

Diamond Knowledge Base

Centurion Version History 1.38

Build #0001 05/20/13	Adds support for RoadRunner III (RR3) binary files, counter communication (programming, monitoring, downloading), and connection between RR3 and TSDP for data file processing.
Build #0002 05/31/13	Fixed not including SnMis in the TMG Export Output Added support for "CREAD" like functionality as follows: New Preferences option to switch to CREAD Functionality on TMG and Connecticut style Exports. Added Connecticut CREAD Style TMG Card 3, Card 4, and Card C. Added Connecticut Upload and Special Interval Formats.
Build #0003 06/04/13	Fixed some issues with importing RR3 data (was being called an Omega). Made a few other corrections to importing/exporting RR3 data.
Build #0004 06/04/13	Fixed problem when RR3 reports zero flash available. Also made RR3 firmware updates from setting screen correctly hide the settings panel.
Build #0005 07/31/13	Changed the Parking Lot System to better handle the "Broadcast vs. Addressed" mode of transmission. Also do some initialization and other important housekeeping at start of initialization.
Build #0006 08/15/13	Parking System Changes: Fixed issues related to exceptions and other errors during the manual Link process. Corrected background colors on Lot and Counter configuration. Added a "Poll Now" button to help test and to make this option available for customers. Added "Poll When Possible" option to allow for polling the counters when they become connected. Fixed multiple issues with not working and/or locking up the polling system under different scenarios. Fixed issue with Per-Vehicle files saying they overlap when they really don't. Changed the PLSystem Close() function and the Main() close function to not abort until PLSystem timer has ended and closed out.
Build #0007 08/20/13	Fixed a problem with not re-polling constantly connected counters when "Poll When Possible" enabled in Parking Lot System.
Build #0008 09/13/13	Fixed not setting the UPLOAD.TXT directory correctly for ConnDOT exports. Added "Connecticut" formats to the polling Auto-Export setup. Added new option to Preferences->General->Exports to "Auto-Export all imports to ConnDOT formats (both UPLOAD.txt and TMG3 or TMG4 depending on type of data imported).
Build #0008 09/13/13	Fixed not setting the UPLOAD.TXT directory correctly for ConnDOT exports. Added "Connecticut" formats to the polling Auto-Export drop down menu. Added new option to Preferences->General->Exports to "Auto-Export all imports to ConnDOT formats (both UPLOAD.TXT and TMG3 or TMG4 depending on type of data imported).
Build #0010 10/16/13	Created new "Centurion-Free version with these changed: Will only allow selecting database data that has RoadRunner or RoadRunner 3 as the [Counter Type]. Does not require licensing of any type. Will only open or import data from RoadRunner based files. Only supports linking to RoadRunner 3 units. Fixed bug not showing Splash screen (with CC and Free). Changed the way the RR3 Temperature Offset and Temperature display works (new version compatible with RR3 Firmware 0.93 and higher).
Build #0011 10/25/13	Fixed displaying two decimal points on RR3 monitor screen.
Build #0012 01/07/14	Corrected problem importing PRN files with >= 10 lanes of data.
Build #0014 01/09/14	Added support for RR3's to communicate at either 9600 or 19200 baud.

Build #0015 01/14/14	Increased memory size available to AutoPolling Feature.
Build #0016 01/20/14	RoadRunner 3 Changes: Made TimerCSpinEdit and TimerDSpingEdit invisible on two input RR3's. Disabled "Complete Memory Wire", Restore Factory Defaults", and "Firmware Update" if collecting data. Fixed sometimes displaying 4 inputs on 2 input based counters. Changed Connecticut TMG Class output to use ".CLA" extensions Class data and ".VOL" for count.
Build #0017 02/11/14	Fixed wrong year on RR3 file directory (and saving files to disk). Added support for RR3 V1.04 individual sensitivity settings for all four A/D input channels (A-D). Added support for V4.74 UPP code that supports the new "Interval" vehicle output mode and for setting new "Keep Port On" function.
Build #0018 03/04/14	Added "-EXITIMPORT" command line switch to make the program exit immediately after any import(ing) has finished. Fixed several Export To Excel issues dealing with the Export Forced Interval and Per-Vehicle data. Modified the Bin Table Editor to support the new "Bike Detect" vehicle modifier. Added support for UPP V4.76 changes to include bike detect and new bin table setup. Added new database values "Bicycle Detect" and the "LClass1/2 Modifier". Added a "+1 to New Imports" check box on the Leap Year screen to allow manual shifting of data to be imported (non-persistent).
Build #0019 03/11/14	Made changes for V2.10 Speed/Length tables (includes bin table modifiers). Updated for V4.76 changes to the Speed/Length tables. Fixed multiple issues with new Vehicle Modifiers and various V4.76 related functions.
Build #0020 03/12/14	Fixed the upper byte being corrupt on the TT-6/8 version data word. Added support for the type of data byte in the header of TT-6/8 counters.
Build #0021 03/22/14	Rebuilt all versions with new install of "RAD Studio 2010" on updated DET computer system "SOFTWARE2". Fixed missing "Special Vehicle Markers" on the Per Vehicle flow report. Implemented new "Simple" RR3 interface (Black/Green style).
Build #0022 03/25/14	Fixed problem loading older V2.00 bin tables. Corrected issues with not seeing the "Bicycle Detect" value during exporting and in certain reporting modes. Changed the RR3 simple interface to: Not stopping collection until the user completes setting all variables. First sends a Set Time value "SK", then stops collecting "SO", and then does the start collecting "SA".
Build #0023 03/26/14	Added option (on by default) to have RR3 downloads of the open file without closing it. No longer auto-set the RR3 clock in Simple mode when collecting is active (this is saved for the RESET function). Multiple changes to support updated V1.05 RR3 firmware that fixes the RTP polling problems. This includes manually setting the file End Date/Time on these files.
Build #0024 04/03/14	Fixed error in creating Loop Class tables (L1/L2 Modifier). Added support for UPP v4.35/4.78 Charger values.
Build #0025 04/15/14	Fixed the Class Table name on the Loop Class results output. Fixed a bug in setting "MAX" values during table creation. Fixed a second bug in setting min values for certain class comparisons based on bin type and length. Multiple changes to min length versus vehicle length to compensate for differences in certain vehicle types. Added default setup buttons for creating Loop Class Tables with either "Most Accurate" or "Closest to Axle Based". Added new settings "Use Best Length instead of Total Length" and "Always use high resolution Percents" to class table creation. Added high resolution percents to the Loop Class table structure.
Build #0026 04/20/14	Users can now de-select creating the 64/16 Chain files during loop class table creation (unneeded for most users and saves time and disk space). Added initial support for importing TMG files (for most types including Card 3, 4, and C).

Build #0027 05/09/14	Changed from TFileOpenDialog to TOpenFile to continue support under Windows XP. Added new "Static CSV" export format for all data types (Volume, Per-Vehicle, & Class). Includes multiple formatting options and can export to a combined file or one file per lane.
Build #0028 05/11/14	Added "Missouri" and "Quality Counts" CSV export formats.
Build #0029 05/12/14	Added a "Disable Loop Auto Check" to work with UPP V4.37 and V4.81 (when checked, loops are never auto-retuned with lack of count).
Build #0030 05/14/14	Added check of all RR3 end date/time files and resets them automatically whenever they are off. Changed the names of the CSV formats to "CSV ASCII Diamond", "CSV ASCII Static TV", and "CSV ASCII Static IP". Fixed some minor issues in the Static TV and Static IP formats. Fixed not disabling charger functions when unchecked in the dialog.

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