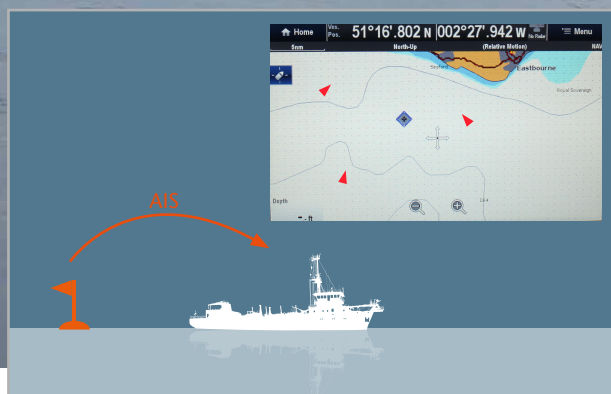


BUOY-TRACKER - FISHING BUOY TRACKING TRANSPONDER



Internationally legally certified
AIS AtoN (Type1).

BUOY-Tracker, enables you to electronically mark any type of fishing buoy. BUOY-Tracker uses internationally certified AIS technology to continuously transmit its exact GPS location to your existing navigation display as well as warn off other shipping in the area – or if you enable encryption, just you.

Easy and quick to clip to any buoy type and completely waterproof (IPx8 certified), BUOY-Tracker has an internal rechargeable battery that allows it to operate continuously for over 120 hours between charges.

BUOY-Tracker is a certified AIS AtoN transceiver which is especially certified and legal for use on buoys. Its tough high quality construction makes it ideal for long term continuous use in even the harshest conditions.

Convenient, easy to use, low cost, certified and with a range of accessories to make things even easier, BUOY-Tracker will enable you to reliably locate and protect your fishing buoys using your existing AIS and navigation displays in all weathers all year round.

Product Highlights

- BUOY-Tracker is a high quality professional grade buoy marker that will withstand the harshest environments ensuring greater longevity and therefore lower overall lifetime cost
- BUOY-Tracker's superior antenna properties deliver proven improved range performance compared with comparable products
- BUOY-Tracker's innovative battery management system ensures increased longevity between charges
- BUOY-Tracker is internationally certified to operate as an AIS AtoN thereby correctly marking the buoy as an AtoN and not incorrectly as a vessel like all the other competition

BUOY-TRACKER - FISHING BUOY TRACKING TRANSPONDER

Quick and easy to install on any buoy.



BUOY-Tracker is designed for quick and easy installation on any buoy - even in cold and wet conditions. Insertion into bracket automatically activates transponder

Over 5 days continuous operation – easy to recharge



Long-life, high capacity rechargeable Li-ion battery with advanced battery management system ensures extended use between charges.

Correct Buoy ICON automatically appears clearly on your navigation display along with ID reference



BUOY-Tracker is a fully certified AIS AtoN transceiver and correctly marks buoys as an AIS AtoN. This is in contrast to competing products which incorrectly mark buoys as vessels.

Physical Specification

Dimensions	375mm x 67mm max (H x D)
Weight	350g
Mounting Bracket	Min/max pole diameter: 25mm to 55mm

Electrical Specification

Power supply	Built in 2100mAh Lithium-ion battery pack
Operating time	Up to 5 days operation at 5 minute reporting interval

Encryption

Optional	128 bit with 5 keys
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VHF Transceiver

Transmitter	x1
Frequency	156.025 to 162.025MHz in 25kHz steps
Radiated Power (EIRP)	1W

GPS Receiver and Antenna

Channels	50
IEC 61108-1	Compliant
Internal GPS antenna	✓

Certification

AIS standards	IEC 62320-2 Edition 1 2008-03 IEC standard, AIS AtoN Stations ITU-R M. 1371-5 Universal AIS Technical Characteristics
Environmental standard	IEC6094 5:2002-08
Product safety	EN60950-1:2006, +A11:2009 +A1:2010 +A12:2011 +A2:2013
GPS performance standard	IEC61108-1:2003-07

AtoN Functions

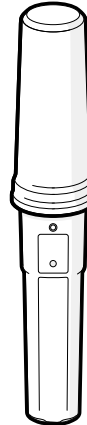
Type 1 FATDMA operation	✓
Buoy Tracker mode	✓

Environmental

Waterproof	To IPx8
Operating temperature	-15°C to +55°C

BUOY-Tracker Transponder

Product Code: 418-0066



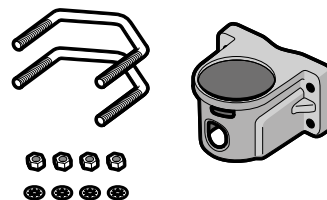
Note: You will need at least one mounting bracket and one charger.

Accessories

(Inter changeable between BUOY-Tracker transponders)

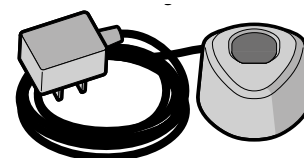
Transponder bracket and fixings

Product Code: 417-0025



Transponder programming kit and charging kit

Product Code: 417-0067



WARNING PLEASE READ: BUOY-Tracker is a certified Type 1 Aids to Navigation transceiver. Some additional functionality such as encryption may not be legal in certain territories. Please check with your local competent authority to ensure you are compliant with local rules and regulations.

em-trak Marine Electronics are specialists in AIS and all types of AIS transceivers for leisure and commercial use. Our products are manufactured in Europe using the best materials, manufacturing processes and quality standards. The exceptional field performance of our products is guaranteed through the use of core technology from the global leaders in AIS technologies, SRT Marine Systems plc.

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