smartphone

Before we start, check that your mobile device is on the same wireless network as the system running Yachtcontrol Navigation. You go to **File > Settings** and choose **Data Server**. Choose the profile for which you want to view the data screens.

Outdoor data screen

Drag the data screen to the position where you want it. You can always go to design mode and adjust the size of the panel. If the panel is almost entirely good state, then press with a right mouse on the panel, and choose **snap on grid** the screen on a grid will align neatly on the edge.

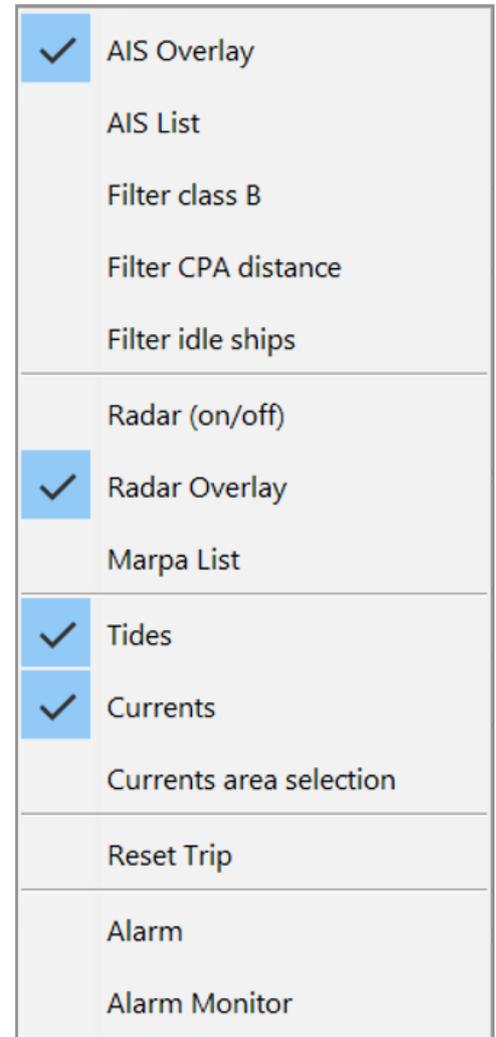
By carefully right-clicking again and selecting **Draggable**, it is no longer possible to drag the data screen. Your data screen will stay in the exact position.

By clicking the right button again and choosing **Design Mode**, the grid becomes is invisible and gets the right background color.

Tools menu

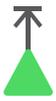
With the menu Tools you can access the following options:

- **AIS Overlay (on/off):** With this option AIS can be enabled or disabled. This can show AIS information on the chart.
- **AIS List:** This option opens a dialog with AIS information.
- **Filter B class:** With this B-class ships can be filtered on the chart.
- **FilterCPA distance:** With this the Closest Point of Approach can be set.
- **Filter idle ships:** With this ships which are idle can be filtered on the chart. The radius for this can be configured at File > AIS.
- **Radar (on/off):** Radar controls are shown at the bottom of the chart screen.
- **Radar overlay (on/off):** The radar image is projected over the chart to give an image of your surrounding.
- **Marpa list:** With this a Marpa list can be shown. By selecting a 'Marpa' target you can track it on your radar image.
- **Tides (on/off):** Layer with tide stations shown on chart.
- **Currents (on/off):** Current information shown on the chart.
- **Currents area selection:** With this an area can be selected in which currents and tides can be calculated.
- **Reset trip:** With Reset trip, the current trip is reset.
- **Alarm:** Here you can setup alarms.
- **Alarm Monitor:** The alarm monitor is intended as a small popup on your screen which you can quickly bring to your alarms.



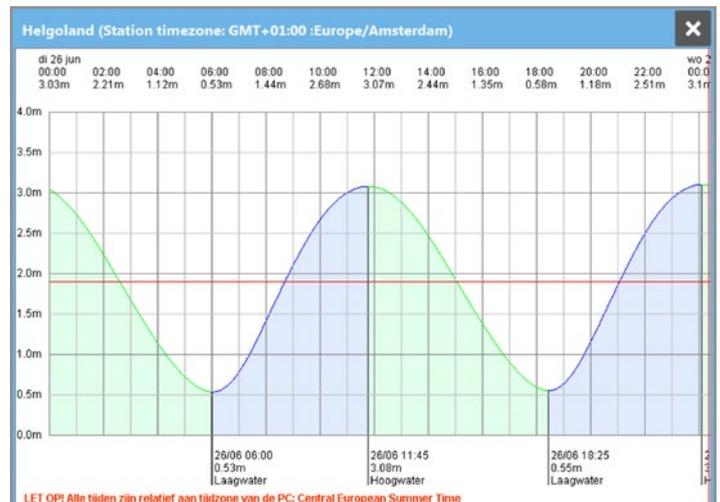
Currents and Tides over the chart

Go to the **Tools** menu and select **Tides** or **Currents** to turn the currents and tide layers on or off.



Tidestations

By clicking on one of the tide stations you get a graphical representation of the water level for 48 hours from the selected moment.



Currents arrows

By clicking on a flow arrow the following information can be seen:

- Reference plane
- Time (relative to HW reference plane)
- Water level for reference plane
- Current speed (for death and spring tides)
- Current direction



Radar

Go to the **Tools** menu and select **Radar (on)**. you will have access to the following controls:

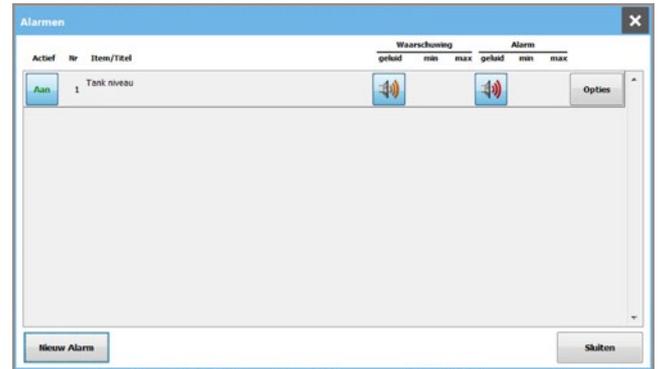


- **Hide:** With this button, the operationpanel slides down as far as possible to give you more space for navigating, or viewing the radar image.
- **Radar Popup:** This hides the navigation chart in favor for a radar screen. The line in the middle should be calibrated to your courseline. In this screen, waypoints routepoints and AIS targets also appear.
- **Transmit:** The actual transmitting of the radar on/off.
- **Reach:** Set the reach of the radar.
- **Gain:** With the gain option, you can set the sensitivity of the receiver of signals and amplitudes. The values for automatic tuning is configurable through File > Settings > Radar.
- **Tuning:** Here you can tune the radar between two settings: Coarse and Fine. You can also choose Auto, to try and let the system figure out that seems best. On first use of the radar, you can set the auto value of tuning by putting it on Coarse tuning and sliding the value down untill the quality of the image goes down. Then slide back up untill the quality goes down again. Then go to File > Settings > Radar and at Auto Tune fill in those two values. (On average this calibration should be done about once a year to make sure your radar has the best image quality)
- **Clutter:** The option Harbour is used in the situation where a lot of strong echo's are visible from nearby structures. The value Harbour clutter is found in File > Settings > Radar.
- **Alpha:** The slider Alpha is used to determine the transperancy of the radarimage on the chart.

Alarms

Alarms overview

Go to the **Tools** menu and select **Alarms**. Here alarms can be set and this overview shows all alarms that are active. A line is added per alarm. With this alarm you can press a number of functions. First you can press **ON** to disable the alarm. If it is disabled, you can press **OFF** to turn the alarm on. You can also press the speaker icon to mute the sound of the relevant alarm. You can edit the alarm by pressing **Options**.

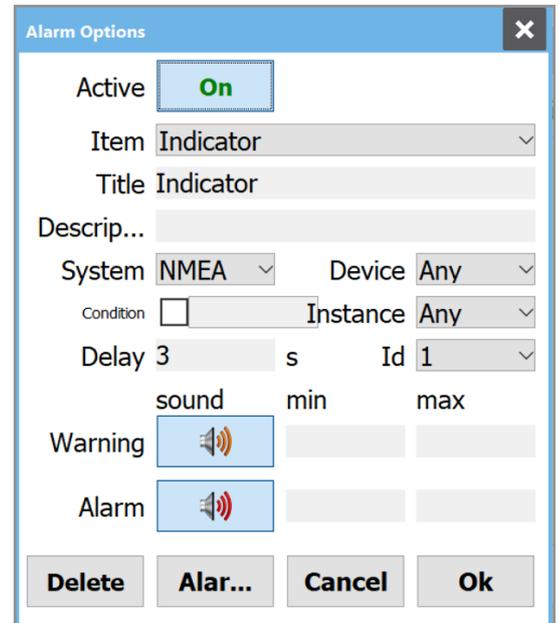


New Alarm

By pressing the **New Alarm** button, the alarm editor is started.

Notice! A alarm can only be added or edited when in maintenance mode (see help -> maintenance).

- **Active:** This is a toggle button. An alarm can be ON or OFF.
- **Item:** Here you can determine what this alarm concerns.
- **Title:** The name with which you can recognize the alarm.
- **System:** Which system this alarm should apply to. In the example we are using the SOG from NMEA. This could also be used from for: NMEA, Curtis, Capi2, Czone or JBus.
- **Device:** From which device is the information retrieved.
- **Instance:** From which source is the information.
- **Warning:** With sound, a toggle button indicates whether or not a sound should be played. At min and max values can be set. If the value of the item that is set for an item comes between the min and max values, a warning is given.

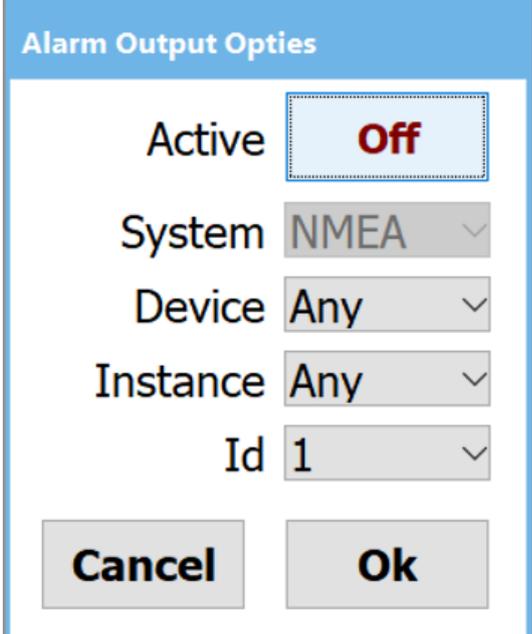


Alarm editing - Alarm out

Here the alarm can send a signal to other systems.

Pay attention! An alarm can only be added or edited as Yachtcontrol Navigation maintenance mode (see Help-> Maintenance).

- **Active:** Whether this output is active or not..
- **System:** On which system should output be given.
- **Device, Bron and Id:** Here a specific device can be specified.



The screenshot shows a dialog box titled "Alarm Output Opties". It has the following fields and values:

Active	Off
System	NMEA
Device	Any
Instance	Any
Id	1

At the bottom, there are two buttons: "Cancel" and "Ok".

Alarm Monitor

The alarm monitor is a small popup dialog which can quickly bring you to the alarm overview.

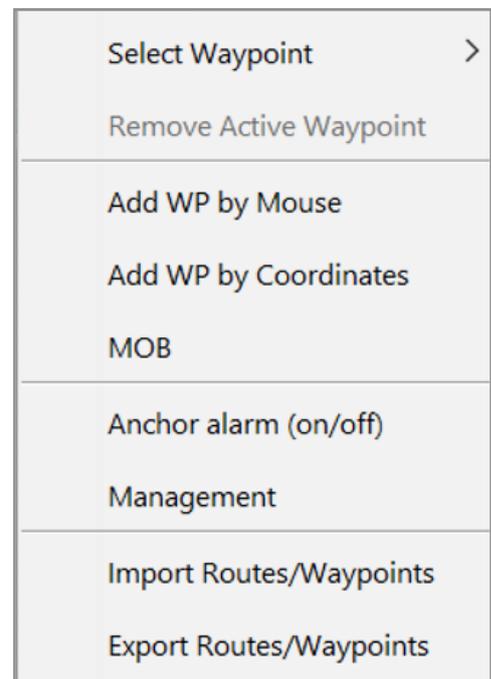


- **LED:** When the LED is flashing, something requires your attention. Click the Alarm Manager and examine what is the matter.
- **Sound:** With the sound icon you can mute all alarms. Please be carefull with this, because alarms making sound usually have a reason to do this.
- **Alarm Manager:** With this button you can quickly go to the alarm overview. This function is the same, as pressing Tools > Alarms.

Waypoints menu

With the menu Waypoints you can add and manage waypoints.

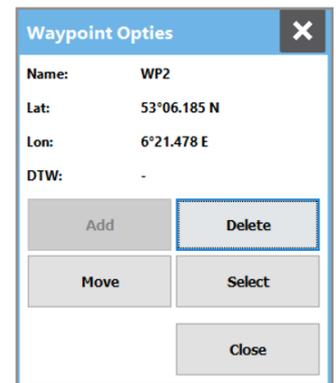
- **Select Waypoint:** Choose a waypoint to activate it in the menu that appears.
- **Remove Active Waypoint:** The current active waypoint is deleted.
- **Add WP by mouse:** Make a waypoint and add it to the chart.
- **Add WP by coordinates:** Make a waypoint by filling in a name and coordinates.
- **MOB (Man over board):** A new special waypoint is added and immediately activated.
- **Anchor Alarm:** This will enable/disable anchor alarm. A check in front of this means the anchor alarm is activated.
- **Management:** Here you can show/hide, create, edit and delete waypoints.
- **Import Routes/Waypoints:** Here you can import waypoints and routes.
- **Export Routes/Waypoints:** Here you can export routes/waypoints.



Waypoints and routes

After you have placed a waypoint or a route, you can quickly edit or select it by clicking on the waypoint icon. The next screen appears:

Enter a positive number to add the waypoint to a new route. A negative number will not be taken into account when creating a route.



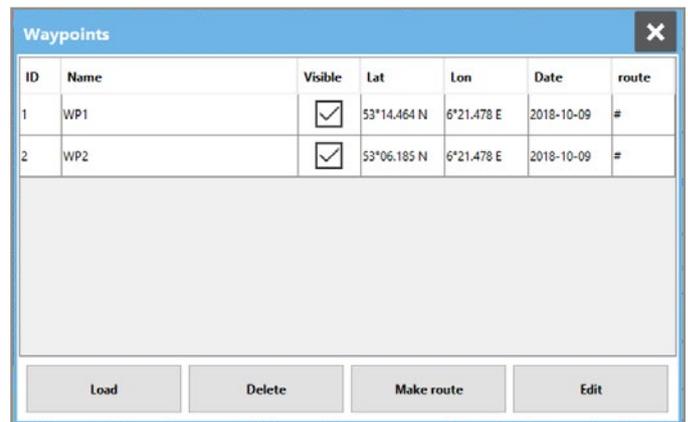
Man overboard

If there is a problem, you obviously want to know exactly where things are going wrong, so that you can quickly return to the right place.

Click on the menu item **MOB**. This can be found via the **Waypoints** menu. That is enough to make a waypoint of that location. The waypoint is automatically selected so that you immediately set course to this point. Do you not see a MOB waypoint on the map? Then the flag is probably 'hidden' behind the boat. Zoom in on the map for more details.

Management of waypoints

- **Load:** The selected waypoint is shown on the chart.
- **Delete:** The selected waypoint is deleted.
- **Make route:** The waypoints which have a number added in the route column, can be added to a route with this button. The route is created based on the numbers from low to high.
- **Edit:** Manage the selected waypoint.



The 'Waypoints' dialog box contains a table with the following data:

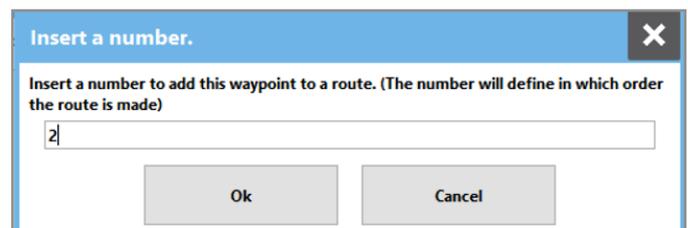
ID	Name	Visible	Lat	Lon	Date	route
1	WP1	<input checked="" type="checkbox"/>	53°14.464 N	6°21.478 E	2018-10-09	#
2	WP2	<input checked="" type="checkbox"/>	53°06.185 N	6°21.478 E	2018-10-09	#

Below the table are four buttons: Load, Delete, Make route, and Edit.

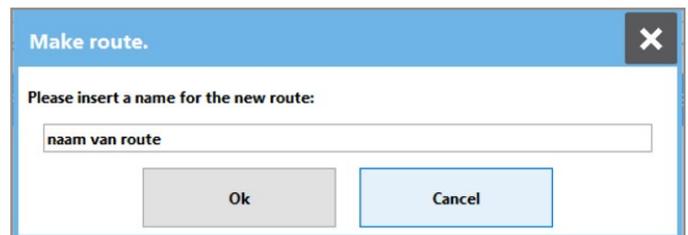
If you want waypoints to be visible on the chart, you can put a check in the column visible. If you wish to add a waypoint to a route, click on the '#' sign in the route column. A dialog should appear as such:

Fill in a number above zero. When clicking on the make route button, a new route is made on all waypoints with a number. Negative numbers will not be taken into account.

If you press the **Make route** button, you will see a window where you can enter the name of the route. If you press **Ok**, the route will be created based on the waypoints entered.



The 'Insert a number' dialog box has a text input field containing the number '2'. Below the input field are 'Ok' and 'Cancel' buttons.



The 'Make route' dialog box has a text input field containing the text 'naam van route'. Below the input field are 'Ok' and 'Cancel' buttons.

Routes menu

With the menu Routes you can make and manage routes.

- **Make Route:** Enter the name of the new route, click on Ok and then add new waypoints by clicking on the map

- **Route info:** Shows info about the current route. With the button **edit** a waypoint of a route can be edited

ID	Name	Visible	Lat	Lon	Date	Course	Distance	Total D...
4	null - 4	<input checked="" type="checkbox"/>	53°06.185 N	6°21.478 E	2018-10-09	-	-	-
4	null - 4	<input checked="" type="checkbox"/>	53°14.464 N	6°21.478 E	2018-10-09	0,0°	8,3	8,3
4	null - 4	<input checked="" type="checkbox"/>	52°53.463 N	6°46.757 E	2018-10-09	144,0°	25,9	34,2

- **Settings:** Here you set whether the next waypoint in the route should be automatically activated within a distance to be set

- **Management:** Here you can load, edit and delete routes.

Load: The selected route is loaded.

Info: Show route info.

Edit: Edit the name of the selected route.

Delete: Delete the selected route.

Close: Close route management.

- **Import Routes/Waypoints:** With this you can import a route or set of waypoints.

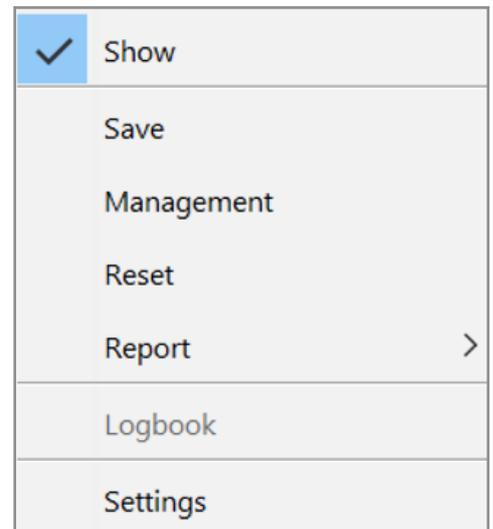
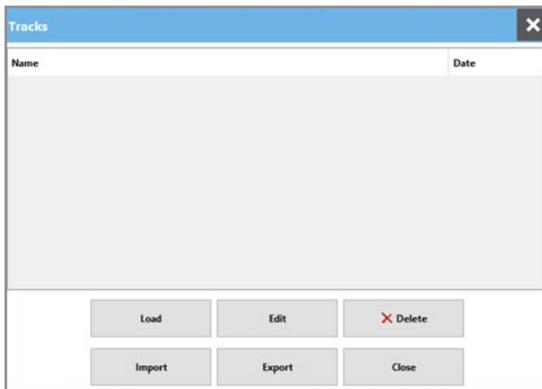
- **Export Routes/Waypoints:** With this you can export a route or set of waypoints.

ID	Name	Visible	Date
1		<input checked="" type="checkbox"/>	2018-10-09

Track menu

With the menu Track you can manage and configure Tracks.

- **Show (on / off):** Track is shown on chart
- **Save:** Save the current track.

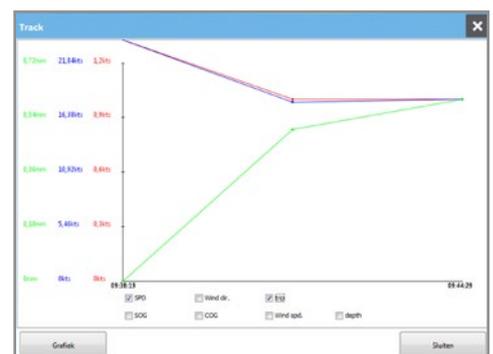


- **Management:** Load, edit and delete tracks
Load: Show the selected track on the chart.
Edit: Give the selected track a different name.
Delete: Delete the selected track.
Import: Import the track.
Export: Export the track.
Close: Close track management.

- **Reset:** Reset the current track.

Report: With this an overview of a track can be shown. A graphical representation of the track can be shown via the Graph button.

Point	Tsp	Positie	SOG	SPO	Trip	Diepte	COG	wind dir	wind spd	Logboek
0	2018-06-05 09:38:13	53°28.223 N 3°08.303 E	3 kts	—	0 m	0	—	—	—	—
1	2018-06-05 09:38:29	53°28.783 N 3°08.303 E	3 kts	0.5 mm	4.2 m	45	53	17.9 kts	—	—
2	2018-06-05 09:44:29	53°28.854 N 3°08.424 E	3 kts	0 kts	0.6 mm	4.2 m	45	17	18.2 kts	—



A number of data can be switched on and off in the graph. The X axis will show the time the track was made. The Y-axis shows the relative values (min to max) of the selected parameters.

- **Logbook:** With the logbook you can add a note in your current track.
- **Instellingen:** Here you can manage the settings for tracks and trackpoint data.

Track settings

Track Interval	10 seconden	
Distance	0.10	nm
Max. points:	<input type="range"/>	5000
Minimal Speed:	0.25	kts
<input checked="" type="checkbox"/> Save track if program is clo...		
Trackpoint ...		
<input checked="" type="checkbox"/> Save sp...		
<input checked="" type="checkbox"/> Save SOG		
<input checked="" type="checkbox"/> Save de...		
<input checked="" type="checkbox"/> Save wi...		
<input checked="" type="checkbox"/> Save trip		
<input checked="" type="checkbox"/> Save C...		

- **Interval:** Time between saved trackpoints.
- **Distance:** Minimal distance between 2 trackpoints.
- **Number of points:** Maximal amount of trackpoints to store in a track.
- **Minimal Speed:** Minimum speed that must be achieved to store track points
- **Save track on exit:** With this option, the software attempts to automatically store the current track when the software is requested to exit. Additionally, the track is periodically saved to a "Autosave_temp" file.
- **Trackpoint Data:** With the Trackpoint Data it is possible to choose whether or not to store certain data. This data is saved with track points if they are checked. And are not saved if they are not checked.

Weather menu

The menu Weather is used to enable/disable weather overlays.

- **Off:** All weatheroverlays are disabled.
- **Grib GFS:** Show GFS GRIB files
- **Grib Hirlam:** Show Hirlam GRIB files
- **Start Yachtcontrol Meteo:** Start Yachtcontrol Meteo software (Only works if Yachtcontrol Meteo is installed)



Notice: To make use of these overlays, a Yachtcontrol Meteo subscription and installation is required. Yachtcontrol Meteo is used to actively obtain the weather information. This needs to be done before the information is visible in Yachtcontrol Navigation.

GRIB Display on the map

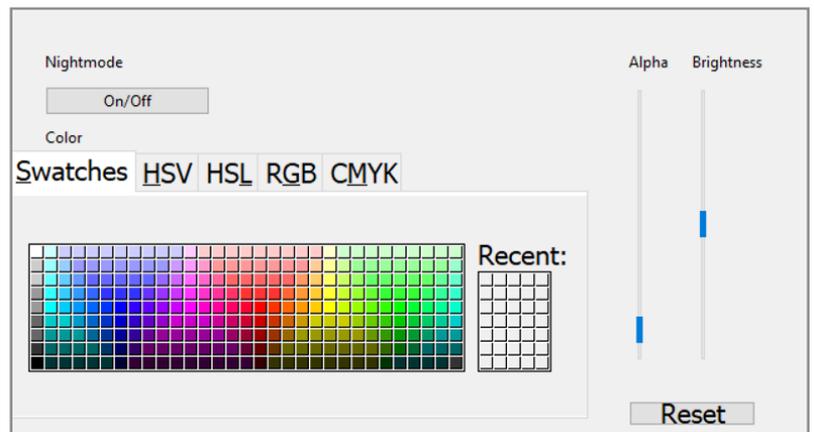
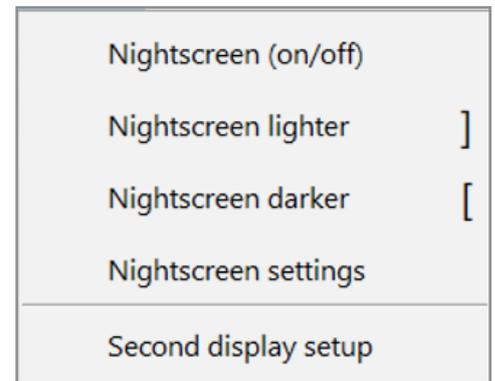
Within Yachtcontrol Navigation it is possible to lay the grib data on the navigation maps. Follow the steps below to put the GRIB data over the map. Always work in the GRIB service first in the Yachtcontrol Meteo. It is not possible to update the GRIB from Yachtcontrol Navigation.

- 1 Open menu **Weather** and choose **GRIB GFS** or **GRIB Hirlam**
- 2 Now you can switch the GRIB layers on and off via the menu on the right
- 3 You can select the desired time at the top and view the weather forecasts.

Screen menu

The menu Screen is where you can enable/disable nightscreens and outside-screens.

- **\Display(1 or more):** With this option, an outside screen can be turned on, on another monitor.
- **Nightscreen on/off:** With this, the nightscreen can be turned on and off.
- **Nightscreen lighter:** Increase nightscreen brightness You can also press the ']' key on your keyboard when the main program is active.
- **Nightscreen darker:** Decrease nightscreen brightness You can also press the '[' key on your keyboard when the main program is active.
- **Nightscreen settings:** With the button **On/Off** you can enable/disable the nightscreen.
- With the colourpicker you can change the colour and brightness of the nightscreen.



- **Outside screen settings:**
Do you have a Yachtcontrol outer screen on board? Make the most of it with the following settings. With Display settings you can adjust the resolution of your outside screens or switch the on and off. At Outside Screen, the screen can be switched and a Timeout time can be set.

Help menu

In the help menu you can find a few usefull operations.

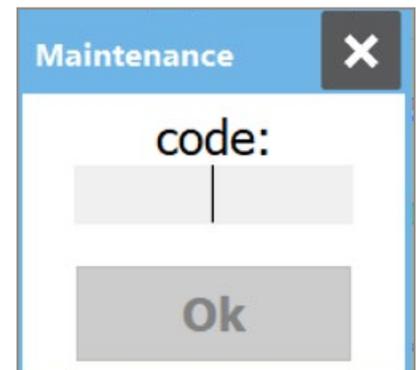
- **Idex:** This will open the helppfile you are currently reading.
- **Yachtcontrol Download:** Brings you to our download page where you can find and download the latest version of our software.

Index
Yachtcontrol Download
✓ Maintenance
Reset datascreen positions
Disclaimer
About Yachtcontrol

- **Maintenance:**

This allows you to put Yachtcontrol Navigation in maintenance mode. We issue the code for this when people ask for it.

Enter the code and press Ok. Ok lights up when the correct code has been entered. Or press the cross to cancel.



The maintenance mode is needed to edit data screens and alarms. If everything is set correctly then you probably do not need it.

- **Reset datascreen positions:** This is used for datascreens which are 'lost', or where on a screen which is no longer connected. Or dissappeared for diffrent unknown reasons. This forces all datascreens to jump to the middle of your main screen.

Notice! This probably means your layout need to be reconfigured.

- **Disclaimer:** Our disclaimer.
- **Over Yachtcontrol:** More information about Yachtcontrol.

Yachtcontrol

Lindenhof 9
8051DD Hattem
The Netherlands

☎ +31 (0)38 333 83 36

📄 +31 (0)38 333 83 37

✉ info@yachtcontrol.nl

YACHTCONTROL.NL

