



## RELEASE NOTES

**Release Date:** 13/03/2020

**PC Link Version:** 6.16.26

**Firmware Version:** 6.16.15

### New features:

- Added Cruise Control (available on Xtreme, Fury and Plug In ECUs).
- Added Modelled Multi Fuel.
- Added VANOS functionality to the VVT control.
- Added Closed Loop Fuel Pump Control.
- Added Ethanol Clamp for high injector Duty cycles.
- Added Active State setting to analogs being used as a digital input.
- Added a second speed limit.
- Added Accelerometer functionality (available on Xtreme, Fury and Plug In ECUs).
- Added a PID Function for viewing the PID values of different control loops in real time.
- Added Startup Lockout when using just Ignition Idle (no Idle actuator), uses Ignition Idle Target during engine start.
- Added Knock control with Ignition retard and Fuel enrich functionality.
- Added Connection list Settings for Analog Inputs being used as DIs.
- Added an Exhaust Pressure input and Lambda compensation based on that exhaust pressure when it is setup.
- Added more Table Axis options and fixed Min/Max issues that some table axis options had.
- Added GP Rotary Switch Inputs (converts an Analog Voltage into a specified number of steps represented by an integer).
- Added Timer Labels
- Added a Configurable MAP input filter.
- Added selectable Lambda Source to Closed Loop Lambda (CLL) and improved several other parts of CLL. **IF UPDATING FROM A PREVIOUS VERSION AND USING CLL THE SOURCES WILL NEED TO BE SETUP CORRECTLY**
- Added Lambda Target Error runtime.

### Changes:

- Changed Accel Fuel Sens from a single value to a table. **IF UPDATING FROM A PREVIOUS VERSION THE ACCEL ENRICHMENT SENS MUST BE SETUP.**
- Smoothed Idle Ignition to Ignition table transient.
- Smoothed EThrottle idle to EThrottle target transition, it is recommended to have a target of 0% TPS when APS is at 0%.
- Increased Boost Control's maximum D Gain setting.
- Reduced Minimum Frequency output from 10Hz to 1Hz for settings and 0.6Hz for GP PWM Frequency tables.
- Trigger Scope made non modal (can change settings now while it is open).
- Double clicking on a pin function setting now takes you to the function using the pin (Pin function settings are found in the 'Input Pins' folders inside the Digital or Analog Inputs folders or the 'Output Pins' folder inside the Auxiliary Outputs folder).
- Increased maximum number of VVT Teeth from 8 to 16.



## **RELEASE NOTES**

- Removed the need for an AC Clutch output to be set (means it can work via CAN without having an output set).
- Increased Single Launch RPM's Launch RPM resolution from 100rpm to 1rpm.
- Made warmup enrichment able to be negative.

### Fixes:

- Fixed 3 Speed PWM Fuel Pump Control not using the frequency setting.
- Fixed wheel slip calculation.
- Fixed Ignition/Injection Status updating when being used by a GP PWM.
- Fixed an issue with the AC Fans staying on. Fixed an issue with the table axis insert button
- Fixed Logging lines on reconnect issue
- Fixed VVT PID custom/default selection issue
- Fixed Shift + Arrow selection resetting on Q/A press on Tables
- Fixed CAN Stream Load issue.
- Fixed Shift +/- and added Shift - shortcuts for adding or subtracting an amount from existing values.