

### **AiM Firmware Documentation**

February, 29<sup>th</sup> 2024

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## Solo 2 Release history

Version	Date	Change/additions
02.40.90	Feb, 29th 2024	Fix device lock in track creation procedure on device
02.40.78	Oct, 12th 2023	Improved AiM CAN NET
02.40.53	Feb, 16th 2023	Fixed Italian language handling
02.40.40	Nov, 23rd 2022	Added predictive reference lap management
02.40.21	Jul, 27th 2022	Fixed IMU platform sensors orientation
02.36.81	Sep, 22th 2021	Fixed accelerometers, gyros and magnetometers channels not working in some devices
02.36.76	Sep, 10th 2021	<ul> <li>Production needs</li> <li>Fixed accelerometers, gyros and magnetometers channels acquisition</li> </ul>
02.36.34	Jun, 11th 2021	Improved GPS switch on procedure to prevent the "GPS ERROR" issue
02.36.18	Apr, 2nd 2021	<ul> <li>Improved GPS inizialization</li> <li>Added 2 and 5 minutes to Auto-Off setup time in menu</li> </ul>
02.34.29	Nov, 25th 2020	Production requirements



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Version	Date	Change/additions
02.32.86	Aug, 21st 2020	Signalling of expansions/Wi-Fi: the two upper left shiftlights blink blue
		Fix missing data recall graph
02.32.74	Jun, 15th 2020	Fixed powerup bug that could cause the system to reset (indicated by red LED blinking slowly)
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
02.32.57	Mar, 17th 2020	Minor stability improvements
02.02.07	Mar, 17 th 2020	
00 00 50		
02.32.52	Mar, 9th 2020	NOTE: production-only release Improved handling of poweroff after fast charge
		- Improved handling of poweron after last charge
02.32.49	Feb, 13th 2020	NOTE: production-only release
		Improved battery handling
02.30.10	Jun, 12th 2019	Fixed bug locking the device in data recall
		AIM CAN network improvements
02.30.04	May, 2nd 2019	Added Feet measure unit when mph unit is set for speed in track witdh setting menu
02.30.02	Apr, 19th 2019	Improved K-line protocols management
		Added open tracks management
		Added manual track creation on device
		Added data garbage in menu
		Added track width setting in menu
		In data recall added min speed in best lap page and in all laps page



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Version	Date	Change/additions
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)
02.26.38	Dec, 14th 2018	Fixed calculated Perfomance Time
		Fixed "+/- Best Time" display visualization
		Added "laptime resume visualization" crossing the finish (it can be disabled by menu option)
02.26.06	Oct, 5th 2018	Fixed bug on backlight set in OFF mode
		Fixed bug on Digital output priority handling
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
02.22.81	Jul, 26th 2018	Fixed power consumption in low power mode (board REV00)
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
02.22.65	Jun, 22nd 2018	Improved suspend/powerup handling
		Support for board revisions C and E
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
		Added acquisition of accelerometer and gyroscope channels