



ENGINEERING CHANGE NOTIFICATION FORM

ECN: 80200540	REV: 1	ISSUE DATE: 11/25/2015						
TYPE OF CHANGE: Firmware Modification								
DETAILED DESCRIPTION OF CHANGE: Firmware release 1.1 for the M12M Replacement Receiver includes functionality improvements in the SCPI output and bug fixes to correct the LED display malfunctioning during continuous operation.								
REASON FOR CHANGE: Functionality improvements and bug fixes.								
PRODUCTS AFFECTED:								
<table border="1"><thead><tr><th>Firmware Version</th><th>Model</th></tr></thead><tbody><tr><td>Firmware 1.0</td><td>M12M Replacement Receiver</td></tr></tbody></table>			Firmware Version	Model	Firmware 1.0	M12M Replacement Receiver		
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AVAILABILITY:								
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Release 1.1 for the M12M Replacement Receiver provides the following improvements:								
Issue 1: The M12M Replacement Receiver did not support the SYNC:TINT? query so GPSCon software would not output phase data when monitoring the M12M status. Resolution: Firmware 1.1 fixes this issue by adding the SYNC:TINT? command and equivalent PTIM:TINT? command to output the 1PPS sawtooth correction error.								
Issue 2: The LED display will malfunction after several weeks of continuous operation. Despite the display malfunction, the unit otherwise operates normally. Resolution: Firmware 1.1 fixes the issue by correcting the condition that resulted in the display malfunction.								
REFERENCE DOCUMENTS/ATTACHMENTS:								
<table border="1"><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