R5 SUPREME Navigation System MkII Operator Short Instruction

7000 118-386 B1

SUPREME NAV

This quick user guide serves as a complement to the standard manual with P/N: 7000 118-383. This guide is designed to give immediate access to essential information when operating the system on a daily basis.

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Our product pages also contains contact information to our dealers and service stations world-wide and much more

SYSTEM MODES

Important: The R5 SUPREME Navigation System MkII is offered in GNSS and DGNSS configuration. In addition, the R5 CDU can be installed using different system modes. Mainly:

- Navigation System – Standalone or in network
- Combined AIS & Navigation System

This short instruction covers Navigation System functions only.

GENERAL OPERATION

SYSTEM NAVIGATION

The R5 CDU is equipped with a resistive touch screen to be used for system navigation. The system can also be navigated using the keypad. Use the **Arrow keys** to navigate the system views. Press **ENTER** ↵ to open a view. Press ESC to go back.

CHANGING PARAMETERS

Many views contain parameters that can be edited. To edit a parameter, press the parameter value or select it by using the **ARROW KEYPAD** and press **ENTER** ↵. Press **BACKSPACE** ← button to delete characters. Press **ENTER** ↵ to accept input after editing a parameter. Press ESC to undo changes. Press the **Save** button to save and exit a view.

Data can be entered to the system in the following ways:

1. **Numbers:** A virtual numerical keypad will be shown for numerical parameters.
2. **Text:** A virtual keyboard will be shown for textual parameters.
3. **Selection List:** Parameters with fixed values are displayed in a drop-down list, shown when the parameter value is pressed. Select one of the listed values.
4. **Selection List and numeric input:**
   In some views it is possible to select items in a list of predefined values. It may also possible to enter a custom number. To do this, select the **Numerical Input** choice and input a numerical value using the virtual numerical keypad shown.

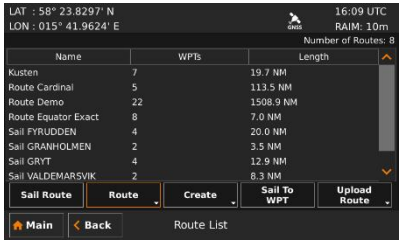
DO NOT TURN OFF THE SYSTEM WITHIN 2 SECONDS OF A PARAMETER CHANGE!

BEFORE VOYAGE

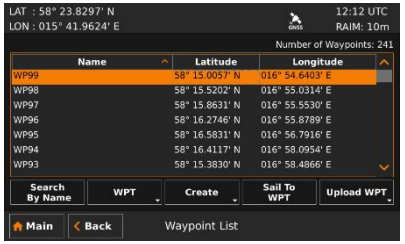
EDIT ROUTE/WAYPOINT

Edit routes and waypoints for desired route. The Route and Waypoint libraries are accessed from *Main Menu → Voyage*

It is also possible to plan routes and waypoints on an external ECDIS and upload by serial interface to the R5 CDU. See manual for details.



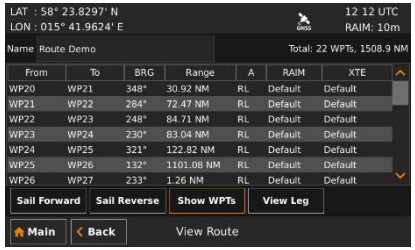
Route List



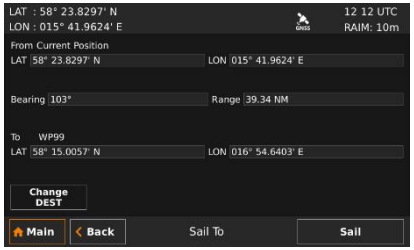
Waypoint List

START SAILING A ROUTE

Select a route and press Sail Route. Or select a waypoint and press Sail WPT.



Sail Route



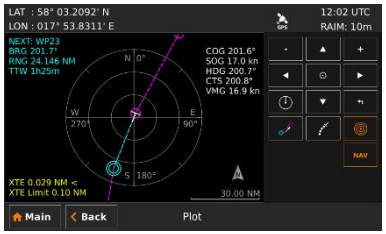
Sail to WPT

DURING VOYAGE

NAVIGATION

The following views are available under *Main Menu → Navigate*.

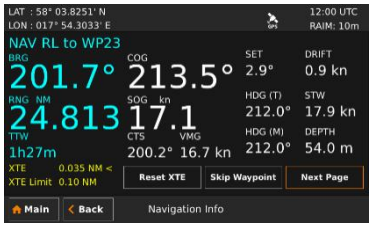
Navigation Aid



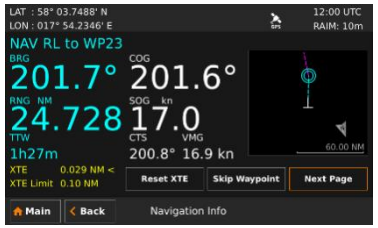
Navigation Plot

Navigation Info - ETA

Navigation Info – WPT



Navigation Info – Set and Drift



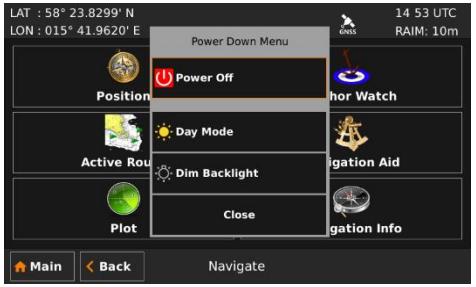
Navigation Info – Plot

BRIGHTNESS AND DIMMING

Adjust day/night LCD and LED dimming level and set current mode in:
Main Menu → Maintenance → Configuration → Display → Visual Parameters

Current display mode (day/night) and level master can be quickly reached by pressing and holding the POWER button for 2 seconds.

Press the OPT button for 5 seconds to reset visual settings to default values.



ACKNOWLEDGE ACTIVE ALARMS

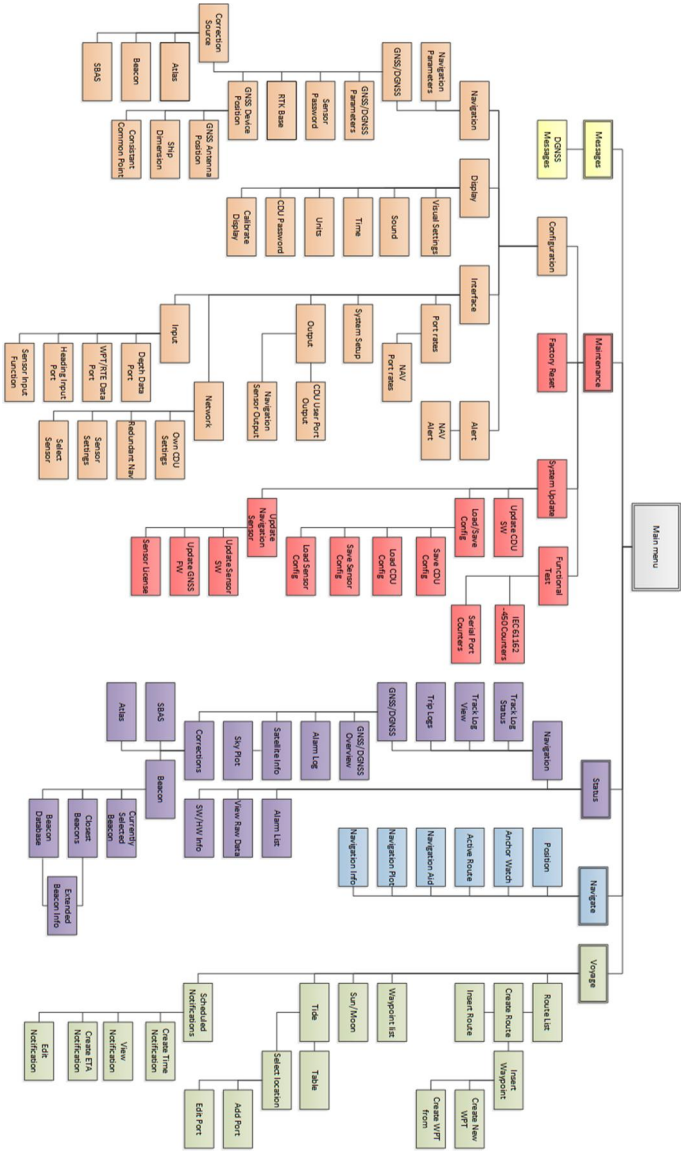
Press the **Ack** button to acknowledge alarm indications on the display.

VIEW ACTIVE ALARMS

Press the alarm icon in the status bar or select: *Main Menu → Status → Alarm List*

MONITOR SYSTEM INTEGRITY

System integrity can be quickly assessed from the Status Bar icons, or by entering the different views under *Main Menu → Status*



STATUS BAR ICONS

GENERAL ICONS

- Unread DGNSS message.
- Active unacknowledged alarms
- Active silenced alarms
- Active acknowledged alarms
- Active unacknowledged warning
- Active silenced warning
- Active acknowledged warning
- Active caution
- Operating in GPS mode
- Operating in GNSS mode
- Navigating without differential corrections.
- Using differential correction applied from serial port.
- Using differential correction applied from serial port, Integrity Alert.
- Using correction from internal radio beacon receiver (DGNSS version only).
- Using correction from internal radio beacon receiver (DGNSS version only), Integrity Alert.
- Using differential corrections from SBAS.
- Using differential corrections from SBAS, Integrity Alert.
- No valid position information.
- No communication with the external Navigation Sensor.
- HDOP status indication (active if HDOP is above 4).
- Navigation Sensor configured to use differential corrections but no valid differential corrections are available

SYNCHRONIZATION STATUS ICON, VISIBLE IN NETWORK CONFIGURATION

- CDU units are in sync.
- CDU units are synchronizing databases.
- CDU units are NOT in sync.
- Lost connection to other units.
- The CDU is a slave display that is in sync with master.
- The CDU is a slave display that is synchronizing databases with master.
- The CDU is a slave display that is NOT in sync with master.
- The CDU is a slave display that has lost connection to master.