

AiM Firmware Documentation

April, 11th 2025

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Version	Date	Change/additions
02.42.32	Apr, 11th 2025	 Improved ACC3 configuration/calibration Fixed "Integer with sign bit" management External modules 02.42.30 ACC3: fixed bug in calibration procedure
02.42.28	Mar, 20th 2025	 ACC3 support External modules 02.42.27 ACC2 02.42.27 ACC3

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02.42.06	Jun, 17th 2024	LCU1S support
		External modules
		No changes
02.42.01	Apr, 18th 2024	ACC2 and ACC2 Open support
		External modules
		= 02.40.73 ACC
		02.40.95 ACC2
		 02.40.95 GPS09c/GPS09c Open/GPS09c Pro Open 02.40.85 GPS09
		= 02.40.72 GPS09
		1.32.30 GS-Dash
02.40.90	Feb, 29th 2024	Fix device lock in track creation procedure on device
		Fix Wi-Fi not power up in some cases (Wi-Fi OFF)
		External modules
		No changes
02.40.85	Dec, 13th 2023	Add external GPS support
		External modules
		02.40.85 GPS09
02.40.80	Nov, 28th 2023	Improved CAN network
		External modules
		No changes
02.40.77	Oct, 12th 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)

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02.40.65	Jul, 4th 2023	 Added ACC support External modules No changes
02.40.53	Feb, 16th 2023	 Fixed Italian language handling External modules No changes
02.40.40	Nov, 23rd 2022	 Added predictive reference lap management External modules No changes
02.40.21	Jul, 27th 2022	 Fixed IMU platform sensors orientation External modules No changes
02.40.11	Jun, 22nd 2022	 Improved GPS signal handling External modules No changes
02.36.81	Sep, 22nd 2021	Fixed accelerometers, gyros and magnetometers channels not working in some devices External modules No changes
02.36.76	Sep, 10th 2021	 Production needs Added RPM max value in data recall best laps page Fixed accelerometers, gyros and magnetometers channels acquisition External modules No changes

Version	Date	Change/additions
02.36.34	Jun, 11th 2021	 Improved GPS switch on procedure to prevent the "GPS ERROR" issue External modules No changes
02.36.18	Apr, 2nd 2021	 Improved GPS inizialization Added 2 and 5 minutes to Auto-Off setup time in menu Fixed bug that could cause half RPM value External modules No changes
02.34.29	Nov, 25th 2020	 Production requirements External modules No changes
02.32.86	Aug, 21st 2020	 Signalling of expansions/Wi-Fi: the two upper left shiftlights blink blue Fix missing data recall graph External modules No changes
02.32.78	Jul, 10th 2020	 Fixed RPM issue due to wrong RPM factor handling External modules No changes
02.32.74	Jun, 15th 2020	Fixed powerup bug that could cause the system to reset (indicated by red LED blinking slowly) External modules No changes
02.32.72	Jun, 9th 2020	 Japanese language update Improved timing of RS232/K-line communication (it helps with some ECU protocols) Added Hour/Date info from GPS tracks Added reference speed used to calculate odometers External modules No changes

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02.32.57	Mar, 17th 2020	 Minor stability improvements External modules No changes
02.32.52	Mar, 9th 2020	NOTE: production-only release Improved handling of poweroff after fast charge External modules No changes
02.32.49	Feb, 13th 2020	NOTE: production-only release Improved battery handling Solved missing timeout on ECU channels for some serial protocol (RS232 and K-Line) External modules No changes
02.30.10	Jun, 12th 2019	 Fixed bug locking the device in data recall AIM CAN network improvements External modules No changes
02.30.04	May, 2nd 2019	 Fixed bug on track auto-learning enabling External modules No changes
02.30.02	Apr, 19th 2019	 Improved K-line protocols management Added open tracks management Added manual track creation on device In data recall added min speed in best lap page and in all laps page External modules No changes

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02.26.55	Mar, 14th 2019	Increased channel frequencies for selected ECUs (in particular K-line- and RS232- based ones)
		External modules No changes
02.26.50	Jan, 18th 2019	Performance Race Mode: fix wrong units of measurement in data recall page (MPH and ft were shown but values were in km/h and m)
		ECU: support Adaptronics and Motec M4 ECU drivers
		External modules
		No changes
02.26.38	Dec, 14th 2018	Fixed calculated Perfomance Time Fixed (%) (%) Fixed (%
		 Fixed "+/- Best Time" display visualization Added "laptime resume visualization" crossing the finish (it can be disabled by menu option)
		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
02.26.06	Oct, 5th 2018	Fixed bug on backlight set in OFF mode
		 Fixed power off for external modules when Solo 2 DL is in charging mode Fixed bug on Digital output priority handling
		External module
02.24.05	Sep, 21st 2018	Custom pages with pressure channels: unit of measure is selectable for each individual channel
		Performance race: fixed missing performance entry in data recall
		Fixed bug in led bar handling with predictive lap time
		External modules
		No changes

Version	Date	Change/additions
02.22.81	Jul, 26th 2018	 Fixed power consumption in low power mode (board REV00) Fixed multiplexed CAN protocols management External modules No changes
02.22.67	Jun, 29th 2018	 Added automatic start data recall at the end of the new test recorded Fixed bug in Predictive time calculation that in some cases, with high speed applications, caused bad behavior Fixed bug in System Info menu in "Hw revision" text display External modules No changes
02.22.65	Jun, 22nd 2018	 Improved suspend/powerup handling Support for board revisions C and E External modules No changes
02.22.58	May, 31st 2018	 Support of k-line protocols External modules No changes
02.22.52	May, 18th 2018	 Added "All Laps" data recall page and "Speed graph with track" data recall page Added in "Wi-Fi" menu the possibility to choose the Wi-Fi channel to use instead of a random selection at boot Fixed issue that, sometimes, after a shut down of the system, didn't allow to switch on again the Solo 2 DL External modules
		25.47 Lambda