R5 SUPREME NAV System
Operator Short Instruction

7000 118-369 D1

R5 SUPREME NAV

This quick user guide serves as a complement to the standard manual with P/N: 7000 118-301 found on the documentation CD. This guide is designed to give immediate access to essential information when operating the system on a daily basis.

Please visit our web-site, saab.com, for the latest news regarding this and other Saab products. AIS equipment is currently found under : saab.com/security/maritime-traffic-management/traffic-management/

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 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!

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BEFORE VOYAGE

EDIT ROUTES WAYPOINT

Edit routes and waypoints for desired route. The Route and Waypoint libraries is 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.



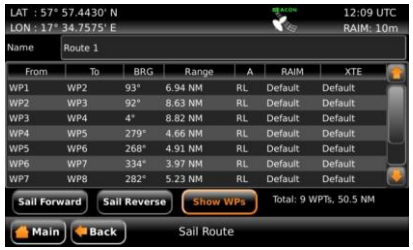
Route List



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

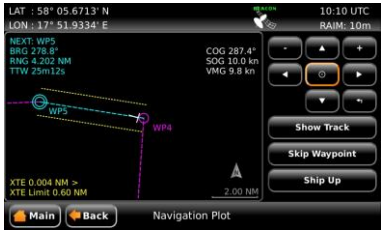
DURING VOYAGE

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 levels and set current mode in:
Main Menu → Maintenance → Configuration → Display → Visual Parameters

Current display mode (day/night) 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

DGPS	Unread DGPS message.
	Active alarms (acknowledged)
	Active alarms (unacknowledged).
GPS	Operating in GPS mode
GNSS	Operating in GNSS mode
	Navigating without differential corrections.
CORR	Using differential correction applied through User Port 1.
CORR	Using differential correction applied through User Port 1, Integrity Alert.
BEACON	Using correction from internal radio beacon receiver (DGPS version).
BEACON	Using correction from internal radio beacon receiver (DGPS version), Integrity Alert.
SBAS	Using differential corrections from SBAS.
SBAS	Using differential corrections from SBAS, Integrity Alert.
NO POS	No valid position information.
NO COM	No communication with the external Navigation Sensor.
HDOP	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.

