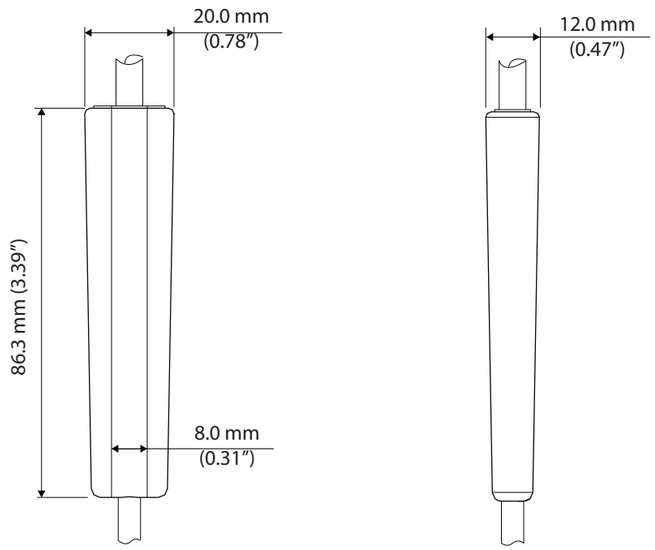
Dimensional drawing



Disclaimer

This product is not a substitute for proper training and prudent seamanship. It is the owner's sole responsibility to install and use the equipment in a manner that will not cause accidents, personal injury or property damage. The user of this product is solely responsible for observing maritime safety practices.

Navigational features that appear in this guide are not a substitute for proper training and prudent seamanship. They do not replace a human navigator and SHOULD NOT be relied on as a sole or primary source of navigation. It is the operator's sole responsibility to use more than one navigational methods to ensure the route suggested by the system is safe.

NAVICO HOLDING AS AND ITS SUBSIDIARIES, BRANCHES AND AFFILIATES DISCLAIM ALL LIABILITY FOR ANY USE OF THIS PRODUCT IN A WAY THAT MAY CAUSE ACCIDENTS, DAMAGE OR THAT MAY VIOLATE THE LAW.

This manual represents the product as at the time of printing. Navico Holding AS and its subsidiaries, branches and affiliates reserve the right to make changes to the product and/or specifications at any time without notice. Please contact your nearest distributor if you require any further assistance.

Compliance statements

Australia and New Zealand

Complies with the requirements of level 2 devices of the Radiocommunications (Electromagnetic Compatibility) standard 2017.

Europe

NMEA 0183® Interface complies with CE under EMC Directive 2014/30/EU. The relevant Declaration of conformity is available in the product's section at the following website: www.lowrance.com, www.simrad-yachting.com, www.bandg.com.

United Kingdom

NMEA 0183® Interface complies with UKCA under The Electromagnetic Compatibility Regulations 2016. The relevant Declaration of conformity is available in the product's section at the following website: www.lowrance.com, www.simrad-yachting.com, www.bandg.com.

United States of America

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

Trademarks

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Warranty

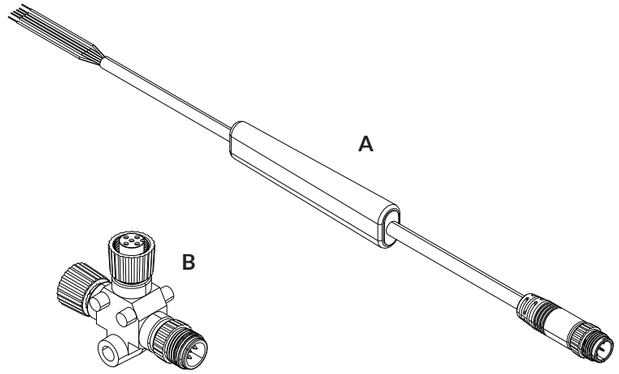
The warranty card is supplied as a separate document. In case of any queries, refer to the brand website of your unit or system: www.lowrance.com, www.simrad-yachting.com, www.bandg.com.

LOWRANCE SIMRAD B&G

988-13008-001

NMEA 0183® INTERFACE INSTALLATION GUIDE



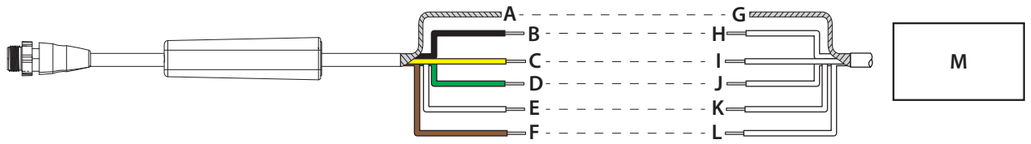


Parts included

A NMEA 0183® Interface
B NMEA 2000® T-joiner

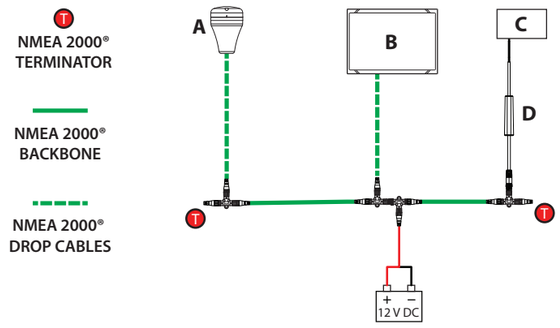
www.lowrance.com www.simrad-yachting.com www.bandg.com

Wiring



	Color	Description
A	Bare	Shield
B	Black	NMEA 0183® - Ground
C	Yellow	Rx_A (Listener A)
D	Green	Rx_B (Listener B)
E	White	Tx_A (Talker A)
F	Brown	Tx_B (Talker B)
G	Bare	Shield
H	Unknown color	NMEA 0183® - Ground
I	Unknown color	Tx_A (Talker A)
J	Unknown color	Tx_B (Talker B)
K	Unknown color	Rx_A (Listener A)
L	Unknown color	Rx_B (Listener B)
M	-	NMEA 0183® device

System wiring example



A GPS sensor
B MFD
C NMEA 0183® device
D NMEA 0183® Interface

Power

The converter is designed to be powered by the NMEA 2000® network at 12 V DC via an NMEA 2000® Micro-C connector (Male).

Software

The converter will decode NMEA 0183® and convert the data to NMEA 2000® and vice-versa.

This device can be configured from a compatible multi-function display (MFD) or instrument display via the device list and configuration tab.

Technical specifications

Environmental		
	Operating temperature	-15°C to +55°C (5°F to 131°F)
	Waterproof rating	IP67
Electrical		
	Power supply voltage	12 V DC
	Operating voltage	9 V DC - 18 V DC
	Power consumption	2 LEN, 0.66 W (55 mA at 12 V)
	Reverse polarity protection	Yes
Baud rate		4800 (default), 9600, 19200, 38400, 57600, 115200
Physical		
	Weight	0.1 kg (0.2 lbs)

Supported sentences

Sentence	Description	PGN	RX	TX
AAM	Waypoint arrival alarm	129284	✓	✓
APB	Heading/track controller (autopilot) sentence B	129283, 129284	✓	✓
BOD	Bearing - Origin to destination	129284	✓	
BWC	Bearing and distance to waypoint - Great circle	129284	✓	✓
DBT	Depth below transducer	128267	✓	
DPT	Depth	128267	✓	✓
GGA	Global positioning system (GPS) fix data	129025, 129029	✓	✓
GLL	Geographic position - Latitude/longitude	129025, 129029	✓	✓
GSA	GNSS DOP and active satellites	129539	✓	✓
GSV	GNSS Satellites in view	129540	✓	✓
HDG	Heading, deviation and variation	127250	✓	✓
HDT	Heading true	127250	✓	✓
MTW	Water temperature	130310	✓	✓
MWD	Wind direction and speed	130306		✓
MWV	Wind speed and angle (Relative wind and True wind)	130306	✓	✓
RMA	Recommended minimum navigation information	129025, 129026, 127258	✓	
RMB	Recommended minimum navigation information	129283, 129284	✓	✓
RMC	Recommended minimum navigation information	129025, 129026, 129033, 127258	✓	✓
ROT	Rate of turn	127251		✓
THS	Heading - True data	127237, 127250	✓	✓
VBW	Dual ground/Water speed	128259	✓	✓
VDR	Tide data	130577		✓
VHW	Water speed and heading	128259, 127250	✓	✓
VLW	Dual ground/water distance	128275	✓	✓
VTG	Course over ground and ground speed	129026	✓	✓
XDR	Transducer data	130312, 127257, 130314, 127245	✓	✓
XTE	Cross-track error - measured	129283	✓	✓
ZDA	Time and date	129033	✓	✓

→ *Note:* RX/TX default supported sentences are indicated with a check mark in the table.

→ *Note:* By default, not all NMEA 0183® sentences are configured to send or receive data. The configuration of sentences can be changed via a compatible MFD or instrument display.