

IQ3S Firmware Revision Log.txt

\*\*\*\*\*IQ3S STREET FIRMWARE REVISION  
LOG\*\*\*\*\*

Version 2.7 - 12/15/2015

- 1) First production release

Version 2.8 - 01/28/2016

- 1) Fixed issue when attempting to display a Smartwire switch input with the filter set to zero.

Version 2.9 - 02/03/2016

- 1) Changed the warning message behavior when programmed to OR the input. It will only display the warning information for the warning input that is triggered.

Version 2.10 - 02/16/2016

- 1) Fixed telemetry conflict when using dash with a data logger. Requires DataLink v4.6.2 or higher.

Version 2.11 - 03/07/2016

- 1) Fixed bug that would not allow the display of values greater than 32767.

Version 2.12 - 04/07/2016

- 1) Fixed issue with speedometer calibration.

Version 2.13 - 04/14/2016

- 1) Fixed issue with gear ratio programming when using Setup 2 method.

Version 2.14 - 04/19/2016

- 1) Fixed bug that could cause a Sportsman data logger to report the wrong number of recording data channels if IQ3 channels are disabled.

Version 2.15 - 05/18/2016

- 1) Extended the USB to VNet bridge timeout to avoid read/write errors if messages are delayed.

Version 3.0 - 06/28/2016

- 1) Added support for FuelTech CAN 2.0 interface protocol.

Version 3.1 - 07/07/2016

- 1) Changed the FuelTech CAN 2.0 default max RPM scaling from 1,000 to 10,000.
- 2) Fixed Electromotive TECGT default VNet ID conflict.
- 3) Added support for Life F88 ECU.

Version 3.2 - 07/13/2016

- 1) Added support for Maxx ECU.
- 2) Fixed issue causing missing Atomic TBI channels buttons.
- 3) Fixed issue with exponent when recording some OBDII channels.

## IQ3S Firmware Revision Log.txt

### Version 3.3 - 07/22/2016

- 1) Added EFI config channel to Pro EFI so user can enable additional channels. Requires DataLink v4.7.2.
- 2) This update will cause the module to revert to factory default settings.

### Version 3.4 - 09/16/2016

- 1) Updated updated Pro EFI to latest data stream specs. Requires DataLink v4.7.3
- 2) Added support EMS EM-Tech ECU's. Requires DataLink v4.7.3
- 3) Added support Emtron ECU's. Requires DataLink v4.7.4

### Version 3.5 - 11/08/2016

- 1) Added channel to allow the user to change the MEFI4 ECU ID. Requires DataLink v4.7.6
- 2) Modified decimal point handler when warnings are displayed.

### Version 3.6 - 12/02/2016

- 1) XOR all three 32-bit device ID words instead of using just one.
- 2) Verify that we get a response to supported OBDII PID request.
- 3) Fixed OBDII when vehicle uses 29 bit addressing.
- 4) Fixed issue that was causing the Motec interface to not properly sync.
- 5) Fixed issue that could prevent writing to ECU channels when changing the ECU type and writing the entire config at once.
- 6) Disable ECU CAN bus if errors are detected. This should prevent crashing the ECU bus if the incorrect ECU is selected.

### Version 3.7 - 12/13/2016

- 1) Changed OBDII CAN bus detection method.

### Version 3.8 - 09/12/2017

- 1) Record indefinitely if record length is set to zero
- 2) Added Polaris RZR.
- 3) Added ability to turn off CAN bus error detection.  
WARNING: If CAN bus error detection is turned off and you connect to a ECU that is different than the one you have selected, you can crash the ECU CAN bus and potentially prevent the engine from running properly. This is particularly hazardous when connected to OBDII. So if you chose to turn off CAN bus error detection, you do so at your own risk.
- 4) Added the ability to transmit messages on the ECU CAN bus when User Configured is selected as ECU Type. Requires DataLink v4.8.6 or higher.

### Version 3.9 - 12/01/2017

- 1) Fixed the default MEFI engine RPM and coolant temperature scalings.
- 2) Added CAN interface support for Curtis controller.
- 3) Fixed problem that could cause the dash to hang if the VNet ID for gear calculation was set to Disabled.

IQ3S Firmware Revision Log.txt

Version 3.10 - 01/08/2018

- 1) Fixed FuelTech default max RPM from 1000 to 10000. This was causing the RPM value to overflow when it reached 3276.
- 2) Added a method to prevent a FuelTech 2.0 segmented packet from allocating too much memory.
- 3) Automatic recovery from pull up resistor state corruption caused by EMI noise. This will not prevent the corruption but will allow for automatic recovery after EMI noise occurs.

Version 3.11 - 04/20/2018

- 1) Fixed problem that could cause the dash to hang if the VNet ID for gear calculation was set to Disabled.
- 2) Added support for pullup resistor latch register PCB update.
- 3) Added workaround for Mini Cooper OBDII not responding to engine ECU PID request.

Version 3.12 - 06/06/2018

- 1) Fixed OBDII issue when logging was enabled.

Version 3.13 - 07/27/2018

- 1) Fixed loss of communication when Racepak is turned on before the Haltech ECU and Buss Error Detection option is enabled.
- 2) Fixed issue that was causing negative number to display as zero if a decimal point was turned on.
- 3) Added support for Holley Dominator V4 Standard CAN protocol. Requires DataLink v4.8.11 or higher
- 4) Added support for Holley Sniper CAN protocol. Requires DataLink v4.8.11 or higher

Version 3.14 - 08/29/2018

- 1) OBDII stability improvements.