

ENGINEERING CHANGE NOTIFICATION FORM

ECN: 80200565	REV: 1	ISSUE DATE: 3/19/2018						
TYPE OF CHANGE: Firmware Modification								
DETAILED DESCRIPTION OF CHANGE: Firmware release 3.05 for Mini-JLT GNSS for bug fixes and functionality improvements in uBlox receiver compatibility.								
REASON FOR CHANGE: Bug fixes and functionality improvements.								
PRODUCTS AFFECTED: <table border="1" data-bbox="131 688 1458 762"> <thead> <tr> <th>Firmware Version</th> <th>Model</th> </tr> </thead> <tbody> <tr> <td>Firmware 3.04 and previous</td> <td>Mini-JLT GNSS</td> </tr> </tbody> </table>			Firmware Version	Model	Firmware 3.04 and previous	Mini-JLT GNSS		
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Notes:								
AVAILABILITY: <table border="1" data-bbox="131 821 1458 888"> <thead> <tr> <th>MILESTONE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>ECN release for firmware release files</td> <td>3/19/2018</td> </tr> </tbody> </table>			MILESTONE	DATE	ECN release for firmware release files	3/19/2018		
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Release 3.05 for Mini-JLT GNSS provides the following improvements:								
Issue 1: The jamming level may frequently jump up to 100s due to modified power mode setup in the uBlox receiver with firmware version 3.01. Units with uBlox receiver of version 3.0 or older are not affected by this issue.								
Resolution: Firmware 3.05 corrects the issue by configuring the proper power mode setup to ensure low jamming susceptibility. This fix improves reliability related to the issue of preventing the device acquiring a lock due to consistent high jamming levels.								
Issue 2: The UTC date and time display from start-up is incorrect when GPS signal is not present.								
Resolution: Firmware 3.05 corrects the issue by starting the RTC counter from zero upon start-up before a GPS fix and UTC time is available.								
REFERENCE DOCUMENTS/ATTACHMENTS:								
<table border="1" data-bbox="131 1629 1458 1738"> <thead> <tr> <th>CONTACTS</th> <th>NAME</th> <th>EMAIL</th> </tr> </thead> <tbody> <tr> <td>Software Engineer</td> <td>Keith Loiselle</td> <td>keith@jackson-labs.com</td> </tr> </tbody> </table>			CONTACTS	NAME	EMAIL	Software Engineer	Keith Loiselle	keith@jackson-labs.com
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PLEASE CONTACT JACKSON LABS TECHNOLOGIES, INC. WITH ANY QUESTIONS