Diamond Knowledge Base

Centurion Version History 1.43

Build #0001 01/01/17	Added support for V5.00 of the UPP firmware (with support for the Cascade-IoT modem and the Diamond Data Server). First release of Centurion with support for UPP V5.00 firmware. This includes all of the Cascade-IoT modem programming support. Added support for 115.2kbps firmware upload to V5.00 counters that are direct link connected. Fixed Omega X3 saying DDS transfer at midnight instead of 1am.
Build #0002 01/27/17	Completed modem rename to "Iris" Modem. Added support for direct link to the Diamond Data Server for customer to access their uploaded data files: New "DDS" Menu item with "DDS Configuration" and "DDS Files" options. DDS Configuration allows programming the account number and password, and also allows the user to "Test" their configuration. DDS Files is much more comprehensive and will go out and load a complete list of files that can be easily downloaded into Centurion with a variety of options. Modified the GEOCOUNTS format to: Changed to use feet instead of inches on all US formats. Changed to use semicolons after each axle spacing on Per-Vehile records Added auto-conversion of North, South, East, West, etc to numbers on the "SC" record. Added new "SE" records for Station Equipment and Lane Configuration. Added new "SL" records for describing the bin tables. Added Bluetooth to the V; record output. Additional changes (Based on submitted notes): Made time three decimal points (Bluetooth and PerVehicle). Added a "SC 0" record for Bluetooth Changed the MAC Address to a "Long Long" value(instead of separate hex numbers). Changed Bluetooth "gc" tab to "rssi" tag. Changed Bluetooth "bttype" tag to a numeric of 0-Standard, 1-LE Public, 2-LE Random Fixed having two underlines at end of file name. Tweaked the Volume/Binned formats to use non-zero for the period when interval is not 60 minutes. Added the Axle and Length class (TC and TL) lines with per-vehicle output. Fixed bug causing Violation Error when reopening database view and the default view page is on Bluetooth data. Added a new "Bluetooth -> Volume" Import function from DBView window. Changed the Export dialog to only list the formats available for the particular type of data (Binned, PerVehicle, Volume). Added new "TMG PerVehicle" export format. Added a "Filter Command/Response" from counters option.
Build #0003 02/01/17	Fixed not setting DDS Files status labels to black on new function starts. Added setting the various Omega X3 configurations from the Start Collecting menu (in the Advanced Link Screen). Added support for V1.35 Omega X3 firmware which allows complete lane configuration setup to be sent at start of Monitor. TSProcess changes: Fixed problem not handling overlapping lanes in PerVehicle Data. Fixed ordering of vehicles on PerVehicle output. Fixed minimum speed to actually be 5mph (7.3ft/sec).

Build #0004 02/08/17	Fixed not handling DDS in the Omega X3 simple interface. Added selecting 'divide by 2' to the Omega X3 setup. Added 4 tubes with directional to the TSProcess display screen. Fixed a problem with how the Omega X3 retrieves Unretrieved files when not processing the entire memory. Tweaked some of the Omega X3 simple and advanced start collecting parameters: Added the "Ask Storage Mode and Lane Configuration" on keypad during Start Recording" option. On volume views, the timestamps show up individually and the total count correctly handles if 'divide by 2' is turned on. Completed implementation of Lane Subtract and Directional on the Total Count display during monitor mode and Volume data. Fixed handling reversed lane overlap. Also updated display of sensor layouts in TSProcess to include channel labels.
Build #0005 02/09/17	Fixed a bug that was displayed when the New Reports button was clicked. Added retry attempts during the login process for DDS Files.
Build #0006 03/08/17	Added support for Omega X3 Iris Modem SMS/Texting Options (to go along with Omega X3 firmware V1.36). Changed to use the word "texting" instead of SMS. Added support for 0xFF0x04 (Text/SMS Message) inclusion in data file. Added warning message if texting is enabled without setting at least one phone number. Changed setting SMS values to CTRL+F8.
Build #0007 03/09/17	Fixed bug handling Lat/Lon with starting zero. Fixed setting Sensor Spacing and Loop Length on Lanes 3 & 4 with TSProcess. Added a "Size" column to the DDS view. Added "Example Only" to display as background of DDS Files when no credentials have been specified.

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