

# GARMIN<sup>®</sup>

## MINI CARD READER

### 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.

When connecting the power cable, do not remove the in-line fuse holder. To prevent the possibility of injury or product damage caused by fire or overheating, the appropriate fuse must be in place as indicated in the product specifications. In addition, connecting the power cable without the appropriate fuse in place voids the product warranty.

##### **⚠ 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.

To obtain the best performance and to avoid damage to your boat, install the device according to these instructions.

Read all installation instructions before proceeding with the installation. If you experience difficulty during the installation, contact Garmin<sup>®</sup> Product Support.

#### Tools Needed

- Phillips screwdriver
- Drill
- 2.7 mm ( $\frac{3}{32}$  in.) drill bit
- 38 mm ( $1\frac{1}{2}$  in.) hole saw

#### Card Reader 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.

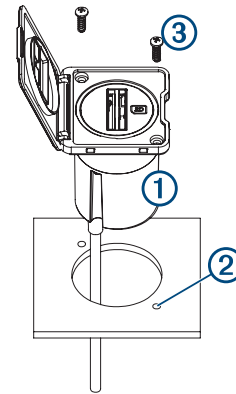
The card reader can be flush mounted in the dashboard using the included hardware. When selecting a mounting location, observe these considerations.

- The card reader should be mounted in an accessible location. You must be able to access the card reader when necessary to insert and remove memory cards containing additional mapping and device updates, and to transfer user data.
- 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.

- The location must allow room for the routing and connection of the cables.

#### Mounting the Card Reader

- 1 Select an appropriate mounting location.
- 2 Using a 38 mm ( $1\frac{1}{2}$  in.) hole saw, cut the mounting surface.
- 3 If necessary, use a file and sandpaper to refine the size of the hole.
- 4 Place the device ① into the cutout, and mark the two pilot-hole locations ②.



- 5 Remove the device from the cutout.
- 6 Drill the 2.7 mm ( $\frac{3}{32}$  in.) pilot holes.
- 7 Place the device into the cutout, with the logo right-side up.
- 8 Secure the device to the mounting surface using the included screws ③.
- 9 Install the ferrite bead on the cable, near the connector, to comply with regulations and to reduce noise.
- 10 Route the cable away from sources of interference.
- 11 Connect the cable to the USB OTG port on the compatible chartplotter.

#### More Information

##### Specifications

Dimensions (W×H×D)	50.8 × 50.8 × 61 mm (2 × 2 × 2.4 in.) excluding the cable
Weight	114 g (4.025 oz.)
Temperature range	From 5° to 158°F (from -15° to 70°C)
Material	Fully gasketed, high-impact plastic
Water rating	IEC 60529 IPX7 <sup>1</sup>
Input power	4.75 to 5.25 Vdc
Fuse	7.5 A, 42 V, fast-acting
Max. power usage at 5 Vdc	2.5 W
Typical current draw at 5 Vdc	100 mA
Max. current draw at 5 Vdc	500 mA
Compass-safe distance	53.3 cm (21 in.)

#### Innovation, Science and Economic Development Canada Compliance

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

<sup>1</sup> 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](http://www.garmin.com/waterrating).

## FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two 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 has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and may cause harmful interference to radio communications if not installed and used in accordance with the instructions. 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, the user is 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 the dealer or an experienced radio/TV technician for help.

This product 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.

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