BUOY-TRAK AIS Transponder
INSTALLATION GUIDE

1. What do I need?

<table>
<thead>
<tr>
<th>Included</th>
<th>Not included</th>
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<tbody>
<tr>
<td>BUOY-TRAK</td>
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<tr>
<td>Fixings kit (417-0025)</td>
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<tr>
<td>Configuration charger (417-0068)</td>
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<tr>
<td>Protective cap &amp; lanyard</td>
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<td>Spanner (10mm)</td>
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<td>PC</td>
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2. Charging BUOY-TRAK

Fully charge BUOY-TRAK before first use.

1. Install the supplied proBUOY-TRAK software from the CD provided.
2. Connect the configuration charger to a PC via the supplied USB cable and insert BUOY-TRAK into the powered configuration charger.
3. Run the BUOY-TRAK software and select the required mode of operation.

4. BUOY-TRAK configuration

1. Select BUOY-TRAK mode.
2. Connect to BUOY-TRAK by selecting the required COM port and clicking ‘Connect’.
3. Configure BUOY-TRAK as required (see CONFIGURATION FIELDS below).
4. Click the icon shown to send the configuration to BUOY-TRAK.
5. Disconnect from BUOY-TRAK by clicking ‘Disconnect’.
6. Repeat steps above to configure additional BUOY-TRAKs in this mode.

CONFIGURATION FIELDS

AtOn name: Enter the AtOn name or other identification.
MMSI number: Enter the AIS AtOn’s 9 digit MMSI number.
AtOn type: Select the most appropriate AtOn type from the drop down list.
Type of EPFS: The EPFS used by the AtOn can be set to either Autonomous (uses the GNSS fix) or Surveyed (uses the nominal position entered). For surveyed positions the accuracy of the measurements (less than or greater than 10m) can be added.
Nominal Position: The charted (or intended) location of the structure being marked.
Off Position Threshold: The distance (m) by which the AtOn may vary from its nominal position before it reports being off position.
RACON Fitted: Allows the setting of the racon flag in the message #21 to indicate that a radar beacon is also available at the reported location.
Message Schedule: The start slot, interval between messages and start UTC for both channels A and B can be configured for the message #21.
AtOn’s dimensions: Enter the AtOn dimensions, referenced to the location of the AIS AtOn, to the nearest whole metre.
Configuration of AIS operating frequencies: Select the required operating VHF frequencies for transmissions.
The default channels are:
Channel A = 161.975MHz
Channel B = 162.025MHz
The default channels are intentionally reserved for AIS and should not normally be adjusted.

5. Install BUOY-TRAK

6. Check operation

BUOY-TRAK is working correctly when the light flashes once every 5 seconds.

7. Recharge BUOY-TRAK

Charging will be required approximately once every 5 days. The indicator will flash twice to indicate battery is low.

Before charging check that the connector is dry.

LED Flash codes

In operation
1 short flash in 5 seconds Operating normally
2 short flashes in 5 seconds Low battery
5 short flashes in 5 seconds Waiting for GPS fix
7 short flashes in 5 seconds No MMSI

In the charger
1 long flash in 5 seconds Charging
Continuous Charge complete