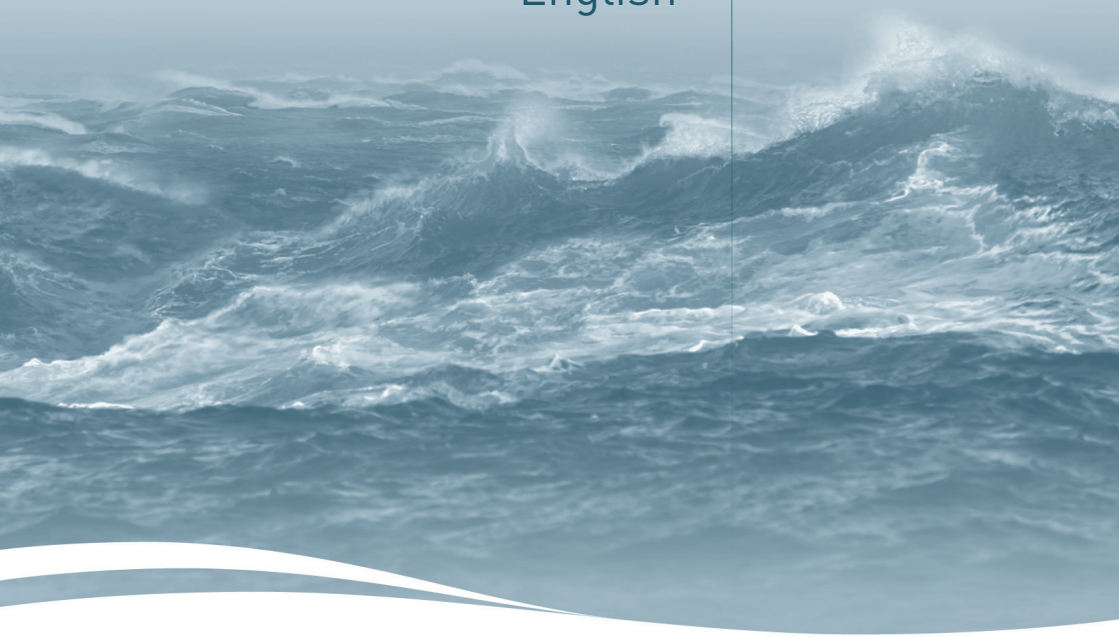
ocean SIGNAL

Inland Waterways Supplement

ATA100

ATA100 Combined Class A / Inland AIS

English



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ADDITIONAL INFORMATION

ATA100 INSTALLATION MANUAL	**912S-03333**
ATA100 USER MANUAL	**912S-02691**
ATA100 QUICK START MANUAL	**912S-03496**

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1. GENERAL INTRODUCTION

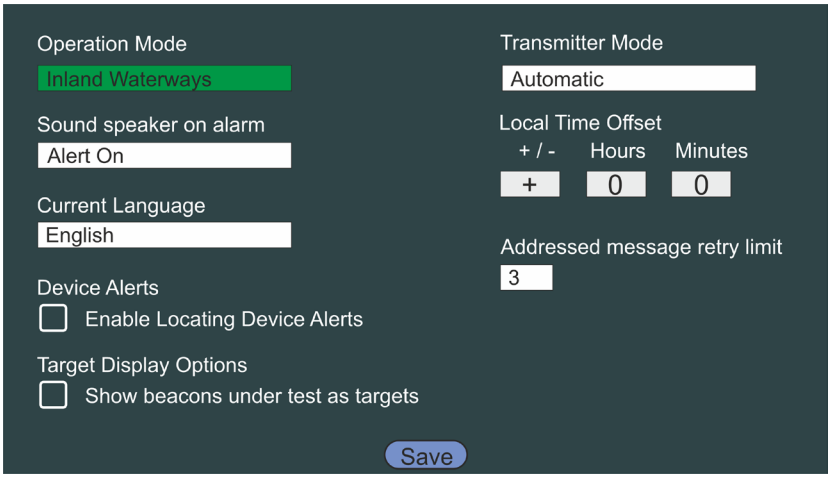
1.1 Operating Modes

The ATA100 AIS Transceiver can be operated either in SOLAS or Inland Waterways mode.

The default operating mode is SOLAS and the Inland Waterways mode must be selected via the menu system.

1.2 Selecting Inland Waterways Mode

1.2.1 Settings System General:



Select Inland Waterways in the Operation Mode box and then save the selection.

Save will return you to the Map page.

1.3 Blue Sign switch

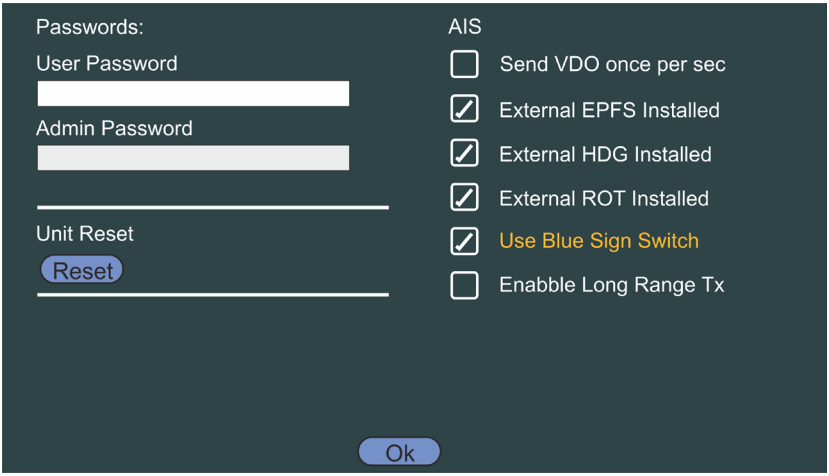
1.3.1 Installing the Blue Sign Switch

See the ATA100 Installation Manual Section 2.3.6 (page 15) for wiring details. A latching switch must be connected to the Blue Sign terminals in the rear of the ATA100.

1.3.2 Activating a Blue Sign switch

For the Blue Sign switch to operate it must be activated in the system's Advanced Settings.

Settings → System → Advanced →:



Ensure the check box for use Blue Sign Switch is checked.

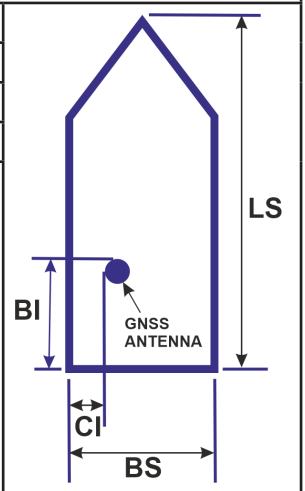
Check the operation of the Blue Sign switch by checking the icon at the bottom of the screen:

2. VESSEL DATA

Different static and voyage data is required for operating in Inland Waterways. Once Inland Waterways mode is selected the data can be entered directly.

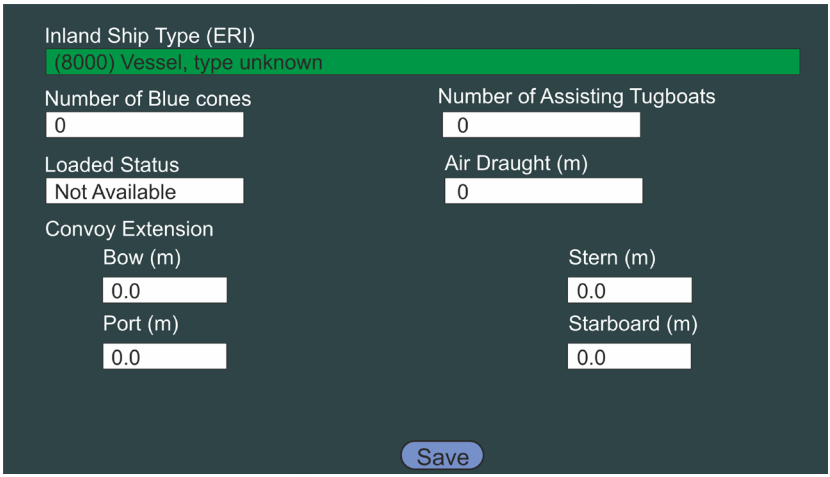
1.4 Inland Static Data

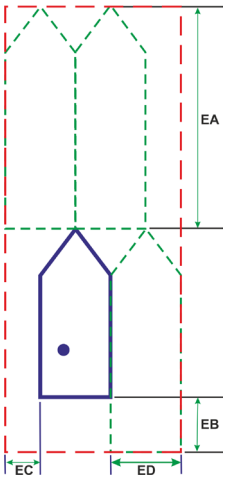
Settings ↵ **AIS** ↵ **Inland Static** ↵ <password>**:**

ENI Number	Unique European Vessel Identification Number	
Beam of Ship	BS (X.Xm)	
Length of Ship	LS (X.Xm)	
Internal Antenna Position	BI and CI (X.Xm)	
External Antenna Position	BI and Ci (X.Xm)	
Quality of Course, Speed and Heading	High / Low	

1.5 Inland Voyage Data

Settings ↵ AIS ↵ Inland Voyage ↵:

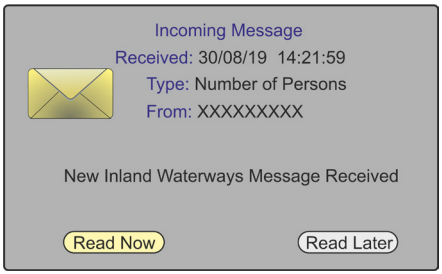


Inland Ship Type (ERI)	Vessel or Convoy type	
Blue cones	0, 1, 2, 3, B-Flag	
Number of Assisting Tugboats	0, 1, 2, 3, 4, 5, 6, Unknown	
Loaded Status	Loaded, Unloaded	
Max Draught	(X.XXm)	
Convoy Extension		

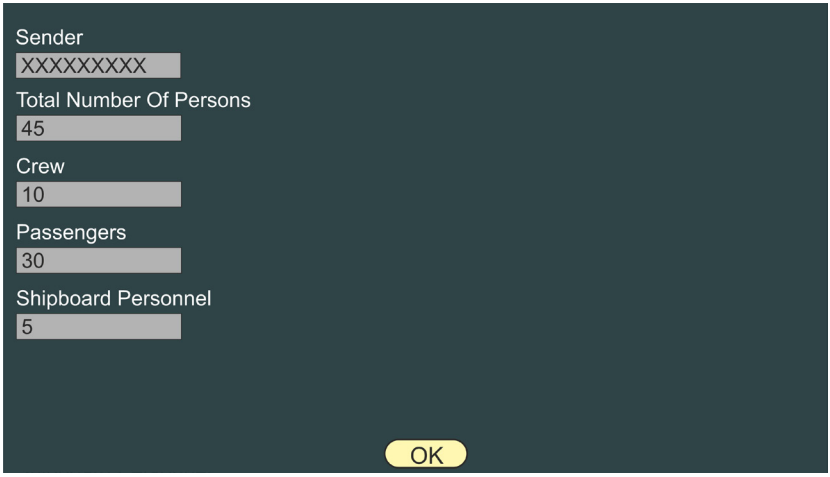
3. INLAND WATERWAYS MESSAGES

1.6 Incoming Messages

On receipt of an Inland Waterways Message a pop-up will appear

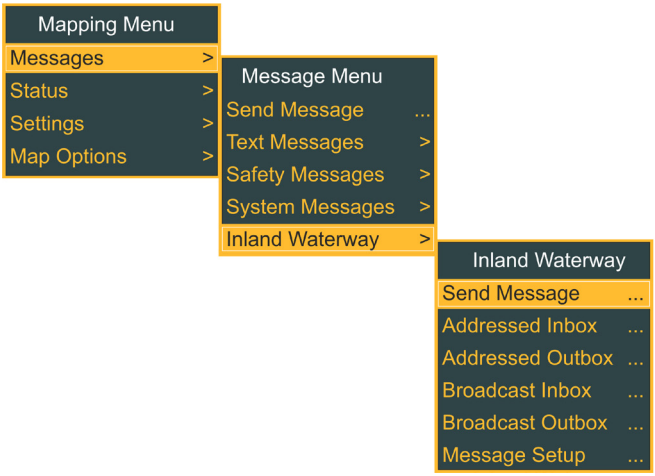


Pressing Read Now will open the message for reading.



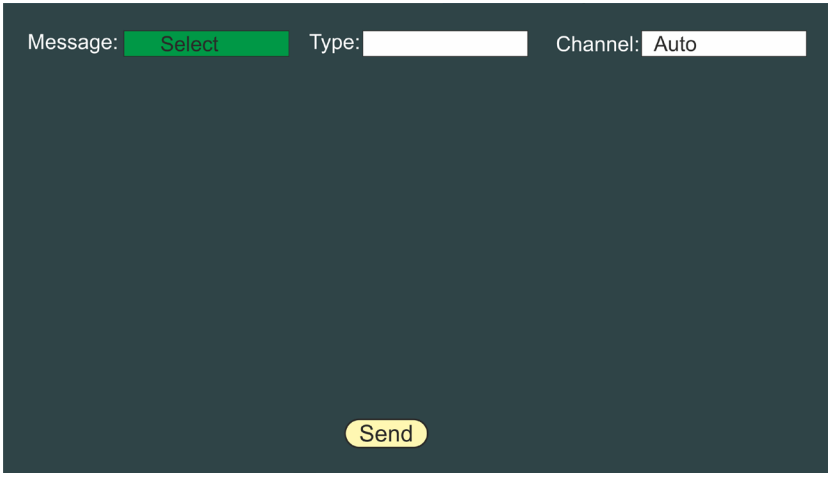
Pressing Read Later will remove the pop-up leaving the message icon in the bottom panel.

Additional Menu items are added to the system for Inland Waterways operation.



1.7 Send Message -

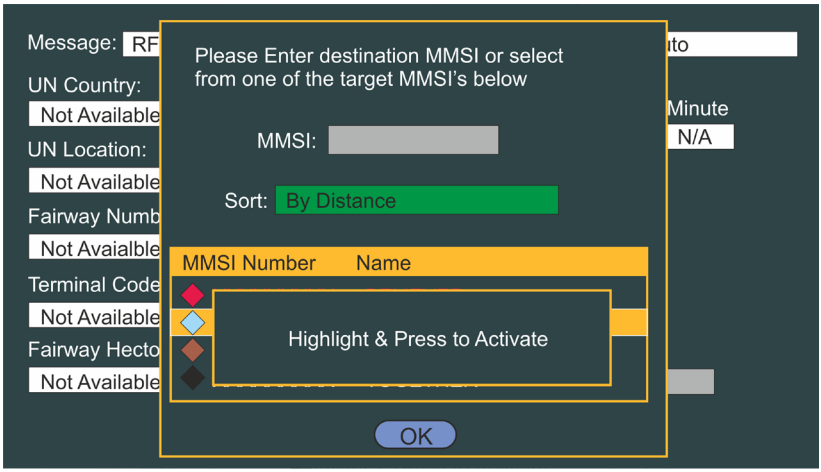
Messages **Inland Waterways** **Send Message...**



Message	RFM21 - ETA* RFM55 - POB IFM16 - POB*	The type of message you wish to send
Type	Broadcast Addressed	Whether you wish to send a message to a specific recipient or to everybody within range
Channel	Auto Channel A Channel B Both	

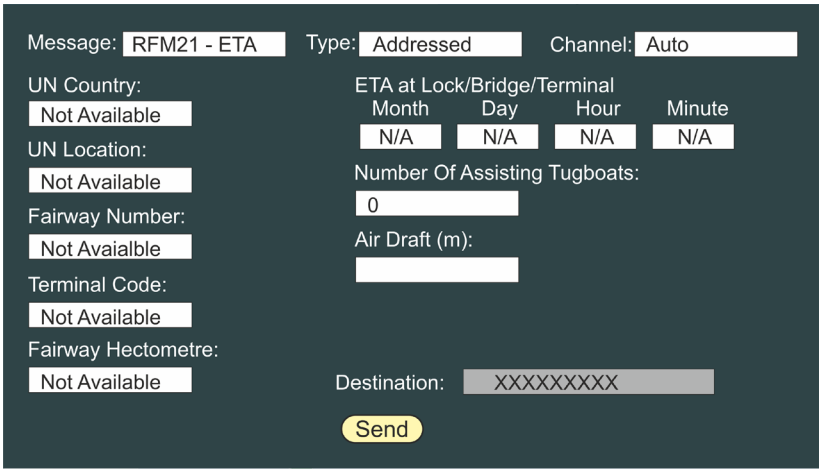
* Messages must be Addressed

When selecting an Addressed message a pop-up will be displayed



Press to order vessels in the list by MMSI Number, Age of Target reception, Name of Vessel or Threat (TCPA/TCPA) then use and to highlight the chooser.

Use and to select the required vessel from the list and to click OK .



and displays the keyboard pop-up to enter the required message content.

Information required for the different messages is:

RFM21 - ETA	UN Country UN Location Fairway Number Terminal Code Fairway Hectometre ETA at Lock/Termina/Bridge Number of Assisting Tugboats Air Draft (m)	
RFM55 - POB	Crew Members Passengers Shipboard Personnel	
IFM16 - POB	Total Number of Persons	

When everything is correct select "Send" and press .

1.8 Message Boxes

1.8.1 Addressed Inbox

Messages → Inland Waterways → Addressed Inbox

Date	Sender	Message	Status
30/08/19 14:21:59	XXXXXXXXX	RFM55 - POB	Unread
27/08/19 14:00:04	XXXXXXXXX	IFM16 - POB	Read
27/08/19 14:40:06	XXXXXXXXX	RTA	Read
15/08/19 10:19:56	XXXXXXXXX	IFM16 - POB	Read
10/08/19 04:31:12	XXXXXXXXX	RFM55 - POB	Read

Use to select then to read a message.

e.g.

Sender: XXXXXXXXX

UN Country: GB

UN Location: GBR

Fairway Number: ABC12

Terminal Code: ALPHA

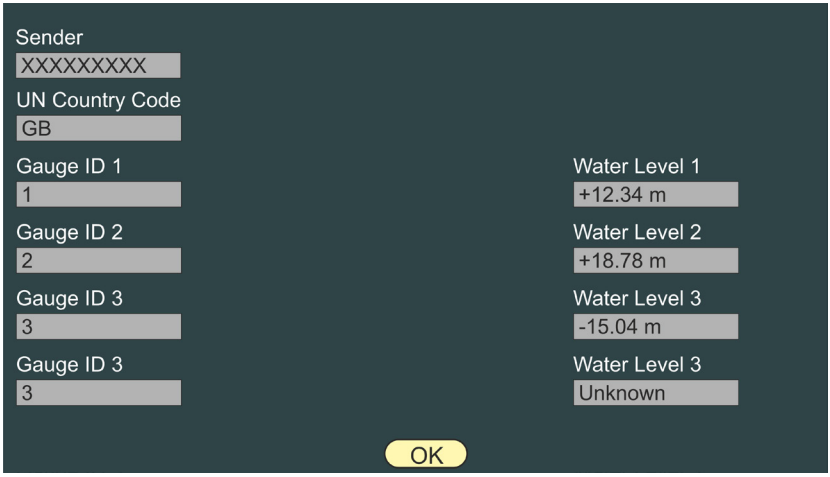
Fairway Hectometre: 12ABC

ETA at Lock/Bridge/Terminal: 04 Sep 14:30 UTC

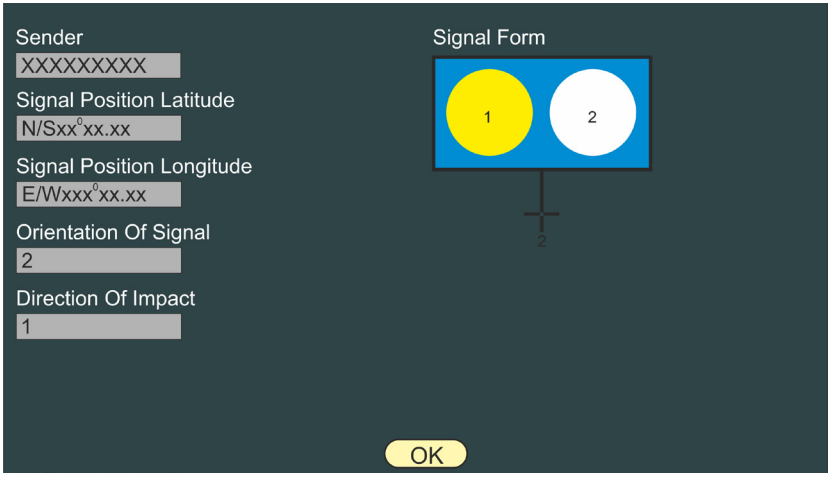
Lock/Bridge/Terminal Status: Limited Operation

OK

e.g.


Sender
XXXXXXXXX
UN Country Code
GB
Gauge ID 1
1
Gauge ID 2
2
Gauge ID 3
3
Gauge ID 3
3
Water Level 1
+12.34 m
Water Level 2
+18.78 m
Water Level 3
-15.04 m
Water Level 3
Unknown
OK

e.g.


Sender
XXXXXXXXX
Signal Position Latitude
N/Sxx°xx.xx
Signal Position Longitude
E/Wxxx°xx.xx
Orientation Of Signal
2
Direction Of Impact
1
Signal Form
1
2
2
OK

1.8.2 Addressed Outbox

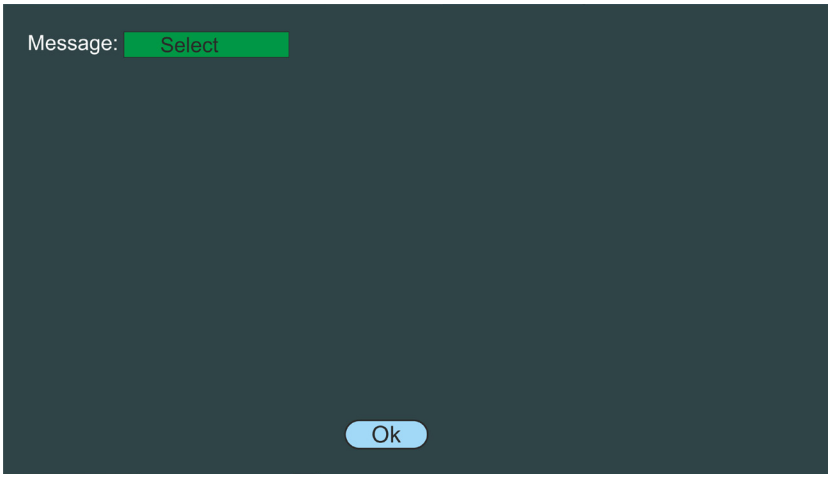
Messages → Inland Waterways → Addressed Outbox

Date	Recipient	Type
28/08/19 15:39:18	XXXXXXX	Number of Persons
28/08/19 15:18:10	XXXXXXX	ETA
27/08/19 14:00:20	XXXXXXX	Number of Persons

1.8.3 Message Setup

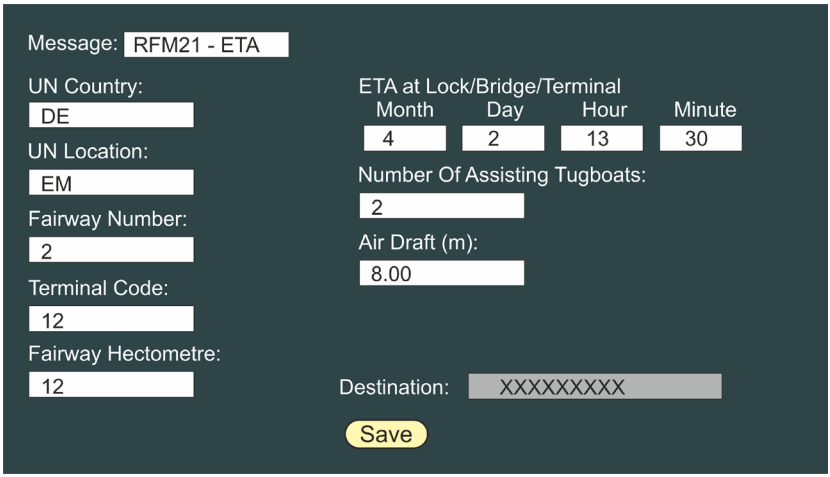
Messages → Inland Waterways → Message Setup

To allow for a swift response to a request for information it is possible to pre-populate information for the RFM21 - ETA and RFM55 - POB messages.



Select the message and use , and the pop-up keyboard to enter the required data.

e.g.



Select and press Save to enter the data.

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