LOWRANCE

SIMRAD

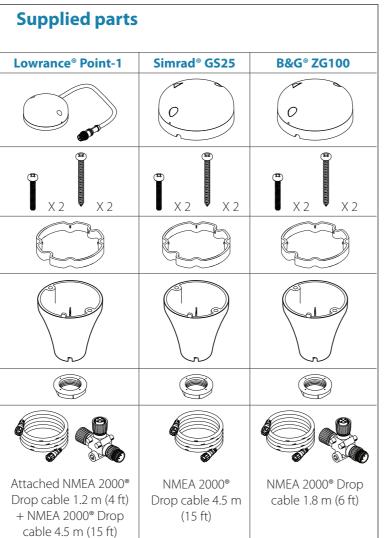
B&G

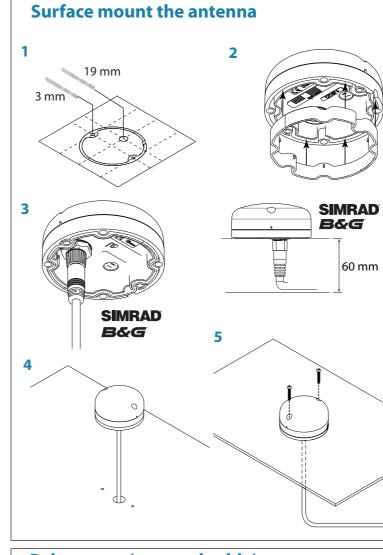
GPS Antenna With built-in Heading Sensor

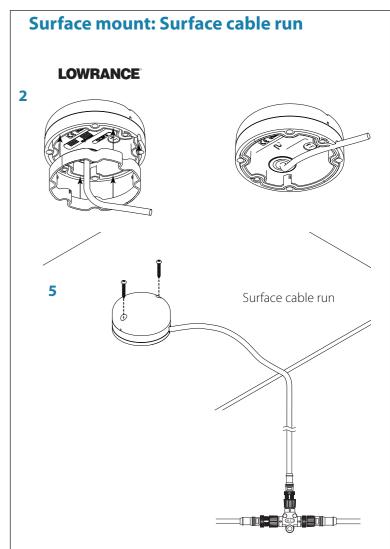
Installation Guide ENGLISH



 $www.lowrance.com \,|\, www.simrad-yachting.com \,|\, www.bandg.com$



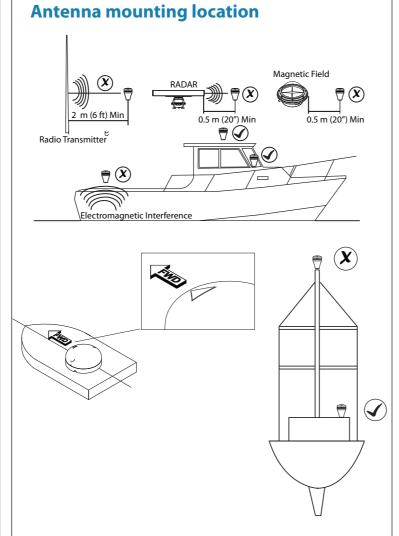


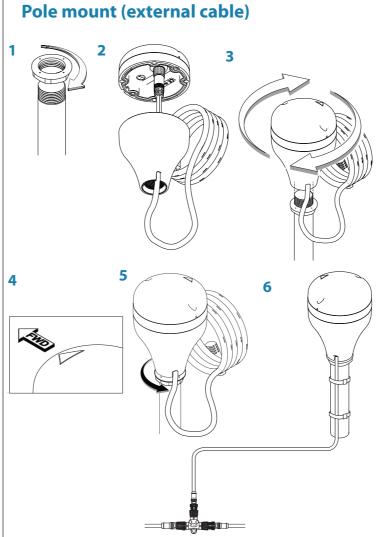


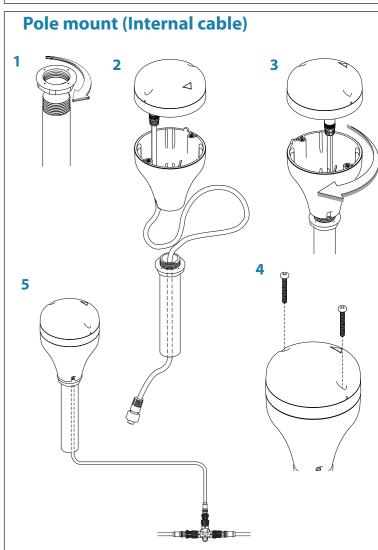


SIMRAD

B&G









	Conoral
Docaiver tune	General
Receiver type	L1, C/A code, 1.575 GHz frequency/L2 C/A code, 1.602 GHz frequency
Channels	32 channels
Position update rate	Up to 10 Hz (1,5,10)
Horizontal accuracy	3 m (9.8 ft)
Heading accuracy	+/- 3°
Rate of turn accuracy	+/- 3°
Roll/Pitch accuracy at 30°	+/- 1°
Cold start	50 sec
Start-up time	3 sec
Satellite reacquisition	5 sec
	Environmental
Operating temperature	-25° C to +60° C (-13° F to +140° F)
Storage temperature	-40° C to +85° C (-40° F to +185° F)
Splash proof	IPX7
Humidity	40° C, 93% RH, operating
	Electrical
Input voltage	9 V DC - 18 V DC
Reverse polarity protection	Yes
Power consumption	< than 2 W
Current consumption	< 100 mA at 12 V DC
Dimensions	90 mm (diam) x 38 mm (height)
	3.54" (diam) x 1.50" (height)
Weight	0.14 Kg (0.3 lbs) aprox
Power/Data cable	NMEA 2000® thru NMEA 2000® network
Antenna connector	NMEA 2000® Micro C
Mounting	Flush mount / Standard pole mount
(Communications
Data I/O Protocol	NMEA 2000®
N	MEA 2000® PGNs
PGN Number	PGN Title
126992	System time
129025	Position, Rapid update
129026	COG & SOG RU
129029	Position data
129539	GNS DOP
129540	GNS Satellites in view
127258	Magnetic variation
127250	Compass heading (Vessel heading)

Compliance Statements

127251

WARNING: The user is cautioned that any changes or modifications not expressly approved by the part responsible for compliance would void the user's authority to operate the equipment.

Rate of turn

Navico declare under our sole responsibility that the product conforms with the requirements of:

- Comply with CE under RED 2014/53/EU Directive.
- Comply with the requirements of level 2 devices of the Radiocommunications (Electromagnetic Compatibility) standard 2017.

The relevant Declaration of Conformity is available in the following website under model documentation section:

www.lowrance.com, www.simrad-yachting.com, www.bandg.com

®Reg. U.S. Pat. & Tm. Off, and ™ common law marks. Visit www.navico.com/intellectualproperty to review the global trademark rights and accreditations for Navico Holding AS and other entities.

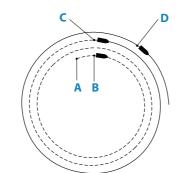
Heading sensor calibration

The built in heading sensor will need to be calibrated before use to compensate for local magnetic fields on your vessel for accurate chart with radar overlay.

Auto Calibrate mode

Before the heading sensor calibration is started, make sure that there is enough open water around for the vessel to make multiple full turns. The calibration should be done in calm sea conditions and with minimal wind to obtain best results.

- A Disconnect then reconnect the sensors NMEA 2000® cable.
- **B** Make two consecutive turns of 360 degrees. The completion of these two turns automatically activates the Auto Calibration procedure.
- C Continue with a smooth third turn and a quarter (of at least 390 degrees) within 2 to 5 minutes, to complete the calibration.
- Calibration should be complete. If the time is outside the limits, the calibration is void and the radar overlay may not appear accurate on your chart. Repeat steps A-D if calibration fails.



Calibration from a Multifunction display

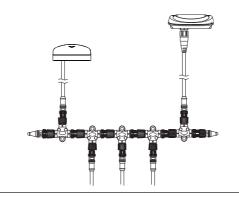
Calibration can be performed from a compatible Multifunction display, instrument display or autopilot controller. For more information, refer to the documentation for your display unit.

Multiple heading sensors on the network

WARNING: Point-1 is a heading sensor and GPS antenna. By default, Point-1 is a heading sensor if there are no other heading sensors on the network. If there are two Point-1 units on the network, only one can be a heading sensor, the other will function as a GPS antenna. In this case, the Point-1 unit that is used as the heading sensor must be set to instance '1'.

If there is a Point-1 unit and another heading sensor on the network, such as Precison-9, the latter would be the heading sensor by default.

If you have multiple Simrad® GS25 or B&G® ZG100 heading sensors on the network, your MFD will only receive data from the heading sensor set as the compass source in the system.



12 V DC Power supply

SIMRAD SIMRAD B&G -14 Threads per inch -25.4 mm (1.00") LOWRANCE

Heading sensor application

This sensor includes an electronic heading sensor to provide chart stabilization, course over ground at low speeds, and overlay of radar on charts.

