

GMS 10 Network Port Expander Instructions



The GMS 10 Network Port Expander lets you connect more than two chartplotters and other Garmin marine network devices to share data. Simply connect one end of the network cable to your Garmin marine network device and connect the other end of the network cable to the Expander. Then, your Garmin marine network devices will be able to share information such as weather, mapping, and sounder data as well as position information.

Contents

- GMS 10 Network Port Expander (#010-00351-00)
- Garmin marine network cable (#320-00227-00)
- 7-pin power cable (#320-00023-05)
- Grommet (#252-00129-00) Use the grommet to cover holes you drill for cables.
- Optional mounting hardware kit (#K00-00123-00)

Use the kit only if you cannot mount the Expander by using the factory-drilled holes. The kit contains two brackets with two screws/nuts per bracket. Use the screws and nuts to attach the bracket to the unit. Screws to secure the Expander to your boat are not included.

Selecting a proper mount location

Mount your Expander in a location that is away from heavy foot traffic and where the network cables can easily reach your Garmin marine network devices and the Expander. If you foresee purchasing an additional Expander as you add Garmin network devices, make certain you have enough space to mount two Expanders near each other. Before you mount the Expander, consider the length at which the network cables will extend when plugged in to the Expander and allow for this extra space. If you select a mounting location that prevents you from using the Expander's factory-drilled holes, use the brackets included in the optional mounting kit. (Instructions are included in the mounting kit.)

Connecting the cable to the network port

1. Unscrew the weather cap from a network port by turning the cap counterclockwise.
2. Connect the network cable to the network port by aligning the cable head with the opening of the network port. Use the black arrow on top of the cable head as an alignment guide.
3. Tighten the cable cap to prevent the cable from vibrating loose.

Connecting the cable to a Garmin marine network device

1. Connect the network cable to the network port that is located on your marine network device (the port is labeled "Network") by aligning the cable head with the opening of the network port. Use the black arrow on top of the cable head as an alignment guide.
2. Tighten the cable cap to prevent the cable from vibrating loose.

Connecting the 7-pin power cable to your boat's battery or fuse block

The GMS 10 Network Port Expander is designed to pass control signals to turn sensors (such as the Garmin marine weather/audio satellite receiver) on and off. Thus, when you power on/off a chartplotter that is connected to an Expander, all sensors that are also connected to the Expander will automatically power on/off as well. This eliminates the need for you to individually power on/off the sensors through a circuit breaker.

The 7-pin power cable includes a Red and Black wire. Connect the Red wire to the positive (+) terminal on your battery or fuse block and the Black wire to the negative (-) terminal. Do not remove the AGC/3AG 2.0 amp fuse located on the Red wire.

Maximizing data sharing among Garmin marine network devices

Use the Expander when you need to connect more than two Garmin marine network devices. For example, if you have two chartplotters and a sensor (such as the Garmin marine weather/audio satellite receiver), you can view the sensor's information on both chartplotter screens. If you run out of connection space on one Expander, you can add another Expander to meet your data sharing needs.



Use two Expanders to allow data sharing between two chartplotters and two sensors.



Use two Expanders to allow data sharing between an even larger number of chartplotters and sensors.

LED indicator lights

Three indicator lights appear above each network port on your Expander:

- **LNK/ACT:** ON means that a link has been established between the Expander and the attached device. A FLASHING light indicates network activity.
- **DUP/COL:** ON means the attached device is operating at full network capacity. OFF or a FLASHING light means the attached device is operating at half capacity.
- **100:** ON means the network port is running at 100 megabits per second. OFF means it is running at 10 megabits per second.

FCC Compliance

The GMS10 Network Port Expander complies with Part 15 of the FCC interference limits for Class B digital devices FOR HOME OR OFFICE USE. These limits are designed to provide more reasonable protection against harmful interference in a residential installation, and are more stringent than “outdoor” requirements.

Operation of this device is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one of the following measures: Reorient or relocate the receiving antenna; increase the separation between the equipment and the receiver; connect the equipment into an outlet on a circuit different from that to which the receiver is connected; consult your Garmin dealer or an experienced radio/TV technician for help.

The GMS10 Network Port Expander does not contain any user-serviceable parts. Repairs should only be made by an authorized Garmin service center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device under Part 15 regulations.

This product, its packaging, and its components contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This Notice is being provided in accordance with California's Proposition 65. If you have any questions or would like additional information, please refer to our Web site at www.garmin.com/prop65.

Specifications

Case: Fully gasketed, high-impact plastic alloy

Waterproof: to IEC 60529, level IPX7 (submerged to 1 meter for 30 minutes)

Size: 3.5" W x 2.3" H x 11.8" D (89.0 x 57.2 x 300.8 mm)

Weight: 1.2 lbs

Temperature Range: +5°F to 158°F (-15°C to 70°C)

Source: 10 to 35 Vdc

Usage: 2.75 watts maximum

Fuse: AGC/3AG 2.0 amp

This Garmin product is warranted to be free from defects in materials or workmanship for one year from the date of purchase. Within this period, Garmin will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident, or unauthorized alteration or repairs.

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Garmin retains the exclusive right to repair or replace the unit or software or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY. To obtain warranty service, call your local Garmin-authorized dealer. Or call Garmin Customer Service at one of the numbers listed on the right for shipping instructions and for an RMA tracking number. The unit should be securely packed with the tracking number clearly written on the outside of the package. The unit should be sent, freight charges prepaid, to any Garmin warranty service station. A copy of the original sales receipt is required as the proof of purchase for warranty repairs.

Products sold through online auctions are not eligible for rebates or other special offers from Garmin. Online auction confirmations are not accepted for warranty verification. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required. Garmin will not replace missing components from any package purchased through an online auction.

This device has no service-usable parts and is fastened shut with screws. Any attempt to open the case to change or modify the unit in any way will void your warranty and may result in permanent damage to the equipment.



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