R5 SUPREME AIS

This quick user guide serves as a complement to the standard manual with P/N: 7000 118-300 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 CDU can be set up to operate in different system modes, **AIS, Navigation or a Combined AIS and Navigation mode.**

This short instruction deals with AIS functions only. If Navigation system functions are activated, additional symbols and menus will be available.

GENERAL OPERATION

SYSTEM NAVIGATION
The R5 SUPREME CDU is equipped with a resistive touch screen as well as a keypad to be used for operation of the system. When using the **Arrow keys** to navigate the system views, selected items will be highlighted by an orange frame. Press **ENTER** to open a view. Press 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** .

Changes will not take effect immediately. Press **Save** on screen button after editing parameters to save and exit the view. Press **Back** on screen button to cancel changes.

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

1. **Text / Numbers**: A virtual keyboard/keypad will popup when editing text or number fields. Press characters on screen directly, or use **Arrow keys** to highlight and press **ENTER** key to input a character. Press **VIRTUAL KEYPAD ENTER** key to accept new input after editing. Press **ESC** to undo changes.

2. **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.

3. **Selection List and numeric input:**
   In views like the **Send AIS Message** it is possible to select a target MMSI in a list of predefined values based on received targets MMSI. It is also possible to enter any MMSI number. To do this, select the **Numerical Input** choice and input a numerical value using the virtual numerical keypad shown.

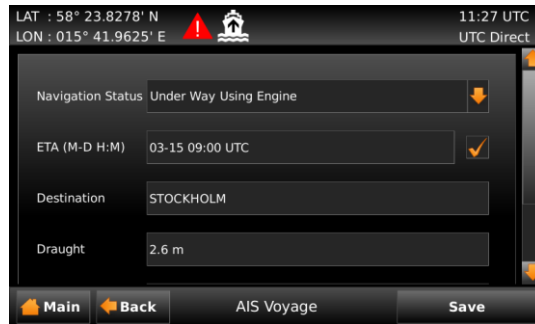***DO NOT TURN OFF TRANSPONDER POWER WITHIN 2 SECONDS OF A PARAMETER CHANGE!***

BEFORE VOYAGE

SET VOYAGE RELATED PARAMETERS

Voyage related parameters, are set from the AIS Voyage view accessed from *Main Menu → Voyage → AIS Voyage*.

DURING VOYAGE

SET NAVIGATIONAL STATUS

Press the navigational status icon in the status bar or select navigational status in the AIS Voyage view: *Main Menu → Voyage → AIS Voyage.*

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*
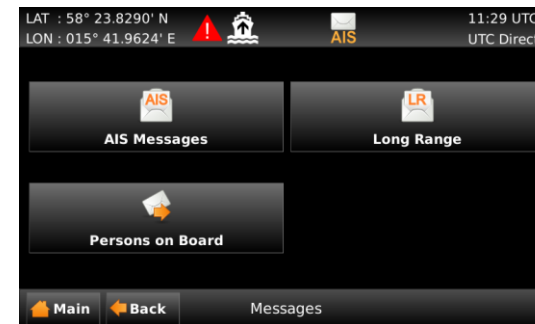
OPERATIONAL MODE

To turn on/off AIS transmissions and set transponder to normal/silent mode, select: *Main Menu → AIS → Operational Mode* and select mode by pressing one of the buttons.

HANDLING SRM & TEXT MESSAGES

Safety related messages (SRMs) and text messages can be sent to specific targets (addressed messages) or broadcast to all targets.

Handling of messages is supported by the AIS Messages view accessible via *Main Menu → Messages → AIS Messages:*

A letter symbol will be displayed in the status bar when a message has been received.

VIEW LIST OF AIS TARGETS

Enter *Main Menu→ AIS → Target List*

Select targets by pressing on a target row or using the **ARROW KEYPAD**.

Press the **Extended Info** button for extended info about the selected target.

NOTE: Extended static information is not sent as frequently as dynamic data. Static data is only sent every 6 minutes. New targets may therefore not have complete information for up to 6 minutes.

VIEW PLOT OF AIS TARGETS

Enter *Main Menu→ AIS → Plot*

The plot can be zoomed in and out using the vertical slider control. Select a target by pressing the target symbol in the plot view. Press **Extended Info** button for extended info about the selected target.

TARGET SYMBOLS

⊥	Own vessel (plot view)
▲	Vessel (Class A)
▲	Vessel (Inland, Blue Sign N/A)
▲	Vessel (Inland, Blue Sign Off)
▲	Vessel (Inland, Blue Sign On)
▲	Vessel (Class B)
■	Base Station
✈	SAR
◆	Aids-to-Navigation
✛	Virtual Aids-to-Navigation
⊗	AIS-SART
?	Unknown target type

STATUS BAR ICONS

MESSAGE SYMBOLS (CLICKABLE)

✉ AIS	Unread message (safety related message, or text message)
✉ AUTO LR	Unread Long Range message (automatic reply)
✉ LR	Unread Long Range message (manual reply)

NAVIGATIONAL STATUS (OWN VESSEL ICONS)

The NavStatus icons are clickable for quick access to NavStatus settings

🚢?	Navigational status is undefined
🚢	Under way using engine
🚢	Navigational status is one of: Not under command, Restricted maneuverability, Constrained by her draught, Aground, Engaged in fishing, Under way sailing, Reserved for future use.
⚓	At anchor or moored

MISCELLANEOUS SYMBOLS

⚠	Active acknowledged alarms (Clickable)
⚠	Active unacknowledged alarms (Clickable)
⚓1W	1W mode (Available only if Ship Type = Tanker, Navigational Status = Moored and the speed of the ship is less than 3 knots)
Tx	Silent Mode activated, either with Tx Mode parameter or silent switch.

Main menu
- Voyage
  - Ais Voyage
- AIS
  - Operational Mode
  - Plot
  - Target List
- Status
  - Status List
  - View Raw Data
  - SW/HW Info
  - Alarm List
  - AIS Status
    - AIS Internal GPS Status
    - VHF Status
    - Non Functional Time
    - Transmitted Own ship data
- Messages
  - Long Range Msg
  - Persons on Board
  - AIS Messages
- Maintenance
  - Installation Test
  - Communication Test
  - Factory Reset
  - System Update
    - Update Licenses
    - Update Transponder SW
    - Update CDU SW
    - Load /Save Config
      - Load Transponder Config
      - Save CDU Config
      - Load CDU Config
      - Save Transponder Config
  - Configuration
    - Misc Interfaces
      - Interface
        - Port Rates
        - System Setup
        - Network
        - Input
          - Transponder LWE Input
    - Alarm
    - Transponder Settings
      - Select Transponder
      - Own CDU Settings
    - Visual Settings
      - Display
        - Calibrate Display
        - Time
        - Units
        - Sound
        - CDU Password
      - AIS
        - Display Parameters
        - Password
        - VHF Radio
        - Regional Areas
          - Edit Area
          - View Area
          - New Area
          - Long Range Broadcast
        - Long Range
        - Ship Dimensions
        - Ship Static