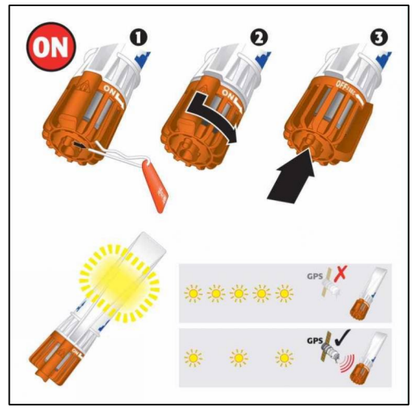


The SmartFind S10 AIS Beacon is an innovative manually activated personal portable safety device which incoporates both AIS (Automatic Identification System) and GPS technology. It is designed to aid the speedy recovery of personnel/crew members who find themselves in difficulty at sea.

When triggered, the SmartFind S10 AIS beacon transmits GPS position information to all AIS-equipped vessels and stations within range to assist fast recovery in emergency situations. Waterproof and fully submersible to 60 metres, each unit is encoded with a unique serialised ID to ensure all crew are recovered and accounted for. To further assist in recovery, the S10 also features a flashing LED light. The lithium power cell offers a minimum 24hr continuous operation and a 5 year battery storage life.

Deployment Options

1. Lanyard

2. Belt or Arm Pouch

The belt or arm pouch includes a belt loop and removable velcro arm strap.

Note that it is necessary to remove the S10 from the pouch all the time it is in operation.

It is important that the unit is returned to the holster when not in use

Safety Notices

Please take time to read this manual fully before using the SmartFind S10 as it contains important information regarding the correct use and maintenance of the product.

It is recommended that the Short Test is performed monthly. Return the S10 to a service centre for battery replacement if battery level is low. Confirm that the battery expiry date shown is in date for the duration of intended use.

The S10 is buoyant but must be kept in physical contact with you when activated as your body forms part of the antenna.

The S10 must always be kept above water when activated, as direct contact with the sea will severely reduce the transmission range.

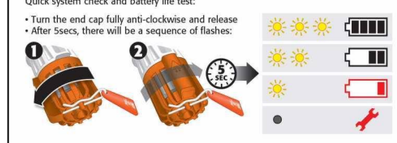
For optimum transmission, the S10 must be held upright when activated.

Ensure that the red area marked obstructed or covered in any way clear view of the sky.

Short Test

Quick system check and battery life test:

- Turn the end cap fully anti-clockwise and release
- After 5secs, there will be a sequence of flashes:



Long Test

Full system check including GPS activation and live test message transmission.

- Requires a clear view of the sky.
- Ensure GPS Zone on unit is not obstructed.
- Perform away from busy sea areas where the test transmission could confuse other AIS users.
- Turn the end cap anti-clockwise and hold for 10secs.
- Unit will flash every 1sec until GPS fix is achieved.
- After 1 minute a test message is sent, which will be visible to all AIS systems within range.
- At the end of the test, 3 long flashes indicates the test is successful. No flashes indicates the test has failed.
- If the Long Test fails, check the GPS Zone has a clear view of the sky and re-test. If the test fails a second time, return the unit to the service centre.

Specification

Standards	IEC 61097-14, 60945 (environmental/EMC), 61108 part 1, ITU-R M.1371
Sealing depth	Immersion to 60m (200ft)
Operating temperature	-20 to +55°C (-4 to +131°F)
Storage temperature	-30 to +70°C (-22 to +158°F)
Battery type	Lithium Manganese
Transmit duration	24 hours
Battery life (storage)	5 years
Frequency	161.975 & 162.025MHz
Power	2W nominal
AIS Messages Transmitted	Message 1 (UID, GPS position, SOG, COG, UTC) Message 14 (MOB ACTIVE or MOB TEST)
First Transmission	After 15 seconds (No GPS)
Range	4 nautical miles (typical) with AIS receiving antenna > 5m above sea level
Unique ID Number	Factory Programmed
GPS Type	50 channel, ceramic patch antenna
GPS Position Update	Every minute
Size (D x W x L)	198.5 x 47mm (7.8 x 1.85in)
Weight	170g (6oz)
Standard Compass Safe Distance	1* at 65cm (2' 2")

EC Declaration of Conformity

Hereby McMurdo Ltd declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC. The Declaration of conformity can be obtained from *www.mcmurdolimited.com/documents*.

McMurdo Ltd hereby declares that all materials, components and products supplied are in full compliance with RoHS & Weee directives. CE 0168

Use of this equipment requires a user licence, it may be operated in the following EC countries:

AT	CY	CZ	DK	EE	FI
FR	DE	GR	HU	IE	IT
LV	LT	LU	NL	PL	PT
SK	ES	SE	GB	IS	LI
NO	CH	BG	RO	TR	MT

Caution

DO NOT ACTIVATE EXCEPT IN AN EMERGENCY

- This product is designed for use with an AIS receiver and is not a substitute for a PLB or EPIRB.
- This beacon is intended for use within the maritime environment where permitted by national administrations. When activated, it transmits a digital alert message to any vessel or shore station in radio range which is equipped with an AIS receiver.
  Deliberate misuse of the device could result in a penalty.
- Product and battery pack contain no user-serviceable parts. Do not dismantle.
- Base contains a magnet - maintain compass safe distance of 65cm (2' 2").
- Contains lithium batteries. Do not incinerate, puncture, deform, short-circuit or recharge.
- Avoid cleaning the unit with chemical solvents as this may damage the case material.
- Radio Licensing. This product is a radio transmitter. Some administrations may require that the user holds a valid radio license to cover its ownership and use.
- As AIS beacons are still very new, not all small-craft chart plotters with AIS show the correct SART icon as recommended by the IMO. As a minimum, they will show the same icon as used for other craft - normally an arrow. In addition, user settings generally allow you to configure the display to show the MMSI number, which in AIS Beacons will always begin with 97. This will differentiate AIS Beacons (SARTs) from normal AIS targets. If in doubt, check with your plotter manufacturer how they display SARTs on screen.
- **False alarm:** If the unit has been accidentally activated contact the coastguard.

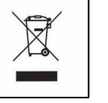
SART icon

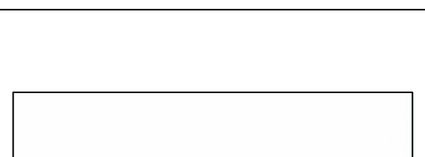
Transportation

- Product contains small lithium metal batteries.
- **Passenger aircraft:** Product can normally be carried on passenger aircraft in carry-on baggage as a personal item. It is recommended that you declare the device to airline staff at check-in, in the same way you would a laptop PC or video camera.
- **Air cargo:** Not restricted as air cargo under IATA code UN3091–PI970. Always check with carrier for additional restrictions.

End of Life Statement

- At the end of its life, the product must be disposed of according to local laws and regulations. Because the product contains a battery it must be disposed of separately from household waste.
- Do not incinerate, but take it to a recycling facility.





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The User Guide for this product is designed to be printed on a single sheet of paper in four languages:

English, French, Spanish and German.

The artwork file for this User Guide is very large.

This Exhibit reproduces the English language content of the User Guide.