

LGC-4000 & LGC-Baja

GPS Modules

Installation Instructions

This document covers the installation of the LGC-4000 or LGC-Baja GPS modules and how to connect them to a NMEA 2000 network.



CAUTION: *You should read all of the installation instructions before proceeding. Decide where to install all components before drilling holes in your vessel or vehicle.*

All Lowrance NMEA 2000 capable devices are either NMEA 2000 certified or certification is pending. See our web site for the latest product status information.



LGC- 4000 Module, bottom view (left) and top view (right).

The LGC module consists of a male threaded cable connector and the GPS module. The GPS module contains a 16-parallel channel GPS+WAAS receiver. The cable length from the connector to the GPS module is 18 inches (45.7 cm). The module packs with a 15' extension cable, a T connector and parts needed to mount the module on a flat surface or on a pole.

Tools and Supplies

Recommended tools include pliers and a flathead screwdriver. If you need to route the module connector through a bulkhead, you will need a drill and a 7/8" (22 mm) drill bit. If you are mounting the module directly to flat, horizontal surface, you will need a #31 (3 mm) drill bit for the screw holes.

Mounting the LGC Module

The GPS module can be mounted on any flat surface as long as there is room behind the mounting surface for the screws. The optional pole mount adapter lets you mount the antenna on a pole or swivel mount that uses standard marine 1"-14 threads.



CAUTION: *Do not mount the GPS module in the direct path of a radar antenna's beam. Radar radiates high-energy signals that can interfere with GPS signal reception.*

Surface Mount

The GPS module can be installed on any flat surface that is at least 3-1/2" (90 mm) wide. Make sure a clear, unobstructed view of the sky is available at the selected location.

Once you have determined the mounting location, drill the screw holes. The screws supplied with this unit are about 1-1/8" long (4 mm x 30 mm). Drill .120 diameter (3 mm) holes for the mounting screws.

If you need to route the cable through the mounting surface, drill a 7/8" (22 mm) hole for the cable's connector. The notch in the antenna housing allows the cable to pass through, if desired, instead of routing it down through the mounting surface.

After drilling the holes, pass the O-ring over the cable and press it into the groove on the bottom of the antenna housing.

Now attach the antenna to the mounting surface, using 4 mm screws and lock washers. Route the cable to where it connects to the network and plug it in. The installation is complete.



LGC module



**Place module
onto pole
mount**



**Attached module to
pole mount using
supplied 4mm screws**

Pole Mount

The GPS module attaches to the pole mount adapter with the supplied 4 mm screws. You can route the cable through the notch in the module housing and down the side of the pole or you can pass it through the pole mount adapter and run the cable inside the pole. The 1"-14 threads on the pole mount adapter fit a standard marine antenna mounting pole.

Powering Your GPS Module

Your LGC GPS module is powered by the NMEA 2000 network, so your network must be connected to a power source.

Expanding a NMEA 2000 network

If you want to expand your NMEA 2000 network by adding more devices, purchase a Lowrance Expansion Kit.

Refer to the NMEA 2000 General Information document, part number 988-0154-17D for more information about NMEA 2000 networks.

Notes

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LEI EXTRAS

LIMITED ONE-YEAR WARRANTY

“We,” “our,” or “us” refers to LEI EXTRAS, INC., the manufacturer of this product. “You” or “your” refers to the first person who purchases this product as a consumer item for personal, family, or household use.

We warrant this product against defects or malfunctions in materials and workmanship, and against failure to conform to this product’s written specifications, all for one (1) year from the date of original purchase by you. WE MAKE NO OTHER EXPRESS WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER CONCERNING THIS PRODUCT. Your remedies under this warranty will be available so long as you can show in a reasonable manner that any defect or malfunction in materials or workmanship, or any non-conformity with the product’s written specifications, occurred within one year from the date of your original purchase, which must be substantiated by a dated sales receipt or sales slip. Any such defect, malfunction, or non-conformity which occurs within one year from your original purchase date will either be repaired without charge or be replaced with a new product identical or reasonably equivalent to this product, at our option, within a reasonable time after our receipt of the product. If such defect, malfunction, or non-conformity remains after a reasonable number of attempts to repair by us, you may elect to obtain without charge a replacement of the product or a refund for the product. **THIS REPAIR, OR REPLACEMENT OR REFUND (AS JUST DESCRIBED) IS THE EXCLUSIVE REMEDY AVAILABLE TO YOU AGAINST US FOR ANY DEFECT, MALFUNCTION, OR NON-CONFORMITY CONCERNING THE PRODUCT OR FOR ANY LOSS OR DAMAGE RESULTING FROM ANY OTHER CAUSE WHATSOEVER. WE WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO ANYONE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR OTHER INDIRECT DAMAGE OF ANY KIND.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty does NOT apply in the following circumstances: (1) when the product has been serviced or repaired by anyone other than us; (2) when the product has been connected, installed, combined, altered, adjusted, or handled in a manner other than according to the instructions furnished with the product; (3) when any serial number has been effaced, altered, or removed; or (4) when any defect, problem, loss, or damage has resulted from any accident, misuse, negligence, or carelessness, or from any failure to provide reasonable and necessary maintenance in accordance with the instructions of the owner’s manual for the product.

We reserve the right to make changes or improvements in our products from time to time without incurring the obligation to install such improvements or changes on equipment or items previously manufactured.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

REMINDER: You must retain the sales slip or sales receipt proving the date of your original purchase in case warranty service is ever required.

LEI EXTRAS
PO BOX 129, CATOOSA, OK 74015

How to obtain service *in the U.S.*

Contact the Factory Customer Service Department. Call toll-free:

For Lowrance: 800-324-1356. For Eagle: 800-324-1354

8 a.m. to 5 p.m. Central Standard Time, M-F

Lowrance Electronics and Eagle Electronics may find it necessary to change or end their shipping policies, regulations and special offers at any time. They reserve the right to do so without notice.

How to obtain service in Canada

Contact the Factory Customer Service Department. Call toll-free:

800-661-3983

905-629-1614 (not toll-free)

8 a.m. to 5 p.m. Eastern Standard Time, M-F

How to obtain service outside Canada and the U.S.

Contact the dealer in the country where you purchased your unit. To locate a dealer near you, see the instructions in paragraph number 1 below.

Accessory Ordering Information

LEI Extras™, Inc. is the accessory source for sonar and GPS products manufactured by Lowrance Electronics and Eagle Electronics. To order Lowrance or Eagle accessories, please contact:

1. Your local marine dealer or consumer electronics store. To locate a Lowrance dealer, visit the web site, www.lowrance.com, and look for the Dealer Locator. To locate an Eagle dealer, visit the web site, www.eaglesonar.com, and look for the Dealer Locator. Or, consult your telephone directory for listings.
2. U.S. customers: LEI Extras Inc., PO Box 129, Catoosa, OK 74015-0129. Call toll free in the U.S., 800-324-0045, 8 a.m. to 5 p.m. Central Standard Time, M-F, or visit our web site www.lei-extras.com.
3. Canadian customers: Lowrance/Eagle Canada, 919 Matheson Blvd. E. Mississauga, Ontario L4W2R7 or fax 905-629-3118. Call toll free in Canada, 800-661-3983, or dial 905 629-1614 (not toll free), 8 a.m. to 5 p.m. Eastern Standard Time, M-F.

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