

#### AiM Firmware Documentation

October, 11<sup>th</sup> 2023

#### MXG 1.2 Release history

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Version	Date	Change/additions
VCISIOII	Date	Change/additions

**02.40.77** Oct, 11th 2023 Improved AiM CAN NET

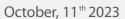
#### **External modules**

**25.49** LCU-One CAN (improved warm up handling)

**01.32.28** MMOD Strada Logger (fix Net table in download data)

**02.40.73** ACC (fix sample time bug caused no recorded data)

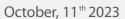






Version	Date	Change/additions
02.40.53	Feb, 7th 2023	■ GPS09C support  External modules  No changes
02.40.40	Nov, 23rd 2022	<ul> <li>Added predictive reference lap management</li> <li>External modules</li> <li>No changes</li> </ul>
02.40.21	Jul, 27th 2022	<ul> <li>New expansion boards (GSDASH2, RIO2_B, Shiftlight_B) support</li> <li>External modules</li> <li>02.40.02 RIO2 Module B</li> <li>02.40.10 Shiftlight Module B</li> <li>02.40.21 GSDASH2</li> <li>01.32.16 GSDASH</li> </ul>
02.40.00	May, 17th 2022	■ SmartyCam 3 Sport support  External modules  No changes
02.38.05	Feb, 17th 2022	<ul> <li>Added GPS09B device support</li> <li>External modules</li> <li>02.38.03 GPS09B</li> </ul>
02.36.76	Sep, 10th 2021	<ul> <li>Fixed digital speed parameters from RS3 configuration setup</li> <li>External modules</li> <li>02.36.64 GPS09: Improved GPS data synchronization</li> </ul>
02.34.29	Nov, 25th 2020	<ul> <li>Added GPS09 support</li> <li>External modules</li> <li>35.65 GPS Module: Fix Masterclock received from master that caused bad values in GPS data timestamp</li> </ul>

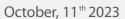






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02.32.81	Jul, 17th 2020	■ Fixed RPM issue due to wrong RPM factor handling
		External modules  No changes
02.32.72	May, 22nd 2020	<ul> <li>Simulators handling</li> <li>Added Hour/Date info from GPS tracks</li> <li>Added reference speed used to calculate odometers</li> <li>External modules</li> <li>No changes</li> </ul>
02.32.55	Apr, 23rd 2020	<ul> <li>General speed up in transmitting configuration</li> <li>Solved missing timeout on ECU channels for some serial protocol (RS232 and K-line) (AB#59)</li> <li>Improved track visualization</li> <li>Digital channels: bug fix on RPM input capture</li> <li>Fixed alarms based on BestDiff time</li> <li>External modules</li> <li>No changes</li> </ul>
02.32.12	Feb, 10th 2020	■ Fixed bug that didn't enable the display page after rear camera visualization  External modules  No changes
02.32.09	Oct, 17th 2019	<ul> <li>First Release including the new graphic engine which has the following improvements:</li> <li>Faster boot time</li> <li>Boot time independent from the number of configured pages</li> <li>Improvement in font visualization quality</li> <li>Resizable fonts</li> <li>Colorable icons</li> <li>This firmware release is compatible ***ONLY*** with the Race Studio 3 releases starting from the 03.30.00</li> <li>External modules</li> <li>2.30.16 Shift Light Module: support for the new software release (v03.30.00)</li> <li>GPS Module: improved GPS data synchronization</li> </ul>

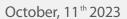






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02.30.10	Jun, 12th 2019	■ Fixed bug locking the device in data recall
		■ AIM CAN network improvements
		■ Fixed the calibration of the Expansion channels
		External modules
		■ 40.62 Channel Expansion/TC Hub
		■ <b>35.61</b> GPS Module
02.30.06	May, 23rd 2019	■ Fixed reset gear calculation
02.30.00	May, 2314 2019	Popup management:
		Background color configurable from RS3
		■ Txt color configurable from RS3
		External modules
		No changes
02.30.02	Apr, 19th 2019	■ Improved K-line protocols management
		Added open tracks management
		External modules
		No changes
02.26.57	Mar, 22nd 2019	Fix speed indication in miles for analog controls
		External modules
		No changes
02.26.55	Mar, 14th 2019	■ Improved ADC accuracy
		GPS page skipped when the vehicle is moving
		■ Increased channel frequencies for selected ECUs (in particular K-line- and RS232- based ones)
		■ Fix bug on clear alarm by keypress
		■ Fix display bug which could lead to device resets with heavy configurations (multiple pages)
		External modules
		No changes

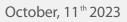






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02.26.53	Feb, 14th 2019	■ Fixed inertial platform orientation
		External modules
		■ 02.26.51 Shift Light Module
		Fixed issues with some ECUs
		No changes for the other modules
02.26.50	Jan, 18th 2019	■ Digital inputs
		■ Support for Memory Module, Strada Logger and GS-Dash
		■ ECU: support Adaptronics and Motec M4 ECU drivers
		External modules
		<b>01.26.48</b> Memory Module and Strada Logger
		<b>01.26.47</b> GS-Dash
02.26.35	Dec, 5th 2018	Added management of Shift Light Module
		Added the support for auto brightness levels configuration (day brightness level, night brightness level and threshold are now fully configurable)
		External modules
		No changes
02.26.12	Oct, 30th 2018	■ Support for CAN Optical Lap (IRM_42)
		■ CAN network fixes
		■ 100Hz CAN output management
		External modules
		No changes
02.26.08	Oct, 15th 2018	■ Improved synchronization of GPS data
		External modules
		<b>35.60</b> GPS Module
		<b>25.47</b> Lambda
		<b>40.61</b> Channel Expansion/TC Hub
		■ <b>70.03</b> Remote buttons interface







Version	Date	Change/additions
02.26.06	Oct, 5th 2018	■ Fixed bug on Digital output priority handling
02.26.01	Oct, 1st 2018	<ul> <li>Added support for rear cam and rear cam configuration menu</li> <li>Fix on units of measure visualization</li> </ul>
02.24.04	Sep, 21st 2018	■ Support for RS232 protocols
02.22.96	Sep, 11th 2018	<ul> <li>Fixed potentiometers calibration</li> <li>Improved display management when ECU CAN stream has very few fields</li> </ul>
02.22.93	Sep, 4th 2018	<ul><li>Support for fuel set/reset using Race Studio 3</li><li>Fix on visualized unit of measure</li></ul>
02.22.81	Jul, 27th 2018	<ul> <li>Fixed Remote button interface compatibility</li> <li>Fixed multiplexed CAN protocols management</li> </ul>