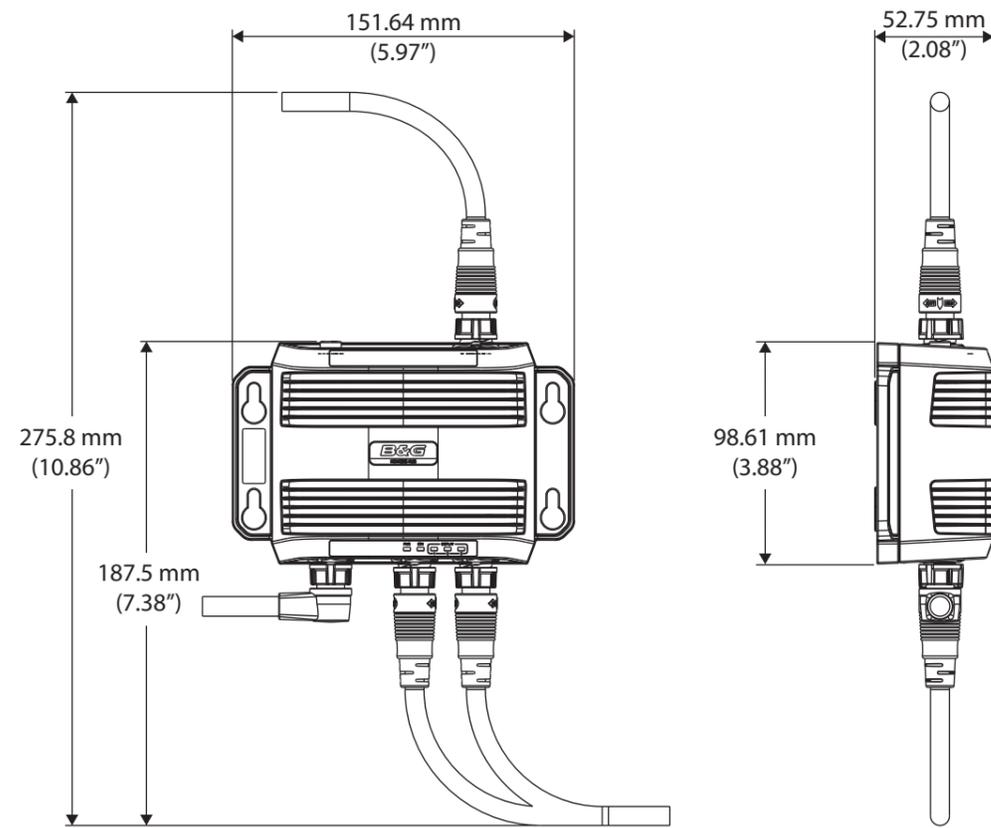
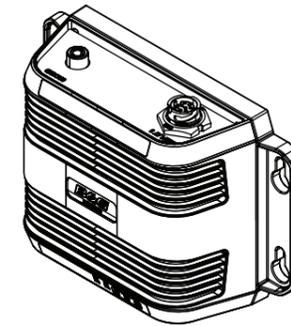


## Dimensional drawing



## NEMESIS™ HUB INSTALLATION GUIDE



## Compliance statement

### Declarations

The relevant Declaration of Conformity is available on the following websites:

- [www.bandg.com](http://www.bandg.com)

### Europe

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

- CE under EMC Directive 2014/30/EU

### United States of America

→ **Note:** 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.

### Australia and New Zealand

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

- level 2 devices of the Radiocommunications (Electromagnetic Compatibility) standard 2017

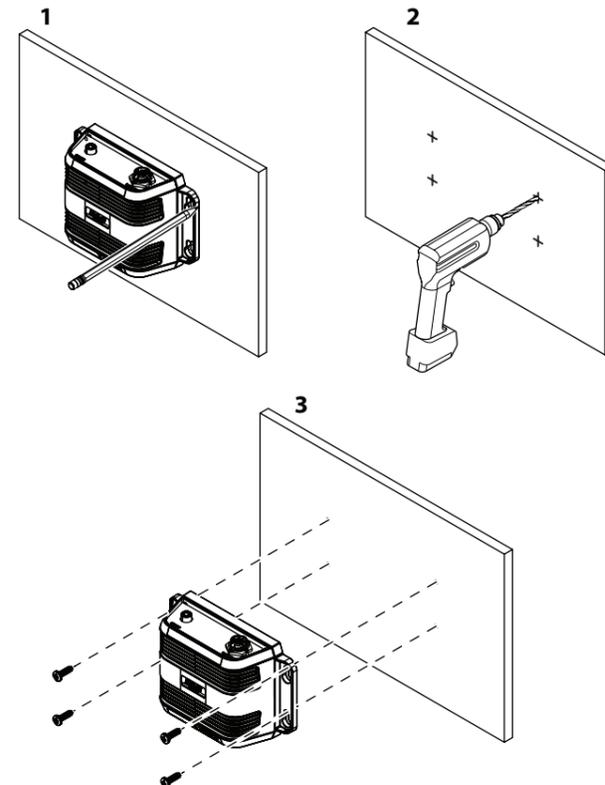
## Trademarks

®Reg. U.S. Pat. & Tm. Off, and ™ common law marks. Visit [www.navico.com/intellectual-property](http://www.navico.com/intellectual-property) to review the global trademark rights and accreditations for Navico Holding AS and other entities.

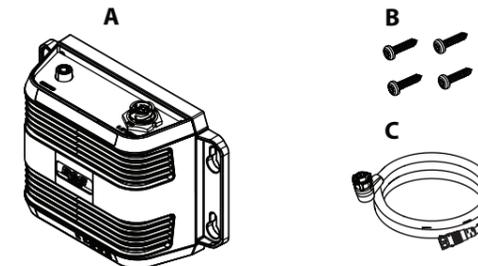
## Technical specification

Environmental	
Storage temperature	-15°C to +55°C (5°F to 131°F)
Operating temperature	-20°C to +60°C (4°F to 140°F)
Waterproof rating	IPX 6 and 7
Electrical	
Power supply	12/24 V DC
Operating voltage	12/24 V DC (10 - 31.2 V DC min - max)
Power consumption - Max	2 W + power distributed to connected displays.
Fuse rating	6 A
Physical	
Weight (box only)	240g (0.44 lbs)
Interface/Connectivity	
Ethernet/Power	1x 8-pin connector
Display	3x 8-pin Ethernet connectors
Ground	1x M4 Grounding

## Mounting

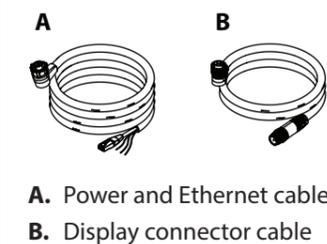


## Parts included



- A. Ethernet switch
- B. Fastening set
- C. Display connection cable
- D. Blanking caps (not shown in the illustration)

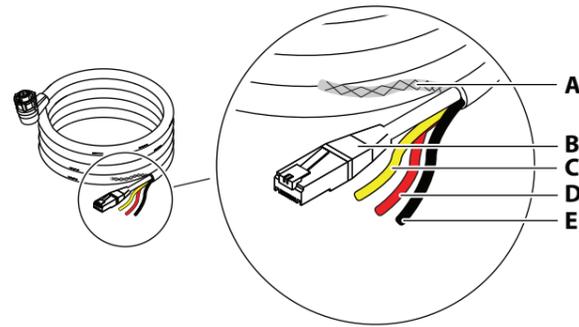
## Accessories (sold separately)



- A. Power and Ethernet cable
- B. Display connector cable

## Ethernet and power wiring

- A. Shield
- B. Ethernet connector (RJ45)
- C. Not used, yellow
- D. +12/24 V DC, red
- E. DC negative, black

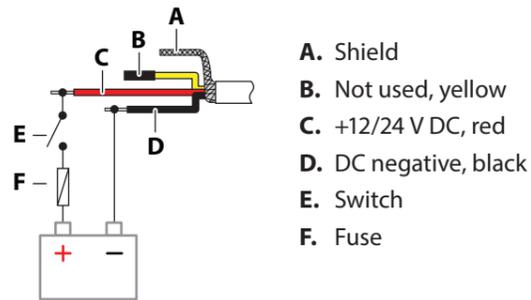


### Power

The unit is designed to be powered by 12 or 24 V DC system. It is protected against reverse polarity, under voltage, and over voltage (for a limited duration). A fuse or circuit breaker should be fitted to the positive supply. For recommended fuse rating refer to the technical specifications.

The shield (A) can in most cases be insulated from all other wires. If interference is encountered from other on board electronics, the shield can be connected to a vessel hull ground to help reduce any interference, but it is not generally required.

The yellow wire (B) in the power cable is not to be used and should be insulated from all other wires.



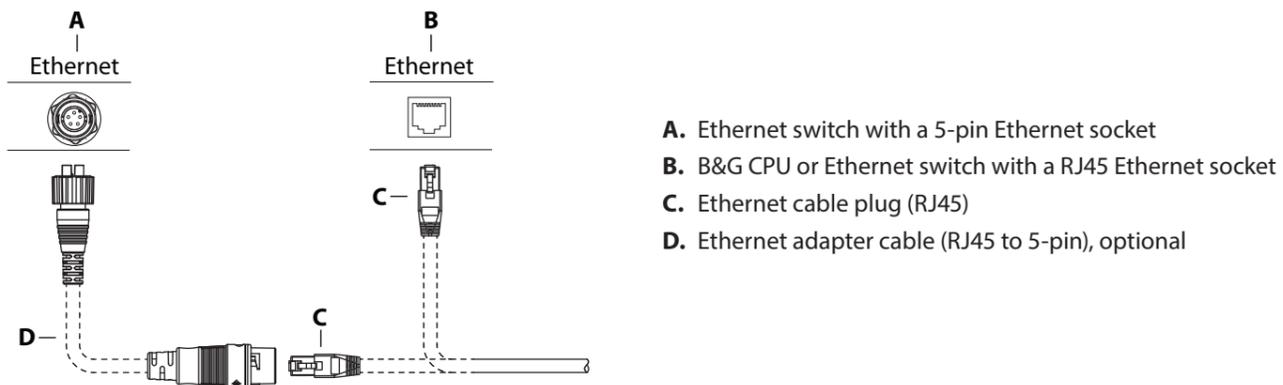
- A. Shield
- B. Not used, yellow
- C. +12/24 V DC, red
- D. DC negative, black
- E. Switch
- F. Fuse

The unit will turn on when power is applied.

### Ethernet

Connect the Ethernet connector to your vessels B&G CPU Ethernet network for transfer of data to the displays.

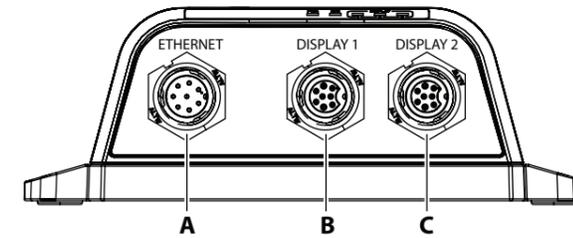
No special setup is required for establishing an Ethernet network.



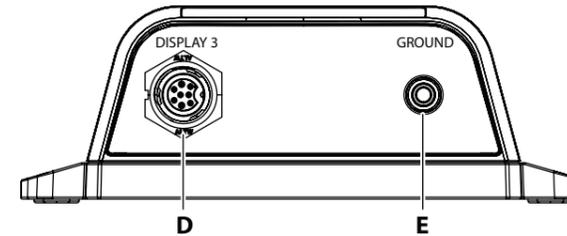
- A. Ethernet switch with a 5-pin Ethernet socket
- B. B&G CPU or Ethernet switch with a RJ45 Ethernet socket
- C. Ethernet cable plug (RJ45)
- D. Ethernet adapter cable (RJ45 to 5-pin), optional

## Connectors overview

### Bottom connectors



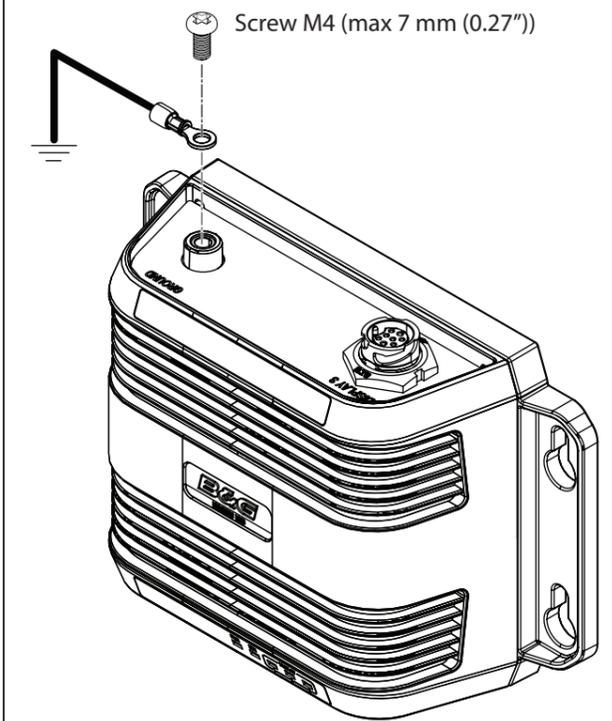
### Top connectors



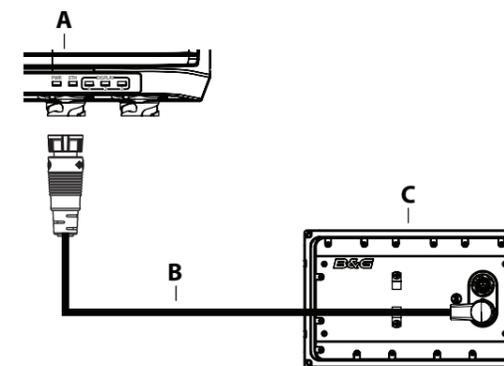
- A. Ethernet - Power and Ethernet connection
- B. Display connector 1
- C. Display connector 2
- D. Display connector 3
- E. Ground, M4

## Grounding

It is recommended to ground the unit. 1.5 mm<sup>2</sup> (16 AWG) wire.

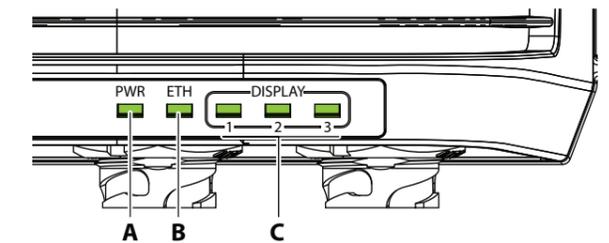


## Display wiring



- A. Ethernet switch, display port 1-3
- B. Display power and Ethernet cable
- C. Display

## LED indicators



- A. Power (PWR)  
The power indicator is lit when the unit is powered.
- B. Ethernet (ETH)  
The Ethernet indicator blinks while data is transferred between the hub and the vessels Ethernet network.
- C. Display 1-3  
The display indicators blinks while data is transferred between the hub and the connected display.