Diamond Knowledge Base

Centurion Version History 1.46

- Major change to support multiple remote counter connections at the same time. You can now do multi-counter link with the "Direct Call Directory" or through the map/polling screen link. Note that polling is still done one counter at a time.

Build #0001 04/01/2018	Added support for UPP v5.09 "Block Retrieve" file command. Changed the Geocounts output format to reduce the number of bins on the "TC" and "TS" line by one, and to remove the "other" bin value (the last value) on the "TL" line. Fixed bug displaying the "Last Called" value on the Map View. Added database backup/restore functionality. Changed so any file processed from DDS is always stopped after one file read.
Build #0002 04/10/2018	Fixed bug in not doing Card C export with Length bins when ALL the lanes are length bins. Added Multiple Simultaneous Polling ability (up to 20 sites at the same time).

Build #0003 05/03/2018	Added an "IR Camera" TSProcess function to handle data from Omega X3 v2.00 that has IR Camera data within a file. Fixed hiding the ADT Lane #1 on the 1 Lane Class TSProcess results when customer does not do directional. Added support for the "IR Camera" as a sensor type in all modes. Fixed a bug in the Parking Lot system which caused "Access Violation" to appear when closing link to site after clicking the "Link" button. Added "-PLMONITOR" command line to monitor activity on Parking Lot System. This creates a file for each counter link and saves the send/receives to the counter into a file in the main program directory name "PLMONx.TXT". Changed sending a CTRL+X before 0x01+G+T on the Parking lot monitor. This improves linking to sites that always have carrier active. Fixed bug with scanning for loop board #3 on Pegasus and Unicorn links.
Build #0004 05/09/2018	Added new trigger options for UPP v5.10 and higher. "Vehicle Lenght < " "Vehicle Length > " Included the "Interval Start" incident detection. Changed the "Pulse OC Action" value to be in hundredths of a second."
Build #0005 05/17/2018	Changed so it does not give the corrupt EOF error at the end of files that have been downloaded from DDS. Major change to use the Indy 10 FTP access components for all DDS access. This greatly speeds up the process and is more reliable. Added a count of the files to the DDS Files tab names. Fixed Access Violation bug at the end of downloading from a counter linked to by the Parking Lot System. Changed default PLSystem poll command from "R-1" to "R-2". Added error message to poll log when trying to manually download a specific file that does not exist. Trims off extra file data from block retrieve command (especially noticeable with very small files). Fixed a bug with Block Retrieving files under the polling system (was not correctly fixing them after the fact). Added sending a 0x18 when calling any SoIP site to make sure it exits from any "RING" retrieves. Fixed not showing Auto-Listen Mode on the Counter Setup Report. Fixed showing Listen Reset times on Counter Setup Report when auto-listen is disabled but listen rest times are enabled. Fixed showing "Attempt #x" on subsequent downloads after a successful download of a file. Made sure if user clicks the Cancel button when doing a poll through the Parking Lot System it stops all polling. Fixed the "Poll When Possible" to only do it once per day. Changed canceling polling to eliminate access violation errors when multi-site polling is enabled. Multi-site polling now waits when for a modem connection to finish before starting with additional sites.
Build #0006 05/18/2018	Changed FTP components used for all DDS access. This greatly speeds up the process and increases reliability of the connection. Added a count of the files to the DDS Files tab names. Fixed Access Violation bug at the end of downloading from a counter linked to by the Parking Lot System. Changed default PLSystem poll command from "R-1" to "R-2" (does not retrieve the open file). Added error message to poll log when attempting to manually retrieve a file that does not exist. Trims off extra file data from block retrieve command (especially noticeable with very small files). Fixed a bug with Block Retrieving files under the polling system (was not correctly fixing them after the fact). Added sending a 0x18 when calling any SoIP site(s) to make sure it exits from any "RING" retrieves. Fixed not showing Auto-Listen Mode on the Counter Setup Report. Fixed showing Listen Reset times on Counter Setup Report when auto-listen is disabled but listen reset times are enabled. Fixed showing "Attempt #x" on subsequent downloads after a successful download of a file. Made sure if a suer clicks the Cancel button when doing a polling through the Parking Lot System it stops all polling. Fixed the "Poll when Possible" to only do it once per day. Changed canceling polling to eliminate access violation errors when multi-site polling is enabled. Multi-site polling now waits with a modem connected site until it finishes before processing any additional queued sites. Fixed the "Poll when Possible" option to only poll possible connections once per 24 hours.
Build #0007 05/20/2018	Added option to do web updating via HTTP instead of FTP

Build #0008 07/10/2018	Changed to allow blank Diamond Account names during Phoenix & Iris modem setup (custom server). Fixed Site copy not checking for NULL Bluetooth names. Added ability to include GPS data in the Export Data output. Added showing extended site info in the Export New Ascii format. Added support for UPP v5.20 (or higher) firmware and handling the new Performance/Stable modes when combined with loop board firmware v2.00 (or higher). Fixed occasional non-updating loop sensor on Monitor Sensors screen. Added CTRL + ALT + M to set Modem Values without needing to stop data collection. Added 460800 & 921600 baud rate options for Loop Board hardware v2.0 (or higher). Major change to the DDS User Interface to improve the way files are displayed (especially when there are many of them). Added ability to specify a FTP server and to modify the login name on the DDS Interval Data Monitor and the Parking Lot DDS system.
Build #0009 07/16/2018	Changed cap values to have a default separation of at least two levels. Added setting the "Enviro Storage" mode on the Omega X3 and Omega G (Setting Screen). This works with v1.47/v1.10 respectively and higher. Also added reading/writing the "Weather" value from Omega X3 v1.47 and Omega G v1.10 and higher ("SA" and "GS" functions). Changed the timestamp 0xF2 format to support the new OX3/OAG version. This includes temp. to the tenth of a degree C and a Primary/Secondary battery voltage to the hundredth of a volt. Added support for the 0xF2 record from standard data (both reading/writing). This changes the Binary and ASCII formats as well. Added the Enviro data to the "Memo" line of imports when present.
Build #0010 07/26/2018	Added a new "Rebuild Database" function which completely reimports the data for a site from the 'source' files. Completed the Stable/Performance mode as follows: DER/DRR = 4/4 (or higher) BFilter = 1 (or Higher) Default to LPS=0.16% sensitivity Spread of at least two levels on caps. Added new "Three Lane Subtract" and "Four Lane Subtract" to the TSProcess system. Added ability to export the GPS Latitude/Longitude to one of a variety of formats specified in: Preferences -> General -> Export. Fixed a problem showing graphs even when graphs are disabled (Volume Summary Report).
Build #0011 08/08/2018	Fixed a bug in sorting a multi-import select list. It was incorrectly sorting and selecting sites in the list. Added ability to do STAN file naming on certain exports. When checked, the software adds the date and starting time to the beginning of the file name. Fixed bug in setting the "Always Delay" time incorrectly! Now auto resets it to zero if it is > 3000 or < 0 Added new "Import/Export" Site Station information from the Map View to allow for transfer of data from one location to the next. Added same "Import/Export" from ".sif" files for the Direct Dial Directory. Automatically handles conversion from Map to Direct Dial and back. Added "Error Log" Button to the DDS View to allow viewing the error log file. Clicking it displays a list of current errors (sorted by newest to oldest). Shows "Verify File After Push" option on Iris Modem setup with UPP v5.21. Added ability to specify a single day on the export dialog. When this is selected, the system automatically sets the range for that day.
Build #0012 08/12/2018	Added the CLR Binary import type #29 "VSign (CLR)" to the binary format. Fixed not allowing firmware updates from loop firmware ending in x00 (this only affected the letterd versions 'z', 'y', etc). Increased delay times on Loop Board Firmware updating. This fixes problem updating code from letter versions ('z', y', etc).
Build #0013 08/15/2018	Fixed bug in reading Timestamp files that don't have a proper ending record (could affect RR3, Omega G & X3).
Build #0014 08/26/2018	Added optional reading of the counter configuration during a poll. When this is enabled (by the 'B' polling command) the baud rate will be added to the Polling Log.

Build #0015 10/11/2018	Fixed bug in not using Bluetooth Start/End times when processing data from a Bluetooth data collection file. Fixed not closing the firmware Upload file when checking versions. Changed the DDS Configuration, increasing retry limit to to retries. Changed closing DDS Configuration so it automatically clears the Custom Server values if "Use Custom" is not checked. Added preliminary support for Omega Passive IR direct connect (the -SA version). More support will be coming, however the current version includes: Linking to Omega Pasive IR - SA. Displaying current status and configuration. Accessing Camera view and setting zones and other options. "Replay" window that allows viewing camera output that has been previously saved. Fixed bug not showing Piezo V4 values on the Counter Setup Report. This requires getting the piezo settings (if not known) prior to accessing the report. Added the current modem RSSI values to the counter setup report (it appears after the MEID on the title line). RSSI is only displayed when connecting to UPP V5.27 or higher. Added current MEID and RSSI value to the caption on the Set Iris Modem dialog box. Changed TSProcess Start, Stop, and Adjusted times to eliminate weird error message. Changed TSProcess to write Time as 00:00 when day changes in PerVehicle export Added a "Timeout Discards" column to the TSProcess report. This shows the total number of timestamps discarded for timeout violations. Fixed Problem with very large timestamp files not processing after about a year of data.
Build #0016 10/20/2018	Added a "Dumb Mode Monitor" function when linked to loop board in Dumb Mode output. Accessed from the Show Terminal windows. Fixed Bluetooth TSProcess not using the actual selected time/date ranges (also fixed reprocessing dates).

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