



## ENGINEERING CHANGE NOTIFICATION FORM

ECN: 100-001-000120	REV: 1	ISSUE DATE: 10/04/2012	
TYPE OF CHANGE: Firmware Modification			
DETAILED DESCRIPTION OF CHANGE: Firmware improvements outlined in detail below.			
REASON FOR CHANGE: Functionality Improvements and bug fixes.			
PRODUCTS AFFECTED:			
	Firmware Version	Model	
Units with firmware version 2.35 and earlier	FireFly-IIA FireFly-II FF-IIB FF-1C G-Force	LC_1x1 MINI JLT ULN-1100 ULN-2550	
AVAILABILITY:			
	MILESTONE	DATE	
ECN sent to customer		10/08/2012	
Release 2.38 for all FireFly-II type boards provides the following improvements:			
<p>2.38</p> <ul style="list-style-type: none"> <li>* User-selectable threshold for the jam-sync level implemented: SYNC:TINT:THR [50,2000]</li> <li>* NMEA messages will now correctly show zeroes instead of repeating stale data in case the GPS receiver has sent a message with bad CRC for some reason</li> <li>* Support for Timing receivers added (Position Hold mode on units with LEA-6T or NEO-6T)</li> </ul> <p>2.37</p> <ul style="list-style-type: none"> <li>* Query of GPS firmware version added to gps?</li> <li>* GPS:GSV 1 message added</li> <li>* GPS UART speed set to 38400 to avoid CRC errors from GPS receiver</li> <li>* Fix of potential processor UART stall due to NXP errata, especially at 9600 baud</li> </ul> <p>2.36</p> <ul style="list-style-type: none"> <li>* Leapsecond stored in EEPROM, and applied to unit after power-on and before Almanac is received</li> </ul>			
REFERENCE DOCUMENTS/ATTACHMENTS:			
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PLEASE CONTACT JACKSON LABS TECHNOLOGIES, INC. WITH ANY QUESTIONS