



ORBCOMM™

 **POLE STAR**

 **weatherdock**

Hali creates an environment of safety and security for small craft and the organisations responsible for them.

Protection and accountability are no longer luxuries. Hali combines terrestrial AIS, satellite AIS, and satellite M2M technology all into one affordable and reliable solution.

Created for small craft fleet owners and operators, maritime authorities, and enforcement agencies, Hali delivers vessel locations through coastal and satellite AIS transmissions, which are augmented with ORBCOMM satellite M2M messaging, ensuring complete vessel visibility to maximise maritime safety, security, and environmental compliance.



Hali Technical Specifications

Satellite messaging augmented Class B AIS transponder

Physical	
Mechanical dimensions	128mm (+120mm cover if applied) x 76mm x 50mm
Weight	350g
Mounting	Easy to install mounting socket available

Power	
Batteries	Rechargeable lithium manganese batteries, high end technology with very low self-discharge Non-hazardous battery for safe and unrestricted transportation
Operating time	Depending on defined reporting rate and type of modes, up to 120 hours
Charging time	Approx. 4.5 hours (longer with optional solar cell)
Charging	9 - 32V DC or by means of universal AC/DC adapter 12V

Environmental	
Operation temperature	-20°C to +65°C
Storage temperature	-30°C to +75°C
Waterproof	Immersion to 10m down water level
Buoyancy	Floating
Exterior finish	Highly visible red
Compass safe distance if active	80cm
Mechanical shock	Drop into water: 20m Drop on concrete surface: 1m
Thermal shock	Temperature difference: 45K
Resistance	Oil, seawater and sunlight resistant

Operational	
Activation	Manual, via 'ON' button push
Alert mode	Manual, via 'Alert' button push to alert on AIS terrestrial network (Option) To alert on ORBCOMM satellite M2M network
Self-test mode	Yes
LED	Highly visible Test, ON, GPS indicators
Programming/configuration	(Option) Remotely through ORBCOMM satellite M2M network

Position reporting	
Position update	GPS position update every 60 seconds
Reporting interval	Programmable, based on time intervals or distance
Data delivery	Tri-modal: Terrestrial AIS, satellite AIS, ORBCOMM satellite messaging

AIS	
Operating frequencies:	4 channels for TX, 2 for terrestrial AIS, 2 for Sat-AIS, alternating Minimum 2 W EIRP, typical app. 3W EIRP
Receiver	Carrier sense

Satellite	
Network	ORBCOMM M2M

GPS	
Integrated	50 channels
Position fix (cold start)	Typically less than 1 minute when operated in an area with good satellite coverage
GPS SBAS (Satellite based augmentation systems)	WAAS, EGNOS, MSAS

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