



EVO4S Release history

Version	Date	Change/additions
01.32.34	May, 16th 2024	<ul style="list-style-type: none">▪ Fixed bug that could cause GPS data lost External modules No changes
01.32.30	Dec, 1st 2023	<ul style="list-style-type: none">▪ Added ACC device firmup support External modules <ul style="list-style-type: none">▪ 25.49 LCU-One LCU-One CAN (improved warm up handling)▪ 01.32.30 GS-Dash Fixed Predictive / +-RefTime measures visualization
01.32.26	Jul, 4th 2023	<ul style="list-style-type: none">▪ Added ACC support External modules No changes
01.32.22	Mar, 15th 2023	<ul style="list-style-type: none">▪ Fix GPS samples acquisition that in could cause not recorded data▪ GPS09C support External modules No changes

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01.32.16	Jul, 27th 2022	<ul style="list-style-type: none">▪ New expansions boards (GSDASH2, Shiftlight_B) support External modules <ul style="list-style-type: none">▪ 02.40.10 Shiftlight Module B▪ 02.40.21 GSDASH2▪ 01.32.16 GSDASH
01.32.08	Jun, 7th 2022	<ul style="list-style-type: none">▪ Fixed GPS data sampling from GPS CAN devices (GPS08/GPS09) External modules <p>No changes</p>
01.32.00	May, 17th 2022	<ul style="list-style-type: none">▪ SmartyCam 3 Sport support External modules <p>No changes</p>
01.30.44	May, 2nd 2022	<ul style="list-style-type: none">▪ Fixed digital speed parameters from RS3 configuration setup External modules <p>No changes</p>
01.30.38	Feb, 18th 2022	<ul style="list-style-type: none">▪ Added GPS09B device support External modules <ul style="list-style-type: none">▪ 02.38.03 GPS09B
01.30.30	Aug, 6th 2021	<ul style="list-style-type: none">▪ Fixed bad GPS data synchronization (that caused shorter lap times and GPS speed acquisition) External modules <ul style="list-style-type: none">▪ 02.36.64 GPS09 Module
01.30.06	Nov, 25th 2020	<ul style="list-style-type: none">▪ Added GPS09 support External modules <ul style="list-style-type: none">▪ 35.65 GPS Module: Fix Masterclock received from master that caused bad values in GPS data timestamp
01.30.00	Jun, 9th 2020	<ul style="list-style-type: none">▪ Race Simulators handling▪ Added Hour/Date info from GPS tracks▪ Added reference speed used to calculate odometers▪ Improved k-line handling External modules <p>No changes</p>

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01.28.20	Dec, 4th 2019	<ul style="list-style-type: none">▪ Fixed issue on CAN bus off handling of ECU CAN line▪ Improved synchronization between data from GPS and local data acquisition External modules <ul style="list-style-type: none">▪ 35.64 GPS Module<ul style="list-style-type: none">▪ Improved synchronization between data from GPS and local data acquisition
01.28.10	Jul, 5th 2019	<ul style="list-style-type: none">▪ Fixed bug in Channel Expansion/TCHub firmware that caused blinking in Race Studio 3 Live Measures External modules <ul style="list-style-type: none">▪ 40.63 Channel Expansion/TC Hub<ul style="list-style-type: none">▪ Fixed bug that caused blinking in Race Studio 3 Live Measures
01.28.08	Jun, 12th 2019	<ul style="list-style-type: none">▪ Fixed CAN protocols with multiplex frames External modules <ul style="list-style-type: none">▪ 40.62 Channel Expansion/TC Hub▪ 35.61 GPS Module
01.28.03	Feb, 12th 2019	<ul style="list-style-type: none">▪ Fixed display artifacts in measures value cleaning External modules <ul style="list-style-type: none">▪ 01.26.49 GS-Dash<ul style="list-style-type: none">▪ Measures timeout improved▪ Spansion support▪ Fix data recall synchronization issue▪ 01.26.48 Memory Module<ul style="list-style-type: none">▪ Improved support for various models of SD cards▪ 02.26.51 Shift Light Module<ul style="list-style-type: none">▪ Fixed issues with some ECUs <p>No changes for the other modules</p>
01.26.46	Dec, 5th 2018	<ul style="list-style-type: none">▪ Added management of Shift Light Module External modules <p>No changes</p>

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01.26.42	Oct, 30th 2018	<ul style="list-style-type: none">▪ Support for CAN Optical Lap (IRM_42)▪ Set Brightness Mode using Remote button fix▪ CAN Bus 120 Ohm Resistor setting fix▪ Optical Beacon blind time fix <p>External modules</p> <p>No changes</p>
01.26.38	Oct, 5th 2018	<ul style="list-style-type: none">▪ Added possibility to force channels in Online▪ Fixed bug on Digital output priority handling <p>External modules</p> <p>No changes</p>
01.26.28	Apr, 12th 2018	<ul style="list-style-type: none">▪ Fixed bug in remote display configuration <p>External modules</p> <ul style="list-style-type: none">▪ 01.26.22 Memory Module▪ 01.26.28 GS-Dash▪ 01.26.28 Formula Steering Wheel 3▪ 35.58 GPS Module▪ 25.47 Lambda▪ 40.61 Channel Expansion/TC Hub▪ 70.03 Remote buttons interface
01.26.25	Jan 11th 2018	<ul style="list-style-type: none">▪ Fixed bug when the Start Data Recording standard condition is configured: in some conditions it caused not recorded data▪ Fixed bug in volume sensors with gallons unit measure <p>External modules</p> <ul style="list-style-type: none">▪ 01.26.22 Memory Module▪ 01.26.22 GS-Dash▪ 01.26.22 Formula Steering Wheel 3▪ 35.58 GPS Module▪ 25.47 Lambda▪ 40.61 Channel Expansion/TC Hub

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		<ul style="list-style-type: none">▪ 70.03 Remote buttons interface
01.26.24	Nov 14th 2017	<ul style="list-style-type: none">▪ Fix lockup at power up for some devices <p>External modules</p> <ul style="list-style-type: none">▪ 01.26.22 Memory Module▪ 01.26.22 GS-Dash▪ 01.26.22 Formula Steering Wheel 3▪ 35.58 GPS Module▪ 25.46 Lambda▪ 40.60 Channel Expansion/TC Hub▪ 70.03 Remote buttons interface
01.26.23	Oct 24th 2017	<ul style="list-style-type: none">▪ Support for CAN builder ID mask feature▪ Consumed fuel channel▪ Fix: Pulse per wheel revolution setting not working for Speed1 or Speed2 digital inputs▪ Fix: wrong order of operands in bias math channel <p>External modules</p> <ul style="list-style-type: none">▪ 01.26.22 Memory Module▪ 01.26.22 GS-Dash▪ 01.26.22 Formula Steering Wheel 3▪ 35.58 GPS Module▪ 25.46 Lambda▪ 40.60 Channel Expansion/TC Hub▪ 70.03 Remote buttons interface
01.26.14	Jul 7th 2017	<ul style="list-style-type: none">▪ Improved CAN management: more reliability in firmup and configuration transmission <p>External modules</p> <ul style="list-style-type: none">▪ 01.26.14 Memory Module▪ 01.26.14 GS-Dash▪ 01.26.14 Formula Steering Wheel 3▪ 35.58 GPS Module▪ 25.46 Lambda▪ 40.60 Channel Expansion/TC Hub: minor bug fixed▪ 70.03 Remote buttons interface

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01.26.08	Jun 20th 2017	<ul style="list-style-type: none">▪ Memory Module support External modules <ul style="list-style-type: none">▪ 01.26.08 Memory Module▪ 01.26.08 GS-Dash▪ 01.26.08 Formula Steering Wheel 3▪ 35.58 GPS Module▪ 25.46 Lambda▪ 40.60 Channel Expansion/TC Hub: minor bug fixed▪ 70.01 Remote buttons interface
01.24.56	Jun 1st 2017	<ul style="list-style-type: none">▪ Fixed rolling lap time on GS-Dash and Formula Steering Wheel 3 External modules <ul style="list-style-type: none">▪ 01.24.56 GS-Dash▪ 01.24.56 Formula Steering Wheel 3▪ 35.58 GPS Module▪ 25.46 Lambda▪ 40.60 Channel Expansion/TC Hub: minor bug fixed▪ 70.01 Remote buttons interface
01.24.54	May 19th 2017	<ul style="list-style-type: none">▪ Includes firmware GPS v 35.58.00 that fixes data synchronization with SmartyCam HD External modules <ul style="list-style-type: none">▪ 01.24.54 GS-Dash▪ 01.24.54 Formula Steering Wheel 3▪ 35.58 GPS Module▪ 25.46 Lambda▪ 40.60 Channel Expansion/TC Hub: minor bug fixed▪ 70.01 Remote buttons interface
01.24.52	May 18th 2017	<ul style="list-style-type: none">▪ Fixed GPS Data visualization on GS-Dash and Formula Steering Wheel 3 External modules <ul style="list-style-type: none">▪ 01.24.52 GS-Dash▪ 01.24.52 Formula Steering Wheel 3

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Version	Date	Change/additions
		<ul style="list-style-type: none">▪ 35.56 GPS Module▪ 25.46 Lambda▪ 40.60 Channel Expansion/TC Hub: minor bug fixed▪ 70.01 Remote buttons interface
01.24.45	Apr 19th 2017	<ul style="list-style-type: none">▪ Fixed bug in AiM digital speed channels when 'Ang Velocity' is selected (i.e. RPM setting) <p>External modules</p> <ul style="list-style-type: none">▪ 35.56 GPS Module▪ 25.46 Lambda▪ 40.56 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface
01.24.38	Apr 5th 2017	<ul style="list-style-type: none">▪ Support for Formula Steering Wheel 3 configuration <p>External modules</p> <ul style="list-style-type: none">▪ 35.56 GPS Module▪ 25.46 Lambda▪ 40.56 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface
01.24.34	Mar 24th 2017	<ul style="list-style-type: none">▪ Added GS-Dash management▪ Improved accelerometer support: better filtering and uniform sign convention on various devices <p>External modules</p> <ul style="list-style-type: none">▪ 35.56 GPS Module▪ 25.46 Lambda▪ 40.56 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface
01.24.00	Jan 26th 2017	<ul style="list-style-type: none">▪ Fixed issue that caused CAN network malfunction when remote button device is in the network <p>External modules</p> <ul style="list-style-type: none">▪ 35.56 GPS Module▪ 25.46 Lambda▪ 40.56 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface

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01.22.99	Jan 19th 2017	<ul style="list-style-type: none">▪ Added management of GPS position accuracy measure for CAN output <p>External modules</p> <ul style="list-style-type: none">▪ 35.56 GPS Module▪ 25.46 Lambda▪ 40.56 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface
01.22.94	Dec 5th 2016	<ul style="list-style-type: none">▪ No changes <p>External modules</p> <ul style="list-style-type: none">▪ 35.56 GPS Module▪ 25.46 Lambda: fixed bug that caused shifted lambda samples▪ 40.56 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface
01.22.92	Nov 29th 2016	<ul style="list-style-type: none">▪ Minor improvements <p>External modules</p> <ul style="list-style-type: none">▪ 35.56 GPS Module: improvements in GPS measurements available to SmartyCam overlay▪ 25.44 Lambda▪ 40.56 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface
01.22.86	Nov 15th 2016	<ul style="list-style-type: none">▪ Added IRM CAN LAP support <p>External modules</p> <ul style="list-style-type: none">▪ 35.54 GPS Module: improved satellites fix▪ 25.44 Lambda: added keep alive support▪ 40.56 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface

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01.22.82	Oct 11th 2016	<ul style="list-style-type: none">▪ Speed up USB transfer▪ Fixed bug in GPS lap management that in some cases caused loss of laps detected <p>External modules</p> <ul style="list-style-type: none">▪ 35.50 GPS Module▪ 25.42 Lambda▪ 40.56 Channel Expansion/TC Hub: improved analogic channels acquisition▪ 70.01 Remote buttons interface
01.22.74	Sep 15th 2016	<ul style="list-style-type: none">▪ Fixed alarms functionality based on acquisition channels under encryption <p>External modules</p> <ul style="list-style-type: none">▪ 35.50 GPS Module▪ 25.42 Lambda▪ 40.55 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface
01.22.60	Jul 25th 2016	<ul style="list-style-type: none">▪ Fixed: alarm hysteresis condition▪ Minor bugfixes and improvements <p>External modules</p> <ul style="list-style-type: none">▪ 35.50 GPS Module▪ 25.42 Lambda▪ 40.55 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface
01.20.68	Jul 1st 2016	<ul style="list-style-type: none">▪ Fixed: handling of enabling /disabling of CAN termination resistance <p>External modules</p> <ul style="list-style-type: none">▪ 35.50 GPS Module▪ 25.42 Lambda▪ 40.55 Channel Expansion/TC Hub▪ 70.01 Remote buttons interface