ValueCAN 3: A guide to what's new

Features New to ValueCAN 3

ValueCAN 3 brings a number of enhancements over it predecessor ValueCAN 2.

- Two channels of CAN – Both channels can operate simultaneously at near 100% utilization at 1 Mbit per second
- Auto baud rate detection – If enabled, ValueCAN 3 will try common baud rates to determine the rate of the connected network
- Higher timestamp resolution – ValueCAN 3 has 25ns timestamp resolution
- Larger message buffer – Over 200 times larger buffer for caching message data
- CoreMini acceleration – Simple scripts can be pushed into the hardware to help simplify and speed up applications.
- I/O pin – Trigger pin can be used as a digital input or output
- Custom LED blinking – The Red and Green LEDs can be use as custom indicators

Features removed from ValueCAN 3

- Loop back mode
- RAW API (available at a later date)
- Hardware periodics through neoVI network (New method implemented – CoreMini)

Upgrade issues from ValueCAN 2 and ValueCAN 3

ValueCAN 3 was designed to have as few issues as possible for customers currently using ValueCAN 2. Customers using Vehicle Spy 3 shouldn't see many differences (except for the addition of all the features mentioned above, lack of Loop back mode, and lack of periodic messages in hardware through neoVI network).

For customers using our API for creating custom application, there may be a few code changed needed. Below is a list of possible changes needed. If your application does not use these features then your code is already set to us a ValueCAN 3.

- Setting Baud rates – New simpler structures are used to set baud rates in ValueCAN 3. Calls made using the older convention will return false.
- Periodic messages in hardware through neoVI network – This feature was replaced with new CoreMini feature.