



## RELEASE NOTES

**Release Date:** 26/11/2020

**PC Link Version:** 6.19.65

**Firmware Version:** 6.19.37

### New features:

- Added USB connection mode which improves connection reliability, this mode is also included as part of the Auto mode. USB Mode (or Auto) is the recommended Connection Port Option.
- Added a variety of fuel consumption runtime values.
- Added a virtual fuel tank function.
- Added fuel consumption calculation options to traditional fuel mode.
- Added E-Throttle error accumulators (TPS Main/Sub, APS Main/Sub, TPS/Target).
- Added a wall Wetting compensation setting.
- Added new Knock modes which normalise the engine noise.
- Added a knock 'Clear Now' option to clear all knock trim tables to 0.
- Added another frame to Generic Dash.
- Added Tacho Offset and Max RPM. **IF UPDATING FROM A PREVIOUS VERSION YOU WILL NEED TO CHECK THE MAX RPM SETTING.**
- Added V11 Subaru CAN Mode.
- Added Fuel trim settings to limits.
- Added some new Bosch pressure and temperature sensor calibrations.
- Added warning to Secondary extra staged mode stating that it is going to be removed. **IF YOU ARE USING OR WANT TO USE THIS MODE PLEASE CONTACT TECH SUPPORT.**
- Added 7Bar Map Sensor plug-in sample maps for the plug-in ECUs that have on-board MAP sensors.

### Changes:

- Improved instantaneous fuel consumption calculation.
- E-Throttle fault codes now display in Setup Mode as well but don't shut down the E-Throttle in setup mode.
- Improved how limits deal with fuel and ignition trims (fuel and ignition trims when multiple limits turning on and off).
- Allowed An Temp pins to be used by more functions (for example switched digital inputs and gear position inputs).
- Made Cruise Control button presses more responsive.



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- Changed Speedo Max Freq to Max Speed, Changed Speedo Offset from Hz to Speed units. **IF UPDATING FROM A PREVIOUS VERSION YOU WILL NEED TO CHECK THE MAX SPEED AND SPEEDO OFFSET SETTINGS.**
- Changed Staged accel fuel setup, now has a single value to setup. **IF UPDATING FROM A PREVIOUS VERSION AND USING STAGED FUEL YOU WILL NEED TO CHECK THE STAGED ACCEL SETTING.**
- Improved RPM/Speed gear calibration 'stable' condition definition.
- Changed Overrun Fuel Cut to turn off during Overrun Up Shifts and Overrun Down Shifts.
- Increased Nissan 360 opto signal tolerance.

### Fixes:

- Fixed Tacho correction for Rotary and 2 Stroke engines. **IF UPDATING FROM A PREVIOUS VERSION AND USING THE TACHO OUTPUT FUNCTION ON A ROTARY OR TWO STROKE ENGINE YOU WILL NEED TO CHANGE YOUR MULTI VALUE.**
- Fixed gearshift ignition trim bug (was applying double the gearshift trim).
- Fixed Nissan 360 Opto Widest Slot mode sync bug.
- Fixed Nissan 360 Opto v8 pattern.
- Fixed CLL LTT exception.
- Fixed Serial PCLink communication.
- Fixed MX5 Trigger Sync bug.
- Fixed Engine Speed ROC calculation.
- Fixed VVT Min/Max DC Table Interpolate.
- Fixed Fault Codes being stored in the ECU between power cycles.
- Fixed Launch Limit statistics value not updating.
- Shortened a variety of runtime names and improved runtime searching to allow a variety of different search terms to find the same runtime.
- Fixed complimentary PWM Setup bug.
- Fixed trigger setup issue (most commonly seen when changing to an EVO trigger pattern).