Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Garmin 010-11085-00

Garmin NMEA 0183 Power/Data Cable User Manual

Model: 010-11085-00

1. Introduction

This user manual provides essential information for the proper installation, operation, and maintenance of your Garmin NMEA 0183 Power/Data Cable. This cable is designed to provide power and facilitate data transfer for compatible Garmin devices, specifically the GPS 17x and other devices utilizing the NMEA 0183 standard.
Please read this manual thoroughly before using the product to ensure optimal performance and safety.

2. Product Features

- **Cable Type:** 8-pin power/data cable.
- **Functionality:** Designed for both power supply and NMEA 0183 data transfer.
- **Compatibility:** Specifically compatible with Garmin GPS 17x and other devices supporting NMEA 0183 interfaces.
- **Color:** Grey.
- **Material:** Constructed from durable plastic or rubber.
- **Origin:** Made in Taiwan.

3. Setup and Installation

The Garmin NMEA 0183 Power/Data Cable is designed for straightforward connection. Ensure your device is powered off before making any connections.



Figure 1: The Garmin NMEA 0183 Power/Data Cable, showing the coiled cable, the 8-pin connector, and the individual color-coded wires for power and data connections.

1. **Identify Connections:** The cable features an 8-pin male connector on one end and individual color-coded wires on the other. Refer to your Garmin device's manual for specific wiring diagrams for power (positive and negative) and NMEA 0183 data input/output (Tx/Rx).
2. **Connect to Device:** Securely connect the 8-pin connector to the corresponding port on your Garmin GPS 17x or other compatible NMEA 0183 device. Ensure the connection is firm to prevent accidental disconnection.
3. **Wire Connections:** Connect the individual color-coded wires to your power source (12V DC) and other NMEA 0183 compatible equipment (e.g., chartplotters, autopilots) according to the wiring diagram provided with your Garmin device. Pay close attention to positive/negative and data in/out connections to avoid damage.
4. **Secure Wiring:** Once all connections are made, ensure that all exposed wires are properly insulated and secured to prevent short circuits or damage from environmental factors.

4. Operating Instructions

Once the cable is correctly installed and connected, it will facilitate power delivery and NMEA 0183 data communication between your Garmin device and other connected equipment.

- **Power Supply:** The cable provides the necessary 12V DC power to your Garmin device when connected to a suitable power source.

- **Data Transfer:** The NMEA 0183 standard allows for the exchange of navigational and sensor data between compatible marine electronic devices. Ensure your connected devices are configured to transmit and receive NMEA 0183 sentences relevant to your application (e.g., GPS position, speed, heading).
- **Device Configuration:** Refer to the user manuals of your Garmin device and any other connected NMEA 0183 equipment for instructions on configuring data ports, baud rates, and specific NMEA sentence outputs/inputs.

5. Maintenance

Proper maintenance will extend the life of your Garmin NMEA 0183 Power/Data Cable.

- **Regular Inspection:** Periodically inspect the cable for any signs of wear, cuts, kinks, or damage to the insulation, especially near the connectors and where it passes through bulkheads.
- **Cleanliness:** Keep the connectors clean and free from dirt, dust, and moisture. Use a dry, soft cloth to wipe down the cable. Avoid using harsh chemicals or abrasive cleaners.
- **Secure Connections:** Ensure all connections remain tight and secure. Loose connections can lead to intermittent power or data loss.
- **Environmental Protection:** While the cable is designed for marine environments, protect it from extreme temperatures, direct sunlight exposure for prolonged periods, and excessive physical stress.

6. Troubleshooting

If you experience issues with your Garmin NMEA 0183 Power/Data Cable, consider the following troubleshooting steps:

- **No Power to Device:**
  - Check the power source (battery, fuse, circuit breaker) to ensure it is active and providing 12V DC.
  - Verify that the power wires (positive and negative) are correctly connected and secure.
  - Inspect the cable for any visible damage or breaks.
- **No Data Transfer:**
  - Confirm that the NMEA 0183 data wires (Tx/Rx) are correctly connected to the respective input/output ports on both devices.
  - Check the NMEA 0183 settings (baud rate, data bits, parity, stop bits) on both the Garmin device and the receiving equipment. These must match.
  - Ensure that the Garmin device is configured to output the desired NMEA sentences.
  - Verify that the receiving device is configured to accept the incoming NMEA sentences.
- **Intermittent Connection:**
  - Check all physical connections for looseness or corrosion.
  - Inspect the cable for internal breaks or damage that might not be visible externally.

If issues persist after performing these checks, contact Garmin customer support for further assistance.

7. Specifications

Feature	Detail
Brand	Garmin

Feature	Detail
Model Number	010-11085-00
Cable Type	8-pin power/data cable
Compatible Devices	GPS Navigation System (specifically Garmin GPS 17x and NMEA 0183 compatible devices)
Special Feature	Data Transfer
Recommended Uses	Connecting Garmin GPS 17x and compatible devices with NMEA 0183 interfaces
Color	Grey
Connector Gender	Male-to-Male
Shape	Round
Unit Count	1 Count
Item Weight	1.4 Pounds (0.64 kg)
Specification Met	NMEA 0183
Indoor/Outdoor Usage	Indoor
Maximum Voltage	12 Volts (DC)
Outer Material	Plastic or Rubber
Product Dimensions	6 x 6 x 3 inches
Country of Origin	Taiwan
UPC	086000087463, 012300725910, 042112023850, 753759078218

8. Warranty and Support

For information regarding the warranty of your Garmin NMEA 0183 Power/Data Cable, please refer to the warranty documentation included with your original purchase or visit the official Garmin website. Garmin provides customer support for product inquiries, technical assistance, and warranty claims.

Garmin Support: For the most up-to-date support information, including contact details and online resources, please visit www.garmin.com/support.

© 2024 Garmin Ltd. All rights reserved. Garmin and the Garmin logo are trademarks of Garmin Ltd. or its subsidiaries, registered in the USA and other countries.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0016HRU4U

More documents and user manuals: **https://manuals.plus/**