ACR AISLink™

Inland AIS
Quick operation guide

User interface

Display

Sounder

Pilot plug (behind protective cover)

Left function key

Menu key

Back key

Scroll wheel

Right function key

Select operating screen

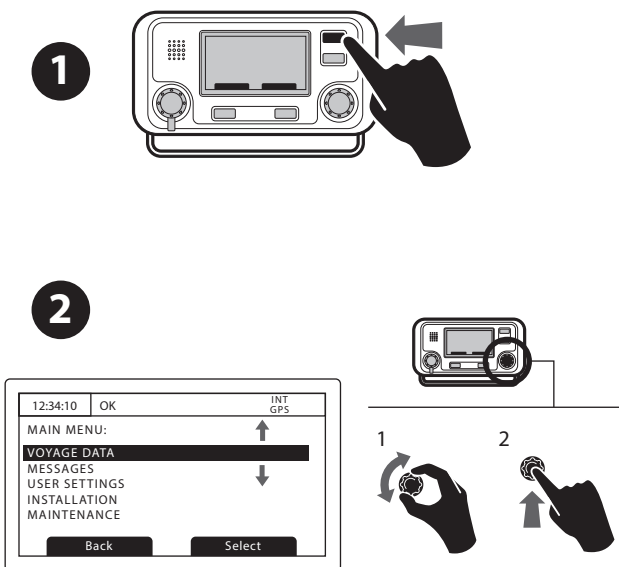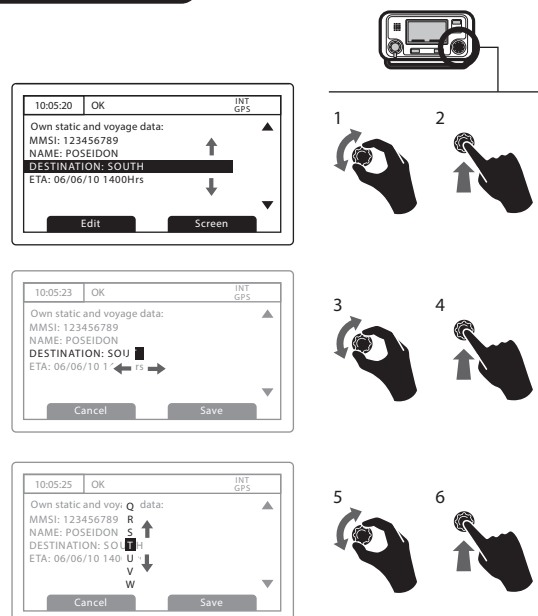| Target list | → | Own vessel & voyage data | → | Own dynamic data |
| Target plot | ← | Alarms | ← | Received messages |
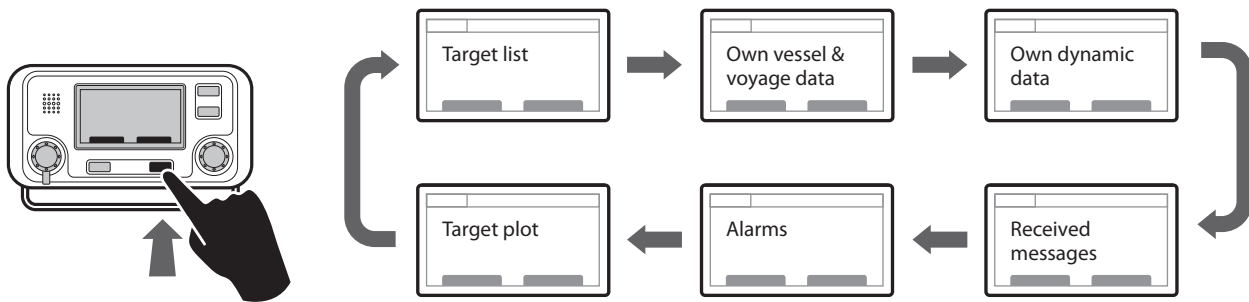
In normal operation the display shows one of six main operating screens.
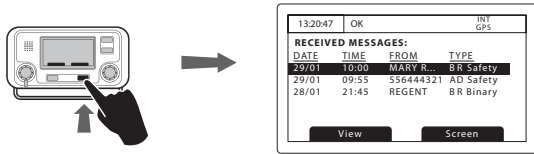The next screen can always be selected by pressing the 'Screen' function key.

Menu system

1

2

```
12:34:10    OK              INT
                            GPS
MAIN MENU:
VOYAGE DATA
MESSAGES
USER SETTINGS
INSTALLATION
MAINTENANCE

   Back            Select
```

1   2

Entering text

```
10:05:20    OK              INT
                            GPS
Own static and voyage data:
MMSI: 123456789
NAME: POSEIDON
DESTINATION: SOUTH
ETA: 06/06/10 1400Hrs

     Edit          Screen
```

1   2

```
10:05:23    OK              INT
                            GPS
Own static and voyage data:
MMSI: 123456789
NAME: POSEIDON
DESTINATION: SOU
ETA: 06/06/10 1?  rs

     Cancel          Save
```

3   4

```
10:05:25    OK              INT
                            GPS
Own static and voy  Q  data:
MMSI: 123456789     R
NAME: POSEIDON      S
DESTINATION: SOU    T
ETA: 06/06/10 140   U
                    V
                    W
     Cancel          Save
```

5   6

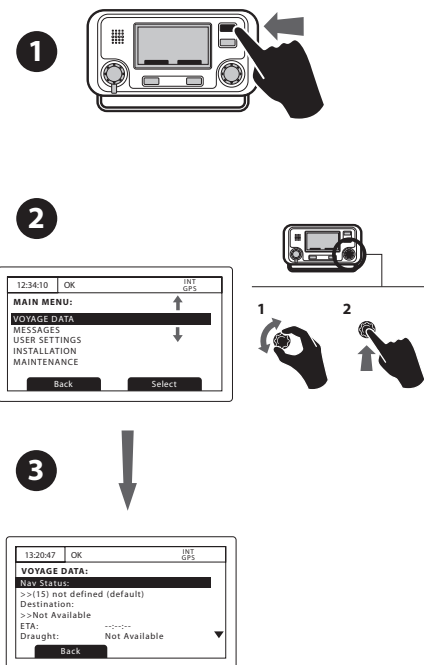## Receiving AIS text and safety related messages

Receipt of AIS text messages is indicated by the presence of the message icon in the status bar. This symbol appears whenever unread AIS text messages are present. The messages can be viewed by moving to the 'Messages' screen.

```
13:20:47   OK              INT
                            GPS
RECEIVED MESSAGES:
DATE    TIME    FROM        TYPE
29/01   10:00   MARY R...   B R Safety
29/01   09:55   SS6444321   AD Safety
28/01   21:45   REGENT      B R Binary

        View              Screen
```
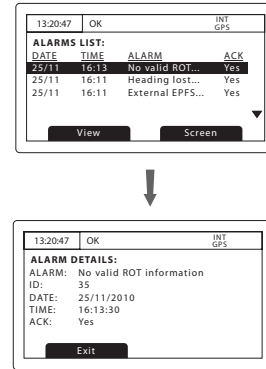
Vessel and voyage data

The 'Voyage data' menu provides quick access to the most frequently changed Inland AIS parameters. In this menu you can set the following parameters:

● Navigation status.

● Destination - Set the destination for the current voyage.

● ETA – Estimate the time and date of arrival at the destination. The date format is dd/mm and the time format is hh:mm using a 24 hour clock and UTC time.

● Draught – Enter the maximum draught for your vessel in meters. The format for this value is xx.xm (eg 02.5m). The maximum depth is 25.5 m.

● The cargo status of the vessel as 'Loaded' or 'Unloaded'.

● The number of blue cones and blue flag status for the cargo (1, 2 or 3 blue cones, or blue flag).

● The static draught of the vessel to the nearest centimetre.

● The air draught of the vessel to the nearest centimetre.

● The number of crew members (0 to 254 or "unknown"), the number of passengers (0-8190 or "unknown ") and other personnel (0 to 254 or "unknown").

● The number of assisting tug boats (0 to 6).

1

2

```
12:34:10   OK              INT
                            GPS
MAIN MENU:                   ↑
VOYAGE DATA
MESSAGES
USER SETTINGS               ↓
INSTALLATION
MAINTENANCE

        Back              Select
```

1   2

3

```
13:20:47   OK              INT
                            GPS
VOYAGE DATA:
Nav Status:
>>(15) not defined (default)
Destination:
>>Not Available
ETA:              --:--:--
Draught:      Not Available  ▼
        Back
```

System alarms

The status of AIS alarms is displayed on this screen. If active, but not yet acknowledged alarm conditions exists, the alarm icon flashes in the status bar. When a new alarm condition occurs, the acknowledgement screen is immediately displayed.

```
13:20:47   OK              INT
                            GPS
ALARMS LIST:
DATE    TIME    ALARM         ACK
25/11   16:13   No valid ROT...  Yes
25/11   16:11   Heading lost...  Yes
25/11   16:11   External EPFS... Yes
                                 ▼
        View              Screen
```

```
13:20:47   OK              INT
                            GPS
ALARM DETAILS:
ALARM:   No valid ROT information
ID:      35
DATE:    25/11/2010
TIME:    16:13:30
ACK:     Yes
        Exit
```

Ship data for convoys

The inland AIS dimensions and the vessel type must be the overall size and the type of the convoy. Enter the ship's data as follows:

1. Set the length and breadth of the convoy, and the ERI ship type.

a. From the main menu select the 'Installation' submenu.

b. Select "Inland AIS" and then select "Inland vessel data".

c. Select the 'Length' field and enter the total length of the convoy to the nearest 0.1m*.

d. Select the 'Beam' field and enter the total width of the convoy to the nearest 0.1m*.

e. Select the ERI entry and enter the code that best describes the convoy. A complete table of ERI vessel type codes is provided at the rear of the user manual.

2. Configure the GNSS antenna location for the convoy.

a. From the main menu select the 'Installation' submenu.

b. Choose "Dimensions" and then select "Internal Dimensions".

c. Enter the dimensions A, B, C and D for the internal GNSS antenna (antenna connected directly to the Inland AIS). The dimensions should be rounded to the nearest whole meter*.

```
        C    — GNSS-Antenne

   B              A

        D
```
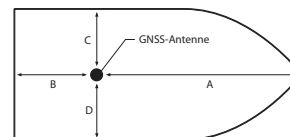
* Note that the length and width of the vessel entered in step 1, must correspond to the antenna dimensions entered in step 2. The dimensions entered in step 1 are rounded to the nearest whole meter and compared with the dimensions entered in step 2. In the case of a discrepancy during entry of the dimensions a warning is displayed. This notice may be acknowledged by pressing the 'OK' function key.