



Inland Waterways
Supplement

ATA100
Class A AIS
Transceiver

English

www.oceansignal.com



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ADDITIONAL INFORMATION

ATA100 INSTALLATION MANUAL

912S-03333

ATA100 USER MANUAL

912S-02691

ATA100 QUICK START MANUAL

912S-03496

1.	GENERAL INTRODUCTION	4
	1.1 Operating Modes	4
	1.2 Selecting Inland Waterways Mode	4
	1.3 Blue Sign switch	5
2.	VESSEL DATA	6
	2.1 Inland Static Data	6
	2.2 Inland Voyage Data	7
3.	INLAND WATERWAYS MESSAGES	8
	3.1 Incoming Messages	8
	3.2 Send Message	9
	3.3 Message Boxes	12

1. GENERAL INTRODUCTION

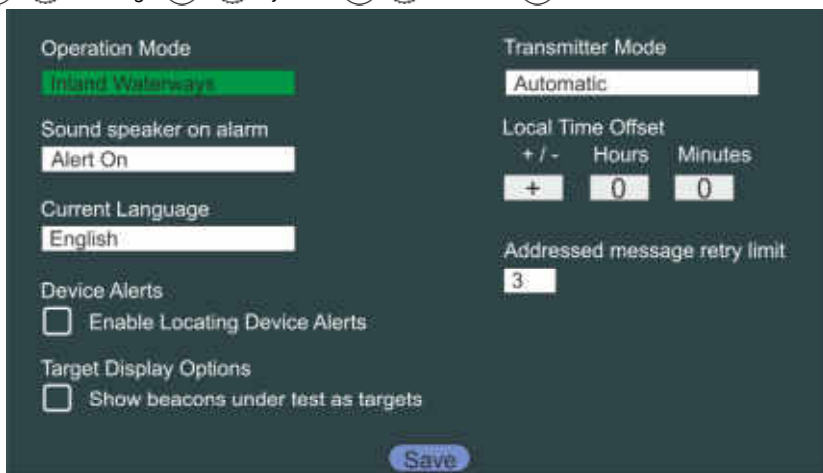
1.1 Operating Modes

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

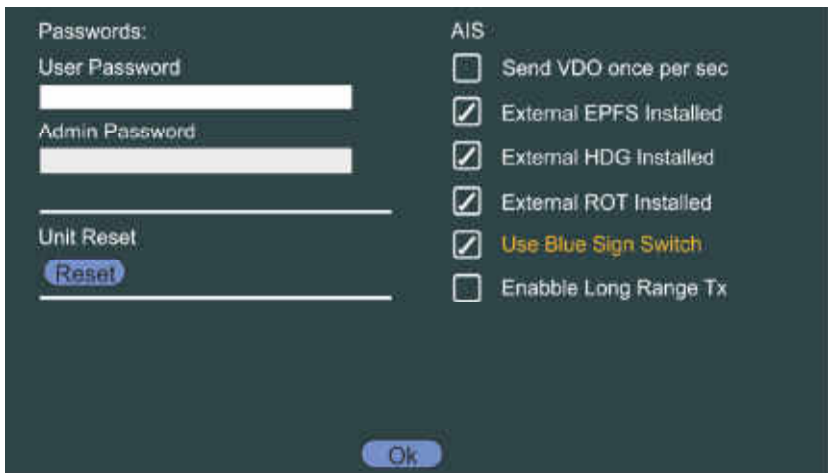
1.3.1 Installing the Blue Sign Switch

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:



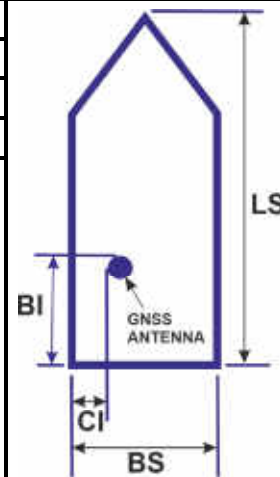
2. VESSEL DATA

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

2.1 Inland Static Data


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

ENI Number XXXXXXXXXX	Beam of Ship 12.0	Length of Ship 32.0
Internal Antenna Position		
BI 4.0	CI 12.0	
External Antenna Position		
BI 5.0	CI 10.0	
Quality of Course High	Quality of Speed High	Quality of Heading High
Save		

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	

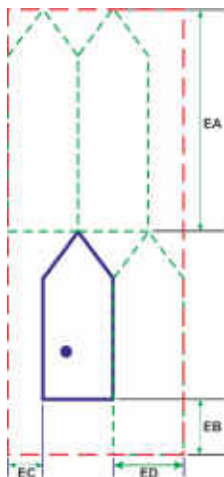
2.2 Inland Voyage Data

☰ ⚙ Settings ⏪ ⚙ AIS ⏪ ⚙ Inland Voyage ⏪:

Inland Ship Type (ERI)
(8000) Vessel, type unknown

Number of Blue cones <input style="width: 80%;" type="text" value="0"/>	Number of Assisting Tugboats <input style="width: 80%;" type="text" value="0"/>
Loaded Status <input style="width: 80%;" type="text" value="Not Available"/>	Air Draught (m) <input style="width: 80%;" type="text" value="0"/>
Convoy Extension	
Bow (m) <input style="width: 80%;" type="text" value="0.0"/>	Stern (m) <input style="width: 80%;" type="text" value="0.0"/>
Port (m) <input style="width: 80%;" type="text" value="0.0"/>	Starboard (m) <input style="width: 80%;" type="text" value="0.0"/>

Save

Inland Ship Type (ERI)	Electronic Reporting International	
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

3.1 Incoming Messages

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



Pressing Read Now will open the message for reading.



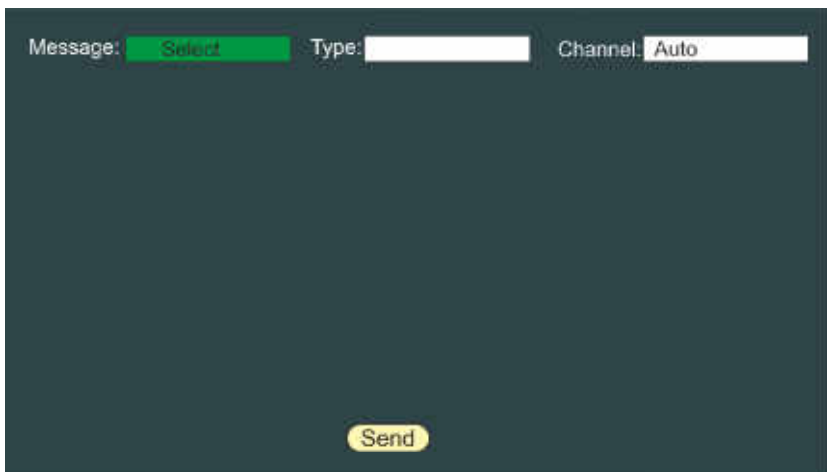
Pressing Read Later will remove the pop-up leaving the message icon in the bottom panel.

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



3.2 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 .

Message: Type: Channel:



UN Country: ETA at Lock/Bridge/Terminal
 Month Day Hour Minute

UN Location: Number Of Assisting Tugboats:

Fairway Number: Air Draft (m):

Terminal Code:

Fairway Hectometre: Destination:

 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/Terminal/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 .

3.3 Message Boxes

3.3.1 Addressed Inbox


 Messages
 
 Inland Waterways
 
 Addressed Inbox

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

Use  to select then  to read a message.

Sender
 XXXXXXXXXXXX

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

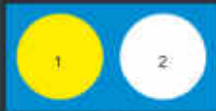
e.g.

e.g.

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

OK

e.g.

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

OK

3.3.2 Addressed Outbox

  Messages  Inland Waterways  Addressed Outbox

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

3.3.3 Message Setup



  Messages  Inland Waterways  Message Setup

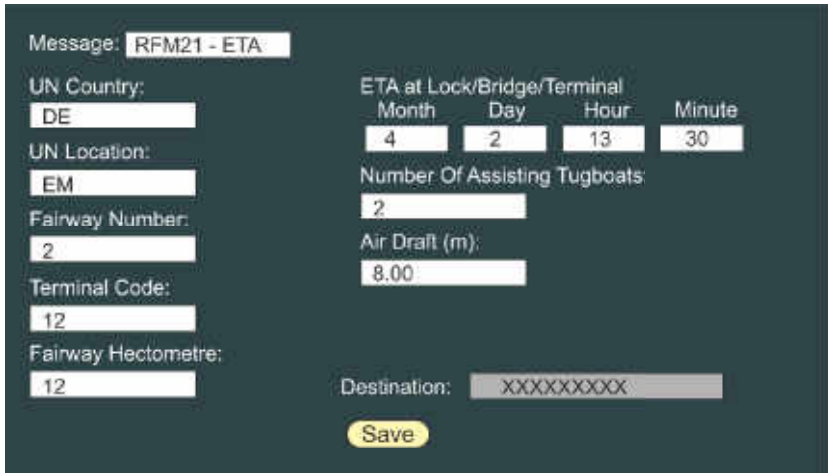
To allow for a swift response to a request for information it is possible to pre-populate information for the RFM21 - ETA and RFM55 - POB messages.

Message:

Ok

ATA100 INLAND WATERWAYS

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



The screenshot shows a data entry form with the following fields and values:

Message:	RFM21 - ETA				
UN Country:	DE	ETA at Lock/Bridge/Terminal			
		Month	Day	Hour	Minute
		4	2	13	30
UN Location:	EM	Number Of Assisting Tugboats:			
		2			
Fairway Number:	2	Air Draft (m):			
		8.00			
Terminal Code:	12	Destination: XXXXXXXXXX			
Fairway Hectometre:	12				
		Save			

e.g.

Select and press Save to enter the data.

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