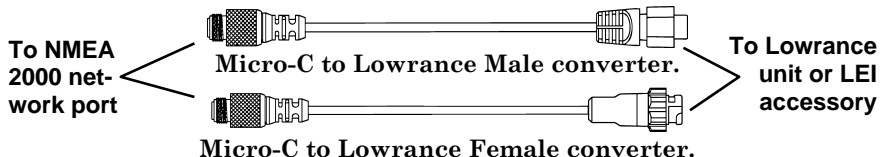




# NMEA 2000 Buss Adapter Cable and Micro-C T-shaped Connector

## Installation Instructions

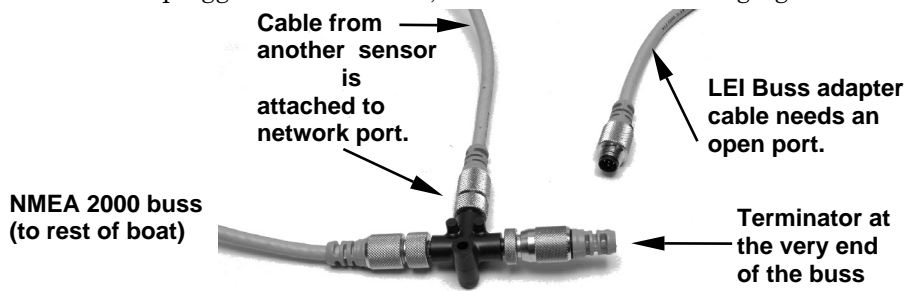
These instructions will help you connect a Lowrance or LEI product to an installed NMEA 2000 network with Micro-C connectors. To do so, you will need an adapter cable of one of the following types:



With either adapter cable connect the Micro-C plug (shown left in these figures) to an available network port on your boat's NMEA 2000 buss.

### Adding a Network Port

On a manufacturer's NMEA 2000 buss, network ports are T-shaped Micro-C connectors. Connectors found in the middle of the buss (near your dash, for instance) will have one or more of these T-shaped connectors with the network cable plugged into both sides. Connectors at the end of the buss will have the network cable plugged into one side, and a small terminator plugged into the other, as shown in the following figure.



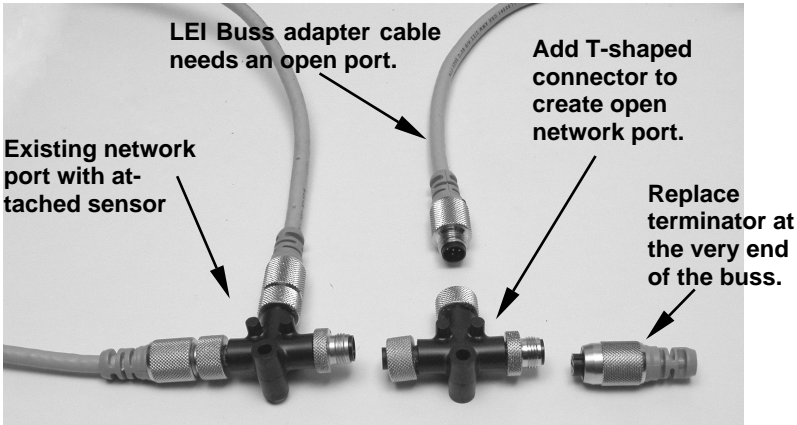
NMEA 2000 network port located at the end of a NMEA 2000 buss.

All of the ports on your boat's network will probably be filled, but if you want to add something to it, just order a Micro-C T-shaped connector from LEI (ordering information appears on the back page of this booklet).



This T-shaped connector adds a port to your NMEA 2000 buss.

You can add a port anywhere your network buss has T-shaped connectors. If you want to add in the middle of the line, then separate the network cable from one end of the attached T-shaped connectors, and attach your new T-shaped connector between them and the network cable. If you want to add a port at the end of the line (as shown in the following figure), remove the terminator from the very last connector, securely attach the new T-shaped connector, and then replace the terminator on the new connector. Either method will leave one new port available.

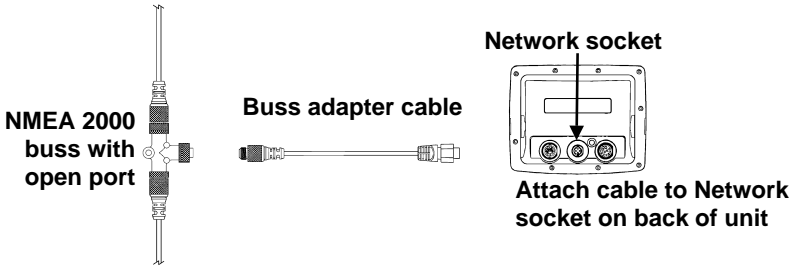


**Add an empty network port to a NMEA 2000 buss by attaching a T-shaped connector between two full ports, or between a port and the terminator at the end of the line.**

Attach the adapter cable's Micro-C connector to the new port, and the other connector to your Lowrance or LEI product.

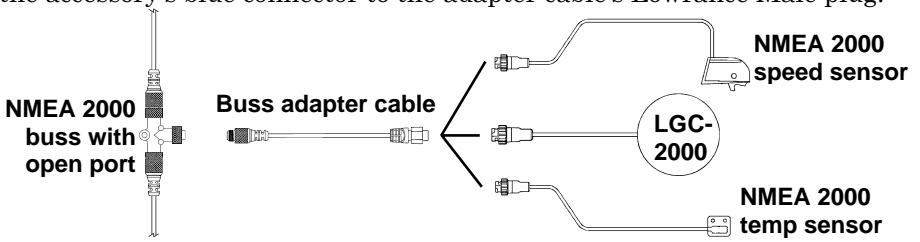
**Connecting Lowrance Male Plug to Unit or Sensor**

Most installations will use the Lowrance Male to Micro-C converter to connect a Lowrance or LEI product directly to a network port. To connect a sonar or GPS or sonar/GPS combo unit directly to a NMEA 2000 network, attach the adapter cable's Lowrance Male plug to the Network socket on the back of the unit.



Use the buss adapter cable to connect a Lowrance unit to a network port.

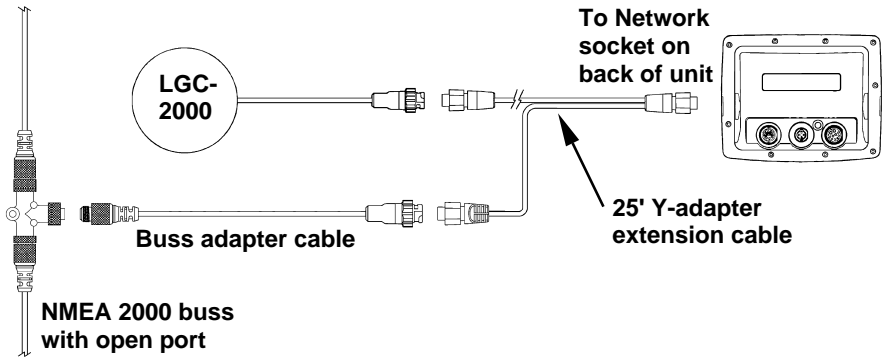
To connect an LEI sensor or GPS module directly to the network, attach the accessory's blue connector to the adapter cable's Lowrance Male plug.



Use the buss adapter cable to connect any NMEA 2000-ready LEI or Lowrance accessory to a network port

### Connecting Lowrance Female Plug to Extension Cable

With some NMEA 2000-ready GPS modules we provide a Y-adaptor extension cable that will allow you to connect both the GPS unit and the GPS module to a single NMEA 2000 network port. This installation requires the Micro-C to Lowrance *Female* converter. Connect the GPS module to the unit using the extension cable as described in the unit's manual.



### LGC-2000 and GPS unit connection to NMEA 2000 buss.

The GPS module's extension cable will have a 60-ohm terminator attached to the shorter branch. Remove the terminator and connect the adapter's Lowrance Female plug to the extension cable's shorter branch.

If you do this, be sure the unit's NMEA 2000 Power cable *is not* connected to your boat's power supply. **Never connect another power source to an operational NMEA 2000 buss.** If it's working, it's already powered, and a NMEA 2000 network should *never* be connected to more than one power source.

### NOTE:

**Keep the terminator!** If you ever disconnect the NMEA 2000 network connection, you'll have to re-attach the terminator in order for the GPS module to function correctly.

## How to Obtain Service...

### ...in the USA:

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.*

### ...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

### ...outside Canada and the USA:

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](http://www.lowrance.com), and look for the Dealer Locator. To locate an Eagle dealer, visit the web site, [www.eaglesonar.com](http://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](http://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.



Pub. 988-0154-141

Printed in USA 031804

© Copyright 2004  
All Rights Reserved  
LEI Extras, Inc.