



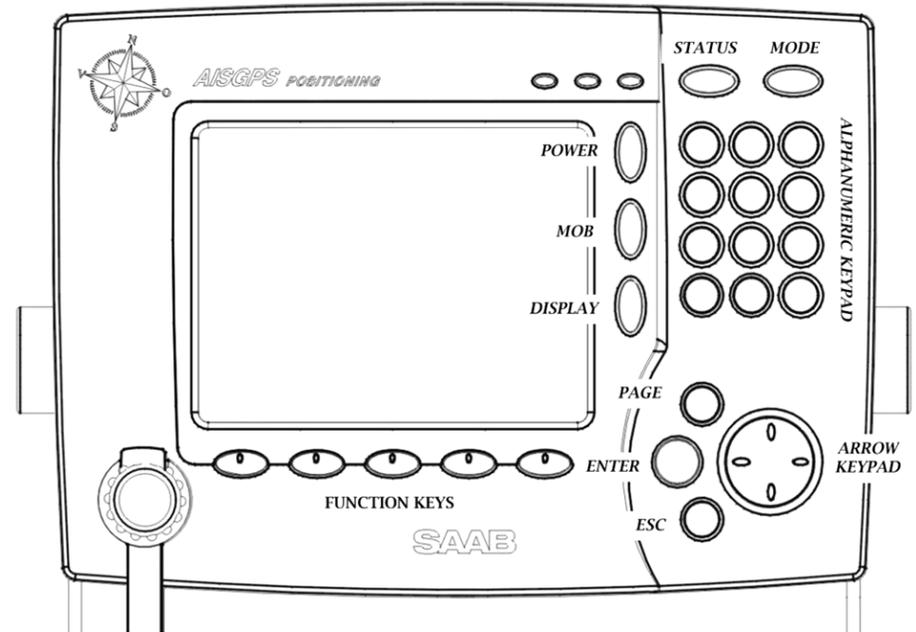
R4 AIS SYSTEM

Thank you for choosing the R4 AIS Transponder System! This quick user guide serves as a complement to the standard manuals found on the documentation CD. It is designed to give immediate access to essential information when operating the system on a daily basis.

Please visit our web-site for the latest news regarding this and other ship borne products. Our web-site also contains contact information to our dealers and service stations world-wide and much more.

For a complete set of manuals, see the included documentation CD.

GENERAL OPERATION



TURNING ON AND OFF

To turn the R4 display unit on, press the POWER key. To turn the display off, hold the POWER key down for three seconds. This will NOT turn off the transponder, only the display.

ACKNOWLEDGE ACTIVE ALARMS

Use the ENTER key to acknowledge alarm indications on the display.

Saab TransponderTech AB
www.saabgroup.com/transpondertech



CHANGING PARAMETERS

1. Use the ARROW KEYPAD to step between parameters in a view.
2. To change a parameter, Press the ENTER key. Existing values can be erased using function key Backspace.
3. When the parameter has been set to its desired value press the ENTER key again.
4. When all parameters in the view have desired values, press function key Apply and Exit.
5. A password may now be required. If so, press Function Key Caps lock, **enter 'user' when asked for the user password or 'admin' when asked for the admin password.**
6. Finally press the ENTER key.

BEFORE VOYAGE

SET VOYAGE RELATED PARAMETERS

Voyage related parameters, are set from the AIS Voyage Settings view accessed by pressing the MODE key followed by function keys PLAN VOYAGE and then AIS VOYAGE.

22° 30.4069' N		AIS	
114° 01.6687' E		11:13 UTC	
AIS VOYAGE SETTINGS			
Parameter	Value		
Nav Status	Under Way Using Engine		
Destination	VINDO		
ETA (mm-dd hh:mm)	09-01 14:00 UTC		
Persons on board	9		
Draught	2.0 m		
Reg App Flags	0		
Apply and Exit		Get Default	

DURING VOYAGE

SET NAVIGATIONAL STATUS

In order to set Navigational Status, perform the following:

1. Press the STATUS key.
2. Two sets of function keys for different navigational status are available by toggling with the PAGE key. Press the function key corresponding to the navigational status that should be set. The navigational status is changed directly when pressing the corresponding function key.
3. Press the ESC key in order to leave the Navigational Status view.

VIEW OWN SHIP DATA

To view transmitted information about the own ship, perform the following:

1. Press the MODE key
2. Press function keys NAVIGATE and then Own Ship Data.
3. Three different sub views are available by toggling with function key Show Next.
4. If you want to leave the menu press the ESC key.

VIEW LIST AND PLOT OF AIS TARGETS

To view a list of received AIS targets, perform the following:

1. Press the MODE key
2. Press function keys NAVIGATE and then Target List.

To view information about a specific target, highlight it in the list using the ARROW KEYPAD and press function key Extended Info. Three different sub views are available by toggling with function key Show Next.

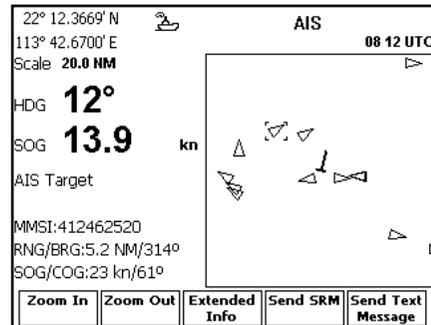


It is also possible to view a plot of received AIS targets with respect to the own ship position by pressing the following keys:

1. Press the MODE key
2. Press function keys NAVIGATE and then Plot.

The plot can be zoomed with function keys Zoom In and Zoom Out. Use the ARROW KEYPAD to step between the targets in the plot and display information related to the selected target.

58° 31.1477' N		AIS		14:33 UTC
17° 00.8523' E				
TARGET LIST		All Targets	Range Unit: Nm	
MMSI	Name	RNG	BRG	23
Δ 20021	ISABELLE	1.4	78	▲
▲ 10001	ELIZA	2.6	138	
Δ 20022	CATRINE	6.9	106	
Δ 20024	YVETTE	9.0	37	2
Δ 20006	DAGNY	15	46	
Δ 20003	ANNA	17	296	
Δ 20004	MICHELLE	17	65	
Δ 20018	JOHANNA	18	261	▼
Extended Info	Show Sector	Send SRM	Send Text Message	



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 in the Alarms & Msgs mode. To access the view perform the following:

1. Press MODE key
2. Press function key ALARMS & MSGS.
3. Press function key AIS Messages.

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

58° 23.8231' N		AIS		11:45 LOC
15° 41.9750' E				
AIS MESSAGES				
Received	Sent	Send SRM	Send Text Message	



STATUS ICONS

The following symbols can be shown in the status bar of the display:

MESSAGE SYMBOLS

-  Unread AIS message (safety related message or text message)
-  Unread Long Range message (auto reply)
-  Unread Long Range message (manual reply)

AIS STATUS SYMBOLS

-  AIS functionality available
-  No communication with the R4 AIS Transponder

NAVIGATIONAL STATUS (OWN VESSEL ICONS)

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

MISCELLANEOUS SYMBOLS

-  Active alarms
-  1W mode (Available only if Ship Type = Tanker, Navigational Status = Moored and the speed of the ship is less than 3 knots)

TARGET SYMBOLS (TARGET LIST & PLOT)

-  Own ship (plot view)
-  Ship (class A)
-  Ship (class B)
-  Base Station
-  SAR
-  Aids-to-Navigation