Maretron

CONTACT: Larry Anderson
VP Sales and Marketing, Maretron
+1 602 861 1707
sales@maretron.com

Maretron Introduces NBE100, a Bus Extender for an NMEA 2000® Network

PHOENIX, May 5, 2011 – Maretron introduces a device to extend an NMEA 2000® network beyond its normal electrical limitations so that much larger networks can be constructed.

Maretron's NBE100 (Network Bus Extender) allows you to affectively extend the NMEA 2000® maximum node count of 50 nodes, the maximum network trunk length of 200 meters, and the maximum cumulative drop length of 78 meters of any NMEA 2000® network. By inserting an NBE100, you can double the node count to 100, double the trunk length to 400 meters, and double the cumulative drop length to 156 meters. With the addition of a second NBE100, you can triple the network size, with a third NBE100, you can quadruple the network and with a maximum of four NBE100s, you can make a network five times larger than normal.

Frank Emnett, Vice President of Engineering at Maretron, said "If you have a network that exceeds any of the electrical or physical specifications of NMEA 2000®, you can simply extend the network trunk by inserting the NBE100, along with additional termination resistors. This will split the network into multiple electrical segments, each of which can have up to 50 nodes." The NBE100 will transparently route NMEA 2000® messages between the multiple network segments, making them work as a single logical NMEA 2000® network. Advanced priority-based message routing ensures that higher-priority messages are always prioritized over lower-priority messages, enabling predictable and reliable network operation.

An added benefit of the NBE100 is the ability to isolate network segments for increased system reliability. For example, if one of the network segments is compromised, the other network segments continue to operate even if the compromised network suffers a completely severed cable. For safety critical applications, you can create completely redundant networks and use the NBE100 to bridge the two networks together.

To see this and other Maretron products, please visit us or our distributor at the following 2011 boat shows:

- *Trawler Fest: May 12-14, Anacortes, WA*
- *Southampton Boat Show: Sept 16-25 (Stand G098)*
- *NMEA Convention: Sept 28 – Oct 1, Ft. Myers, FL*
- *Trawler Fest: Oct 6-9, Baltimore, MD*
- *IBEX: Oct 17-19, Louisville, KY – Booth 2518*
- *Ft. Lauderdale International Boat Show: Oct 27-31, Ft. Lauderdale, FL*
- *Trawler Fest: Nov 10-12, San Diego, CA*
- *METS: Nov 15-17, Amsterdam, Netherlands*

Or visit us online at:
http://www.maretron.com

About Maretron

Maretron® designs, manufactures, and markets leading-edge vessel monitoring and control systems for recreational and commercial boating. Our products are designed to the open industry NMEA 2000® standard, which allows electronic equipment from diverse manufacturers to be networked together to share information throughout the vessel. For detailed product information, please visit www.maretron.com for more information.

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