



## **Tech Note 20170515**

### **RE: Trimble Field IQ Rate & Section Control Module Firmware Version**

**ISSUE:** After updating the software / firmware on the Trimble FmX or TMX-2050, the system will not run, or if it runs, it will not control.

**PROBLEM:** Field IQ Rate & Section Control Module Firmware versions 4.09, 4.11, and 4.13 will not work with the SureFire system.

**FIX: Go back to Field IQ Rate & Section Control Module Firmware version 3.20.** In many instances, this version is already on the display and the system just needs to be set to use this version.

*Versions 4.09 and 4.11 were Trimble Test versions. Version 4.13 should be used if you are using the Pressure Limiting feature, which will very seldom be used on a SureFire fertilizer application system.*

### ***Other changes to Trimble version 10 software:***

The ***Drive Calibration*** beginning with Version 10 uses ***Proportional Gain instead of Integral Gain***.

The numbers to enter for Proportional Gain will be similar to the numbers normally used for Integral Gain. Adjust as needed in the field. The Auto-Tuning feature may give satisfactory valve calibration settings.

When using ***AutoTuning***, be sure to check the ***Upper PWM Limit*** and ***Integrator Upper Limit***. These should be set to 100 for most SureFire operations. AutoTuning may put lower limits in here that will prevent the pump from reaching the desired rates.