



GNX™ Wind



Installation Instructions

Important Safety Information

⚠ WARNING

See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.

⚠ CAUTION

Always wear safety goggles, ear protection, and a dust mask when drilling, cutting, or sanding.

NOTICE

When drilling or cutting, always check what is on the opposite side of the surface.

Mounting Considerations

NOTICE

This device should be mounted in a location that is not exposed to extreme temperatures or conditions. The temperature range for this device is listed in the product specifications. Extended exposure to temperatures exceeding the specified temperature range, in storage or operating conditions, may cause device failure. Extreme-temperature-induced damage and related consequences are not covered by the warranty.

The mounting surface must be flat to avoid damaging the device when it is mounted.

When selecting a mounting location, observe these considerations.

- The mounting surface must be strong enough to support the weight of the device and protect it from excessive vibration or shock.
- To avoid interference with a magnetic compass, the device should not be installed closer to a compass than the compass-safe distance value listed in the product specifications.
- If you are connecting this device to a wireless sensor, you must install it in a location where it can communicate with the wireless sensor.
- The area behind the mounting surface must allow room for routing and connecting the cables.

Mounting the Device

NOTICE

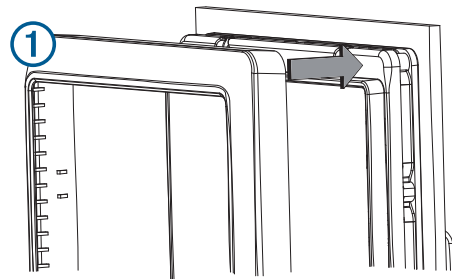
If you are mounting the device in fiberglass, when drilling the pilot holes, it is recommended to use a countersink bit to drill a

clearance counterbore through only the top gel-coat layer. This will help to avoid cracking in the gel-coat layer when the screws are tightened.

Stainless-steel screws may bind when screwed into fiberglass and overtightened. It is recommended to apply an anti-seize lubricant on the screws before installing them.

The included template and hardware can be used to flush mount the device in your dashboard.

- 1 Trim the flush-mount template and ensure it fits in the location where you plan to mount the marine instrument. The flush-mount template is included in the product box.
- 2 Remove the liner from the adhesive on the back of the template and adhere it to the location where you plan to mount the marine instrument.
- 3 If you plan to cut the hole using a rotary tool instead of a 90 mm (3.5 in.) hole saw, use a 10 mm (³/₈ in.) drill bit to drill a pilot hole to begin cutting the mounting surface.
- 4 Using the 90 mm (3.5 in.) hole saw or rotary tool, cut the mounting surface along the inside of the dashed line indicated on the flush-mount template.
- 5 If necessary, use a file and sandpaper to refine the size of the hole.
- 6 Place the marine instrument into the cutout to confirm that the mounting holes on the template are in the correct locations.
- 7 If the mounting holes are not correct, mark the correct locations of the mounting holes.
- 8 Remove the marine instrument from the cutout.
- 9 Drill the 2.8 mm (⁷/₆₄ in.) pilot holes. If you are mounting the marine instrument in fiberglass, use a countersink bit as advised in the notice.
- 10 Remove the remainder of the template.
- 11 Place the included gasket on the back of the device and apply marine sealant around the gasket to prevent leakage behind the dashboard.
- 12 If you will not have access to the back of the device after you mount it, connect all necessary cables to the device before placing it into the cutout. **NOTE:** To prevent corrosion of the metal contacts, cover unused connectors with the attached weather caps.
- 13 Place the marine instrument into the cutout.
- 14 Securely fasten the marine instrument to the mounting surface using the supplied screws. If you are mounting the marine instrument in fiberglass, use an anti-galling lubricant as advised in the notice.
- 15 Snap the bezel ① into place.



Connection Considerations

The marine instrument connects to power and to data sources through a NMEA 2000® network.

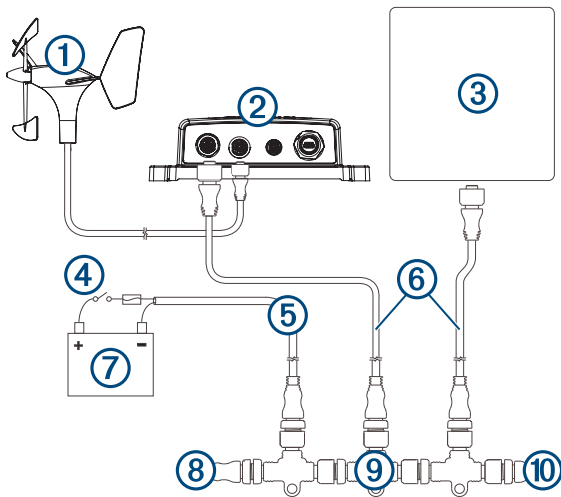
Although the instrument cannot directly receive NMEA® 0183 data, it can display NMEA 0183 data from sources connected to a GNX 20 or GNX 21 device (sold separately) on the same NMEA 2000 network.

The instrument can also receive data from Nexus® instruments and sensors using a GND™ 10 device (sold separately).

NMEA 2000 Connection Considerations

The marine instrument connects to a NMEA 2000 network on your boat. The NMEA 2000 network provides power to the marine instrument and data from NMEA 2000 devices such as a speed sensor. The included NMEA 2000 cables and connectors allow you to either connect the device to your existing NMEA 2000 network or create a basic NMEA 2000 network if needed.

If you are unfamiliar with NMEA 2000, you should read the “NMEA 2000 Network Fundamentals” chapter of the *Technical Reference for NMEA 2000 Products*. To download the reference, go to garmin.com/manuals/nmea_2000.



Item	Description
①	Wired sensor, such as a wind or boat speed sensor
②	GND 10 black box bridge
③	Marine instrument
④	Ignition or in-line switch
⑤	NMEA 2000 power cable
⑥	NMEA 2000 drop cable
⑦	Power source
⑧	NMEA 2000 terminator or backbone cable
⑨	NMEA 2000 T-connector
⑩	NMEA 2000 terminator or backbone cable

Specifications

Specification	Measurement
Dimensions without sun cover (H×W×D)	110 x 115 x 30 mm (4.33 x 4.53 x 1.18 in.)
Dimensions with sun cover (H×W×D)	115 x 120 x 35.5 mm (4.53 x 4.72 x 1.40 in.)
Weight without sun cover	247 g (8.71 oz.)
Weight with sun cover	283 g (9.98 oz.)
Temperature range	From 5° to 158°F (from -15° to 70°C)
Compass-safe distance	209 mm (8.25 in.)

Specification	Measurement
Material	Case: fully-gasketed polycarbonate Lens: glass with an anti-glare finish
Water Resistance	IEC 60529 IPX7 ¹
Power usage	1.35 W max
Unit max. voltage	32 Vdc
NMEA 2000 input voltage	From 9 to 16 Vdc
NMEA 2000 load equivalency number (LEN)	3 (150 mA at 9 Vdc)

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¹ The device withstands incidental exposure to water of up to 1 m for up to 30 min. For more information, go to www.garmin.com/waterrating.