

What firmware changes have taken place on the Maretron USB100?

USB100 Firmware Versions:

USB100 1.9.1.1 (2018-01-24):

USB100 2.1.1.2:

Added support for the latest NMEA2000 PGN (211)

Added support for the NMEA 2000 Heartbeat Message (PGN 126993) (4435)

2.0.3.1(08-2016):

- Changed supported NMEA 2000 database version to 2.1 (2634)
- Corrected a problem where the USB100 does not transmit the RMB sentence when it is configured to do so (3824)
- Pass along ACK/NACK messages to application (2600)

Hardware 1.0

Version 1.8.6.2 (03-2015)

- Added support for translation of J1939/NMEA 2000 Generator Total AC Energy PGN 65018, Generator Total AC Reactive Power PGN 65028, Generator Total AC Power PGN 65029, and Generator Average Basic AC Quantities PGN 65030 from a single generator to NMEA 0183 (3303)

- Added support for translation of NMEA 2000 Trip Parameters, Engine PGN 127497 to new NMEA 0183 “ETP” proprietary sentence (3306)

- Added support for translation of NMEA 2000 temperature PGNs 130316 and 130312 to NMEA 0183 and added support for multiple temperature sources (3304)
- Added support for translation of NMEA 2000 pressure PGN 130314 to NMEA 0183 (3305)
- Added support for translation of NMEA 2000 humidity PGN 130313 to NMEA 0183 (3376)

Hardware 2.0

2.0.2.2 (03-2015)

- Made more robust in case USB connection was interrupted by external fast transients (3374)
- Added support for translation of J1939/NMEA 2000 Generator Total AC Energy PGN 65018, Generator Total AC Reactive Power PGN 65028, Generator Total AC Power PGN 65029, and Generator Average Basic AC Quantities PGN 65030 from a single generator (3303)
- Added support for translation of NMEA 2000 Trip Parameters, Engine PGN 127497 to new NMEA 0183 “ETP” proprietary sentence (3306)

- Added support for translation of NMEA 2000 temperature PGNs 130316 and 130312 to NMEA 0183 and added support for multiple temperature sources (3304)
- Added support for translation of NMEA 2000 pressure PGN 130314 to NMEA 0183 (3305)
- Added support for translation of NMEA 2000 humidity PGN 130313 to NMEA 0183 (3376)

1.8.3 (2009-03-20)

- Added translation for 130576 (Small Craft Status) to NMEA 0183 XDR sentence for trim tabs

1.8.2 (2008-03-10)

- Reduced network load when searching for devices on powerup

1.8.1 (2008-03-03)

- Fixed problem where the device tried to transmit a PGN before it had

acquired a node address

- Increased the number of devices that are supported in the Device Selection menu from 50 to 256

1.7.2 (2007-10-16)

- Added PGN 126996 to received PGN list in NMEA0183 mode
- Add support for single frame proprietary (Global) PGN 65280-65535 and fast packet proprietary (Global) PGN 130816-131071

1.7.1 (2007-07-09)

- Added support for draft NMEA 2000 intelligent gateway specification
- Added support to keep connection to the USB port if NMEA 2000 power is interrupted
- Added notification to the connected computer when the NMEA 2000 power is lost
- Changed to always restart in NMEA 0183 mode on power-up (rather than previous mode)
- Add ability to respond to USB node reset command

1.6.5 (2006-11-09)

- Added translations for fluid level and engine messages

USB100 SW 1.6.4 (2005-09-20)

- Added support for USB 2.0 hubs
- Updated supported version of the NMEA 2000 protocol to 1.200

1.6.3 (2005-07-22)

- Added support for Environmental PGN 130311

1.6.2 (2005-06-23)

- Changed NMEA 2000 protocol behavior

1.5 (2005-02-10)

- Made improvements in remote device selection copying

1.4 (2005-02-09)

- Removed some translations to free up space in program memory

1.3 (2005-02-07)

- Changed NMEA 2000 protocol behavior

1.2 (2005-02-04)

- Initial public release

USB100 Hardware Revision 1 (Version 1.8.6.2):

- Added support for translation of J1939/NMEA 2000 Generator Total AC Energy PGN 65018, Generator Total AC Reactive Power PGN 65028, Generator Total AC Power PGN 65029, and Generator Average Basic AC Quantities PGN 65030 from a single generator to NMEA 0183 (3303)
- Added support for translation of NMEA 2000 Trip Parameters, Engine PGN 127497 to new NMEA 0183 “ETP” proprietary sentence (3306)
- Added support for translation of NMEA 2000 temperature PGNs 130316 and 130312 to NMEA 0183 and added support for multiple temperature sources (3304)
- Added support for translation of NMEA 2000 pressure PGN 130314 to NMEA 0183 (3305)
- Added support for translation of NMEA 2000 humidity PGN 130313 to NMEA 0183 (3376)
-

USB100 Hardware Revision 2 (Version 2.0.2.2):

- Made more robust in case USB connection was interrupted by external fast transients (3374)

- Added support for translation of J1939/NMEA 2000 Generator Total AC Energy PGN 65018, Generator Total AC Reactive Power PGN 65028, Generator Total AC Power PGN 65029, and Generator Average Basic AC Quantities PGN 65030 from a single generator (3303)

- Added support for translation of NMEA 2000 Trip Parameters, Engine PGN 127497 to new NMEA 0183 “ETP” proprietary sentence (3306)

- Added support for translation of NMEA 2000 temperature PGNs 130316 and 130312 to NMEA 0183 and added support for multiple temperature sources (3304)

- Added support for translation of NMEA 2000 pressure PGN 130314 to NMEA 0183 (3305)

- Added support for translation of NMEA 2000 humidity PGN 130313 to NMEA 0183 (3376)

-

Online URL:

<https://www.maretron.com/wp-content/phpkbv96/article.php?id=429>