

TECHNICAL SERVICE BULLETIN

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Release to Manufacturing: MConnect® Version 1.2.0

Maretron announces the release of version 1.2.0 of the MConnect® NMEA 2000® HTML Web Server.

The update to MConnect 1.2.0 is available from (<http://www.maretron.com/support/downloads>), under the "Software Downloads" category.

The full build number of the version is 1.2.0.20250417

Changes in MConnect version 1.2.0 from 1.1.0

Bug Fixes

- Fixed compatibility with iCOM radios.
- Fixed issues editing and/or reordering components.
- Added Camera Number for Axis Quad Servers.
- Added GPS Instance No. to all Date/Time parameters, including Sunrise, Sunset, Twilight etc.
- Changed Moon Phases of Waxing and Waning Quarters to First and Third Quarter.
- Fixed drawing of Dimmer components.
- Improved Updater to work with USB Drives that are not partitioned.
- Corrected display of Bar Graphs for ranges where zero is not at the end.
- Improved transmission of Telemetric parameters.
- Corrected Equal Condition when the Parameter was a textual value.

Integrations

- Support for Lighting Controllers using standard NMEA Lighting PGNs (e.g. Shadowcaster and Lumitec) and Lumishore proprietary PGNs
- Support for MasterVolt Devices
- Support for Fusion Radio Lite.
- Support for HVAC Controllers using NMEA HVAC PGNs.
- Support for Reverso Engine Flush Systems.

Display

- Show reports available under Main Menu -> Settings -> Diagnostics.
- Added a Web Page component to embed other web pages. These will be shown in an iFrame. Some web pages prohibit this behavior so it cannot be guaranteed to always work.
- The ability to change screens by swiping is now configurable in the Settings Dialog.
- Better support for less performant browsers.
- Speed improvements in code running in browsers, loading icons.
- Added pointer cursor to all areas of the screens that can be touched.

New Parameters

- Battery Voltage has been separated from DC Voltage.
- Ground Wind Speed has been separated from Wind Speed.
- Added AC Input and AC Output.

- Added Navigation parameters Bearing to Destination, Bearing to Next Waypoint, Distance to Destination, Cross Track Error, Estimated Date and Time of Arrival.
- Added GPS instance number to Sunset, Sunrise, Twilight, and Time and Date parameters
- Added Breaker 127502 to work with digital switching devices that are controlled using PGN 127501
- Added 'Pulse' option to Breaker and Breaker 127502 Parameters that command the breaker ON when the button is pushed, and OFF when the button is released irrespective of the state of the circuit. This is required for the CLMD12 where the breaker state is independent of the action and CZone controllers.
- Added new Parameters to support Lighting PGNs, HVAC PGNs, and Reverso PGNs

New Components

- Added Up and Down Push Buttons.
- Added an option for the On/Off symbol to be removed from Push Buttons for a better look when the push button does not perform an On/Off function.
- Added more options for backplates on many components.
- Added Lighting Beams to support Lighting Controllers. A long press on the beam will display a dialog to control the color and intensity of the light.

Conditions and Actions

- Added Sunrise, Sunset, and Twilight options to Time Conditions.
- Added Offsets to Time Conditions.
- Added the ability for Screen Jump Action to choose the correct screen based on aspect ratio.

Editor

- Added ability to import and export individual screens
- Added option to display a grid and snap components to the grid when positioning them
- The Editor may be opened quicker using a keyboard shortcut of Ctrl-E
- When opening the Editor, it will open on the current screen.
- When closing the Editor, all changes must either be accepted or rejected.
- Added the ability to add, copy, and delete configurations
- Improved layout of Ranges

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