

## Race Studio 2 Release history

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Version	Date	Change/additions																								
<b>2.56.48</b>	Jun, 7th 2018	<b>Race Studio Analysis</b> <ul style="list-style-type: none"><li>▪ Fixed a couple of crashes in plot routines</li><li>▪ ECU stream released:<table><thead><tr><th>Manufacturer</th><th>Model</th><th>Compatib.</th><th>Description</th></tr></thead><tbody><tr><td>HONDA</td><td>CIVIC TYPE R FK2</td><td>EVO4</td><td></td></tr><tr><td>SUZUKI</td><td>SDS 2 Protocol</td><td>All</td><td></td></tr></tbody></table></li><li>▪ Upgrade/Bug Fix:<table><thead><tr><th>Manufacturer</th><th>Model</th><th>Compatib.</th><th>Description</th></tr></thead><tbody><tr><td>LINK</td><td>CAN_BUS_BASE_LCC</td><td>EVO4</td><td></td></tr><tr><td>LINK</td><td>CAN_500k_BUS_BASE_LCC</td><td>EVO4</td><td></td></tr></tbody></table></li></ul>	Manufacturer	Model	Compatib.	Description	HONDA	CIVIC TYPE R FK2	EVO4		SUZUKI	SDS 2 Protocol	All		Manufacturer	Model	Compatib.	Description	LINK	CAN_BUS_BASE_LCC	EVO4		LINK	CAN_500k_BUS_BASE_LCC	EVO4	
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<b>2.56.46</b>	Feb, 26th 2018	<b>Race Studio Analysis</b> <ul style="list-style-type: none"><li>▪ Bug fix about min and max value per lap in channel report</li></ul>																								

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<b>2.56.44</b>	Dec, 20th 2017	<ul style="list-style-type: none"> <li>Is now available to manage in RSA a units change between 'kg/s', 'g/s' and 'mg/s'</li> <li>Upgrade/Bug Fix: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>HALTECH</td> <td>CAN V2</td> <td>All</td> <td>Update to v2.16</td> </tr> </tbody> </table> </li> </ul>	Manufacturer	Model	Compatib.	Description	HALTECH	CAN V2	All	Update to v2.16																																																																
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<b>2.56.38</b>	Oct, 24th 2017	<ul style="list-style-type: none"> <li>Import of Traqmate files (using menu File/Import Traqmate File)</li> <li>Direct import of xrk files (using button Import in Sessions DB View)</li> <li>Bug fix in time distance view to give the possibility to zoom out to the length of the whole session</li> <li>ECU stream released: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>BOSCH</td> <td>DALLARA_F3_08</td> <td>EVO4</td> <td></td> </tr> <tr> <td>MECTRONIK</td> <td>MKE7_R6_WSS</td> <td>EVO4</td> <td></td> </tr> <tr> <td>HONDA</td> <td>CAN_CBR250RR</td> <td>EVO4</td> <td></td> </tr> <tr> <td>RENAULT</td> <td>CLIO_R4_CUP</td> <td>EVO4</td> <td></td> </tr> <tr> <td>KTM</td> <td>X-BOW</td> <td>All</td> <td></td> </tr> <tr> <td>ARTIC CAT</td> <td>WILD CAT</td> <td>All</td> <td></td> </tr> <tr> <td>BRP</td> <td>SkiDoo 600RS G4</td> <td>EVO4</td> <td></td> </tr> <tr> <td>BRP</td> <td>CanAm SSV</td> <td>EVO4</td> <td></td> </tr> <tr> <td>YAMAHA</td> <td>YZZ 2017</td> <td>EVO4</td> <td></td> </tr> <tr> <td>YAMAHA</td> <td>YZZ 2016</td> <td>EVO4</td> <td></td> </tr> </tbody> </table> </li> <li>Upgrade/Bug Fix: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>HONDA</td> <td>CIVIC_TYPE_R_FD2</td> <td>All</td> <td>Fixed temperature offset</td> </tr> <tr> <td>FIAT_ABARTH</td> <td>CAN_STANDARD</td> <td>All</td> <td>Added vehicle speed channel (FA_VEH_SPEED_2) for FIAT PUNTO 2008</td> </tr> <tr> <td>PEUGEOT</td> <td>308_TCR</td> <td>EVO4</td> <td>Added gear channel</td> </tr> <tr> <td>KMS</td> <td>MD35</td> <td>All</td> <td>Fixed Ignition BDTC channel's unit of measurement</td> </tr> <tr> <td>POLARIS</td> <td>RZR</td> <td>All</td> <td>Fixed RPM channel</td> </tr> <tr> <td>BRP</td> <td>SkiDoo 600RS XS</td> <td>EVO4</td> <td>Changed name from SKI_DOO_MXZ_600RS to SkiDoo_600RS_XS</td> </tr> </tbody> </table> </li> </ul>	Manufacturer	Model	Compatib.	Description	BOSCH	DALLARA_F3_08	EVO4		MECTRONIK	MKE7_R6_WSS	EVO4		HONDA	CAN_CBR250RR	EVO4		RENAULT	CLIO_R4_CUP	EVO4		KTM	X-BOW	All		ARTIC CAT	WILD CAT	All		BRP	SkiDoo 600RS G4	EVO4		BRP	CanAm SSV	EVO4		YAMAHA	YZZ 2017	EVO4		YAMAHA	YZZ 2016	EVO4		Manufacturer	Model	Compatib.	Description	HONDA	CIVIC_TYPE_R_FD2	All	Fixed temperature offset	FIAT_ABARTH	CAN_STANDARD	All	Added vehicle speed channel (FA_VEH_SPEED_2) for FIAT PUNTO 2008	PEUGEOT	308_TCR	EVO4	Added gear channel	KMS	MD35	All	Fixed Ignition BDTC channel's unit of measurement	POLARIS	RZR	All	Fixed RPM channel	BRP	SkiDoo 600RS XS	EVO4	Changed name from SKI_DOO_MXZ_600RS to SkiDoo_600RS_XS
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Version	Date	Change/additions
<b>2.56.12</b>	Jun, 20th 2017	<ul style="list-style-type: none"> <li>In data export window, fixed bug that could crash the application while exporting data with 60+ channels selected</li> </ul>
<b>2.56.10</b>	Jun, 15th 2017	<ul style="list-style-type: none"> <li>Fixed issues on devices not communicating, due to expired certificates</li> </ul>
<b>2.56.08</b>	Jun, 9th 2017	<ul style="list-style-type: none"> <li><b>Digital signing with new Verisign certificates</b> On June 12th all our software and driver certificates will be no longer valid as all certificates have an expire date; hence, using previous installers, Windows may prompt you a warning message while installing or communicating. This installer contains a certificate valid for the next three years.</li> </ul>

### Race Studio Analysis

- Fix to let users modify channels values in deg/s into rpm or rad/s

- ECU stream released:

Manufacturer	Model	Compatib.	Description
FORD	FIESTA_ST150	EVO4	
MERCEDES	AMG_GT_GT3_LIM	EVO4	
HYUNDAI	CAN	EVO4	
EFI_EUROPE	Euro_4_v326	EVO4	
AUDI	R8_LMS_GT3_SMC	EVO4	
PERFORMANCE EL	ECU_PE3_1Mbit	EVO4	
KTM	1190	EVO4	
FERRARI	488_GT3	All	

- Upgrade/Bug Fix:

Manufacturer	Model	Compatib.	Description
LOTUS	Cluster 11 _ Exige Cup R	EVO4	Fixed 4 wheel speed channels
KMS	MD35	All	Fixed gear channel
EFI	Euro_1	All	Fixed NTK channels
LINK	CAN_500k_BUS_BASE_LCC	All	Fixed oil and fuel pressure channels
LINK	CAN_BUS_BASE_LCC	All	Fixed oil and fuel pressure channels
GET	A4	All	Add new channels
HONDATA	KPRO4_CAN	All	Fixed fuel temperature channel
BMW	M235i	All	Changed gear management
VOLKSWAGEN	VWGroup	All	Fixed fuel level channel
SUBARU	SSM 1999/2007	EVO4	Fixed communication problem between logger and ECU

## Race Studio 2 Release history

Version	Date	Change/additions
<b>2.56.02</b>	May, 18th 2017	<b>Race Studio Analysis</b> <ul style="list-style-type: none"><li>▪ Introduced the possibility to show the average values for the channels shown in distance plot and in delta. The possibility has to be enabled in time/distance view settings</li><li>▪ Introduced the possibility to show the date and time of the start of every lap in lap manager view</li><li>▪ Introduced the possibility, in the channels report, to compute the average value of a channel avoiding to include zero values in the computation of average values</li></ul>
<b>2.56.00</b>	Mar, 24th 2017	<b>Race Studio Analysis</b> <ul style="list-style-type: none"><li>▪ Fixed bug for which, zooming in and out with two or more drk files open (easier when one was very big and one very small) the time axes of the files could result misaligned</li></ul>
<b>2.55.94</b>	Dec, 5th 2016	<b>Race Studio Analysis</b> <ul style="list-style-type: none"><li>▪ Added the possibility, to be enabled in preferences dialog window, to keep the DB page after loading a session for analysis</li><li>▪ Fixed bug for which it was impossible to open a large number of drk files at the same time</li></ul>
<b>2.55.92</b>	Nov, 22nd 2016	<b>Race Studio Analysis</b> <ul style="list-style-type: none"><li>▪ Fixed bug for which the satellites number in analysis saturated to a maximum number of 20, while GPS08 receivers can go over that number due to the use of more constellations (GPS-Glonass) than the GPS05 (GPS only)</li></ul>
<b>2.55.90</b>	Nov, 11th 2016	<b>Race Studio Analysis</b> <ul style="list-style-type: none"><li>▪ Fixed multiple file import</li><li>▪ Fixed case of possible bad lap origin (in last lap of drk files) in RS2Analysis after downloading a xrk in RS3</li></ul>
<b>2.55.86</b>	Oct, 26th 2016	<b>Race Studio Analysis</b> <ul style="list-style-type: none"><li>▪ Bugfix to avoid the measure units change in potentiometer channels, that sporadically occurred to some customers</li></ul>

## Race Studio 2 Release history

Version      Date

### Change/additions

- ECU stream released:

Manufacturer	Model	Compatib.	Description
AIM	CAN_500kbits	EVO4	
AIM	CAN_1Mbit	EVO4	
FORD	MUSTANG_2015	All	
PORSCHE	CAYMAN_981_GT4_ClubSport	EVO4	
PORSCHE	991_GT3_R_SMC	EVO4	

- Upgrade/Bug Fix:

Manufacturer	Model	Compatib.	Description
HONDATA	K_PRO	All	Fixed channels management
OPEL	ASTRA_TCR_2016	EVO4	Changed ECU driver name

**2.55.68**      Jun, 17th 2016

### Race Studio Analysis

- Bugfix in measure units management
- Bugfix for (possible) shifted traces in kml export

**2.55.66**      Jun, 9th 2016

### Race Studio Analysis

- Introduced the possibility to modify decimal figures for most channels
- Introduced the possibility to modify measure units (for speed, position, voltage, pressure, temperature) for most channels

### Race Studio Configuration

- New ECU protocols

- ECU stream released:

Manufacturer	Model	Compatib.	Description
MOTEC	M1_500k	All	
MOTEC	M130_TRIUMPH675R_BSS	All	
DUCATI	1299	All	
POLARIS	RZR	All	
BOSCH	MS 5.8 F3 2014	EVO4	
MECTRONIK	MV_ECU_KIT_476_1Mbit	All	

- Upgrade/Bug Fix:

Manufacturer	Model	Compatib.	Description
NISSAN	350Z	All	Corrected Steering Wheel angle channel

## Race Studio 2 Release history

Version	Date	Change/additions
<b>2.55.60</b>	Apr, 28th 2016	<b>Race Studio Analysis</b> <ul style="list-style-type: none"> <li>Minor fixes in Data Export functionality</li> </ul>

<b>2.55.56</b>	Apr, 22nd 2016	<b>Race Studio Configuration</b>
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■ ECU stream released:

Manufacturer	Model	Compatib.	Description
OPEL	Astra_OPC_TCR_2016	EVO4	
ALFA ROMEO	GIULIETTA_TCR_Life	EVO4	
PEUGEOT	308_TCR	EVO4	
HONDA	Civic_TCR_H56	EVO4	
MARELLI	MYGALE_F4	EVO4	
LIFE	MYGALE_F4	EVO4	
KAWASAKI	ZX10R_2016	EVO4	
MAZDA	MX5 ND GEMS	EVO4	
BOSCH	FunCup_40VWHX3A_2	All	
HONDATA	KPRO4_CAN	All	
EFI_EUROPE	EURO_2_V061	EVO4	
WALBRO	BIMOTA_DB9	EVO4	
ABIT	KORVET_M11	EVO4	
IGNITECH	IGNIJET_12A	All	
LINK	CAN_500k_BUS_BASE_LCC	All	

■ Upgrade/Bug Fix:

Manufacturer	Model	Compatib.	Description
SEAT_Sport	Leon_TCR	EVO4	Add channels
YAMAHA	CAN_2015	EVO4	Add channels
MERCURY	PORT_OUTER_ENGINE	All	Change CAN bus setting
MERCURY	STARBOARD_OUTER_ENGINE	All	Change CAN bus setting
BOSCH	MS4_SP_T_40CSTX20	EVO4	Change CAN bus setting
BOSCH	MS4_SP_T_40CSTX30	EVO4	Change CAN bus setting
BOSCH	MS44_SP_T_44CSTX20	EVO4	Change CAN bus setting

## Race Studio 2 Release history

Version	Date	Change/additions
<b>2.55.48</b>	Mar, 23rd 2016	<b>Race Studio Analysis</b> <ul style="list-style-type: none"> <li>Fix in data export to MatLab format</li> </ul>
<b>2.55.46</b>	Mar, 14th 2016	<ul style="list-style-type: none"> <li>Fixed problem in Race Studio 2 executable file downloading from various browsers, using a new certificate</li> </ul>
<b>2.55.44</b>	Mar, 3rd 2016	<b>Race Studio Configuration</b> <ul style="list-style-type: none"> <li>ECU stream released:</li> </ul>

■ ECU stream released:

Manufacturer	Model	Compatib.	Description
KMS	MD35_ETC	EVO4	
EMS	EM_TECH	All	
HONDA	Civic_2006_2011	All	
HONDA	Civic_2012	All	
MOTEC	M130_BIKE	All	
MAZDA	MX5_ND	All	
DELL_ORTO	MOTO3	MXL	
LIFE	WOLF_CAN	EVO4	
MERCURY	FCR12	All	
MOTEC	VCS_TransCompound_Full_500k	EVO4	
AUDI	TT_Cup_TCR	EVO4	
SEAT_Sport	Leon_TCR	EVO4	

■ Upgrade/Bug Fix ECUs:

Manufacturer	Model	Compatib.	Description
BOSCH	ABS_M4_500kbits	All	Add channels
BOSCH	ABS_M4_1Mbit	All	Add channels
PORSCHE	991_911	All	Add channels
BMW	BMW_PT6	All	Add channels

## Race Studio 2 Release history

Version      Date  
**2.55.40**      Feb, 12th 2016

### Change/additions

#### Race Studio Analysis

- Bug fix in export to matlab

#### Race Studio Configuration

- Upgrade/Bug Fix ECUs:

Manufacturer	Model	Compatib.	Description
BMW	BIKE_S1000RR		Increased wheel speed channels frequencies
BMW	BIKE_S1000RR_2015		Increased wheel speed channels frequencies
MAXXECU	CAN		Add new channels
MOTEC	M1		Corrected gear management

**2.55.32**      Oct, 7th 2015

### Race Studio Analysis

- Bug fix in csv export file

### Race Studio Configuration

- Gyro sensor available with one decimal point (deg/s .1)

- Released the following ECUs:

Manufacturer	Model	Compatib.	Description
GM	E67_PERF_ECU	EVO4/MXL	
PROEFI	128	EVO4/MXL	
MECTRONIK	MV_ECU_KIT_476	EVO4/MXL	
MARELLI	SRT_CN2	EVO4/MXL	
MARELLI	CAN_LMP3	EVO4	
EMTRON	PAVLOTECH	EVO4/MXL	
AEM	INFINITY V.96 CAN	EVO4/MXL	
PEUGEOT	Funyo_sp05	EVO4/MXL	
JAS	TCR	EVO4	
TURNER	CUSTOM	EVO4/MXL	

- Upgrade/Bug Fix ECUs:

Manufacturer	Model	Compatib.	Description
BMW	BIKE_S1000RR		Added HP4 channels
HALTECH	CAN_V2	EVO4	Fix Bug related on Engine state channel
MARELLI	PROTO_V8		Update all channels list
SC	TYPHOON_TORNADO_V3		Fix Bug related on speeds channels



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<b>2.55.22</b>	Jun, 23rd 2015	<p><b>Race Studio Configuration</b></p> <ul style="list-style-type: none"> <li>▪ Added AiM sensors: <ul style="list-style-type: none"> <li>▪ PRS-831 0-50 PSI Absolute Press sensor</li> <li>▪ PRS-832 0-15 PSI Press sensor</li> <li>▪ PRS-834 0-50 PSI Press sensor</li> <li>▪ PRS-837 0-150 PSI Press sensor</li> <li>▪ PRS-838 0-300 PSI Press sensor</li> <li>▪ PRS-839 0-2000 PSI Press sensor</li> </ul> </li> <li>▪ Released the following ECUs: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>BMW</td> <td>BIKE_S1000RR_2015</td> <td>EVO4</td> <td></td> </tr> <tr> <td>HONDA</td> <td>HDS_TAB_10</td> <td>EVO4</td> <td></td> </tr> <tr> <td>HONDA</td> <td>HDS_TAB_11</td> <td>EVO4</td> <td></td> </tr> <tr> <td>YAMAHA</td> <td>CAN_2015</td> <td>EVO4</td> <td></td> </tr> <tr> <td>BRP</td> <td>SKI_DOO_MXZ_600RS</td> <td>EVO4</td> <td></td> </tr> <tr> <td>YAMAHA</td> <td>R6_MS_Retail</td> <td>EVO4</td> <td></td> </tr> </tbody> </table> </li> <li>▪ Upgrade/Bug Fix ECUs: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MOTEC</td> <td>M84</td> <td>All</td> <td>Add USER 2 channel defined as oil temperature</td> </tr> </tbody> </table> </li> </ul>	Manufacturer	Model	Compatib.	Description	BMW	BIKE_S1000RR_2015	EVO4		HONDA	HDS_TAB_10	EVO4		HONDA	HDS_TAB_11	EVO4		YAMAHA	CAN_2015	EVO4		BRP	SKI_DOO_MXZ_600RS	EVO4		YAMAHA	R6_MS_Retail	EVO4		Manufacturer	Model	Compatib.	Description	MOTEC	M84	All	Add USER 2 channel defined as oil temperature																
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<b>2.55.12</b>	May, 29th 2015	<p><b>Race Studio Configuration</b></p> <ul style="list-style-type: none"> <li>▪ Added 2 sensors: <ul style="list-style-type: none"> <li>▪ KA 0-500 PSI Press sensor</li> <li>▪ KA 0-3000 PSI Press sensor</li> </ul> </li> <li>▪ Released the following ECUs: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ALFA ROMEO</td> <td>4C</td> <td>EVO4/MXL</td> <td></td> </tr> <tr> <td>TOMS</td> <td>DOME_FIA_F4</td> <td>EVO4</td> <td></td> </tr> <tr> <td>MICROTEC</td> <td>TM</td> <td>EVO4/MXL</td> <td></td> </tr> <tr> <td>BOSCH</td> <td>Tuner MS4 E46 M3</td> <td>EVO4/MXL</td> <td></td> </tr> <tr> <td>FAST</td> <td>XFI</td> <td>EVO4/MXL</td> <td></td> </tr> <tr> <td>GM</td> <td>C7_STINGRAY</td> <td>EVO4/MXL</td> <td></td> </tr> <tr> <td>MECTRONIK</td> <td>MK_E7_455</td> <td>EVO4/MXL</td> <td></td> </tr> <tr> <td>FUEL_TECH</td> <td>CAN</td> <td>EVO4/MXL</td> <td></td> </tr> <tr> <td>TRIUMPH</td> <td>BIKE_K_LINE</td> <td>EVO4</td> <td></td> </tr> <tr> <td>MARELLI</td> <td>FORMULA_MASTERS_CHINA_SERIES</td> <td>EVO4/MXL</td> <td></td> </tr> </tbody> </table> </li> <li>▪ Upgrade/Bug Fix ECUs: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MBE</td> <td>9A8998CAN</td> <td>EVO4/MXL</td> <td>Correction bug related to 6th gear management</td> </tr> </tbody> </table> </li> </ul>	Manufacturer	Model	Compatib.	Description	ALFA ROMEO	4C	EVO4/MXL		TOMS	DOME_FIA_F4	EVO4		MICROTEC	TM	EVO4/MXL		BOSCH	Tuner MS4 E46 M3	EVO4/MXL		FAST	XFI	EVO4/MXL		GM	C7_STINGRAY	EVO4/MXL		MECTRONIK	MK_E7_455	EVO4/MXL		FUEL_TECH	CAN	EVO4/MXL		TRIUMPH	BIKE_K_LINE	EVO4		MARELLI	FORMULA_MASTERS_CHINA_SERIES	EVO4/MXL		Manufacturer	Model	Compatib.	Description	MBE	9A8998CAN	EVO4/MXL	Correction bug related to 6th gear management
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<b>2.55.04</b>	Dec, 23rd 2014	<p><b>Race Studio Configuration</b></p> <ul style="list-style-type: none"> <li>Formula Steering Wheel 2 Management</li> <li>Released the following ECUs: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SCCA Enterprises</td> <td>Formula Enterprises</td> <td>All</td> <td></td> </tr> <tr> <td>SCCA Enterprises</td> <td>Spec Racer Ford,GEN3A</td> <td>All</td> <td></td> </tr> <tr> <td>BLACK_BOX</td> <td>M3</td> <td>All</td> <td></td> </tr> <tr> <td>OLSBERGS</td> <td>MSE</td> <td>All</td> <td></td> </tr> <tr> <td>PERFORMANCE_EL</td> <td>ECU_PE3</td> <td>All</td> <td>Renamed old ECU_EDGE</td> </tr> </tbody> </table> </li> <li>Upgrade/Bug Fix ECUs: <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MARELLI</td> <td>SRA_SRAE_SRT</td> <td>All</td> <td>Changed gear channel measure</td> </tr> </tbody> </table> </li> </ul>	Manufacturer	Model	Compatib.	Description	SCCA Enterprises	Formula Enterprises	All		SCCA Enterprises	Spec Racer Ford,GEN3A	All		BLACK_BOX	M3	All		OLSBERGS	MSE	All		PERFORMANCE_EL	ECU_PE3	All	Renamed old ECU_EDGE	Manufacturer	Model	Compatib.	Description	MARELLI	SRA_SRAE_SRT	All	Changed gear channel measure
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<b>2.54.02</b>	Jul 23rd 2014	<p><b>Race Studio Analysis</b></p> <ul style="list-style-type: none"> <li>User profiles, crash bug fix (mostly when using multiview, while loading profiles a leak of video resources could be generated)</li> </ul>																																

## Race Studio 2 Release history

Version	Date	Change/additions
		<ul style="list-style-type: none"> <li>▪ Data export, bug fix (wrong lap times could be saved into the CSV files)</li> <li>▪ Data export, bug fix (GPS data could be badly interpolated in all file formats)</li> <li>▪ Time/Distance view, bug fix (an, apparently erratic, "invalid argument" message could be generated)</li> <li>▪ Language choosing, crash bug fix (while choosing language after a brand new installation a crash was always generated)</li> </ul>

### Race Studio Configuration

- Released the following ECUs:

Manufacturer	Model	Compatib.	Description
MARELLI	MITJET_2I_Turbo	All	
MARELLI	SRT-BSD	All	
EMTRON	CAN	All	
MARELLI	MARVEL_6	All	
BMW	F_21	All	
BMW	M235i	All	
GET	GP1_PRE_GP	All	
MOTEC	M1	All	

- Upgrade/Bug Fix ECUs:

Manufacturer	Model	Compatib.	Description
BMW	BIKE_S1000RR	All	Correction bug related to CAN BUS management
OBDII	CAN	All	Improved communication between ECU and logger
KAWASAKI	KIT RACING	All	Increased acquisition frequencies of TC_SELECT channel
BMW	MINI	All	Corrected the management of wheel speed channels
DUCATI	PANIGALE	All	Added DTC level and Map Selected channels

**2.54.00** May 14th 2014

### Race Studio Configuration

- Released the following ECUs:

Manufacturer	Model	Compatib.	Description
TRIUMPH	DAYTONA_675	EVO4	
NIRA	I2x_CAN_V1.0	All	
GEMS	OMEX_600_710	All	
AUDI	GROUP_2008	All	
PORSCHE	991_GT3_CUP	All	
EFI_EUROPE	LIGIER_JS53	EVO4	
MARELLI	TATUUS_F4	EVO4	
YAMAHA	R6_MS	EVO4	

## Race Studio 2 Release history

Version      Date

### Change/additions

- Upgrade/Bug Fix ECUs:

Manufacturer	Model	Compatib.	Description
DUCATI	PANIGALE	All	Correction bug related to maximum value of rear wheel speed channel; added DTC channels
KAWASAKI	KIT RACING	EVO4	Added Traction control Level selection channel
TOYOTA	GT86/SCION_FRS	All	Added wheel speed, gear and oil temperature channels

**2.53.00**

Nov 6th 2013

### Race Studio Configuration

- New G-Dash management as ECU Bridge display
- Released the following ECUs:

Manufacturer	Model	Compatib.	Description
EM	DTM_2012	All	
EM	DTM_2013	All	
MAXXECU	CAN	All	
GET	A4	All	

- Upgrade/Bug Fix ECUs:

Manufacturer	Model	Compatib.	Description
HONDATA	KPRO	EVO4	Correction spike of ECU channels

**2.52.00**

Jun 17th 2013

### Race Studio Configuration

- New managing of GT Steering Wheel as ECU Bridge display
- Released the following ECUs:

Manufacturer	Model	Compatib.	Description
BMW	MINI_CHALLENGE	All	
YAMAHA	FORMULA_MODENA		Configuration for EVO4, SoloDL, ECU Bridge only
MV-AGUSTA	F3	All	
RENAULT	MEGANE_R3_RS	All	
NIRA	I7x	All	
MAN TRUCK	EDC CAN BUS_2	All	

- Upgrade/Bug Fix ECUs:

Manufacturer	Model	Compatib.	Description
AUDI	R8_LMS		Add lambda channels
BMW	Z4_GT3		Correction channel management
HONDA	CIVIC_TYPE_R_FN2		Correction CAN management

## Race Studio 2 Release history

Version	Date	Change/additions																																								
		<p><b>Race Studio Analysis</b></p> <ul style="list-style-type: none"> <li>▪ Fixed bug for which renaming a drk measure the same measure disappeared from the measures list</li> <li>▪ Fixed bug for which in the printouts the lap time value was missing</li> <li>▪ Fixed bug for which it was impossible to import user profiles</li> <li>▪ Fixed bug for which a wrong message box was prompted when opening drk files with a double click</li> <li>▪ Fixed bug due to a bad management of measure units in preferences window</li> <li>▪ Fixed bug in profiles management that could lead to an application crash in case GPS window was open while closing drk files</li> <li>▪ Fixed bug for which in some cases the space bar pressure to show/hide lateral bar could lead to color changes</li> <li>▪ Fixed bug in profiles management for which changing a setting in measures scales, these could be forgotten closing and reopening drk files</li> <li>▪ Fixed bug for which if a problem occurred creating a video stream the software crashed</li> <li>▪ RSanalysis now manages movies in the former not working 'Show movie' window</li> </ul> <p><b>Race Studio Download</b></p> <ul style="list-style-type: none"> <li>▪ Fixed bug about M4 expansion speed channel that did not have wheel circumference and wheel pulse for revolution values</li> <li>▪ Fixed bug about calculated run that caused gps data shifting</li> <li>▪ Fixed bug importing data from SmartyCam that caused a wrong error prompt</li> <li>▪ Upgraded gps data validation</li> </ul>																																								
<b>2.51.00</b>	May 9th 2013	<p><b>Race Studio Configuration</b></p> <ul style="list-style-type: none"> <li>▪ Released the following ECUs: <table border="1" data-bbox="533 1485 1493 1776"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>VOLKSWAGEN</td> <td>VW_SCD_CNG_2013</td> <td>All</td> <td></td> </tr> <tr> <td>LEXUS</td> <td>IS_F</td> <td>All</td> <td></td> </tr> <tr> <td>FORD</td> <td>FOCUS_2013</td> <td>/</td> <td>Configuration for EVO4, SoloDL, ECU Bridge only</td> </tr> <tr> <td>MERCEDES</td> <td>SLK</td> <td>All</td> <td></td> </tr> <tr> <td>MARELLI</td> <td>PROTO_V8</td> <td>All</td> <td></td> </tr> <tr> <td>TRIEKT</td> <td>CAN_500kbit</td> <td>All</td> <td></td> </tr> <tr> <td>TRIEKT</td> <td>CAN_1Mbit</td> <td>All</td> <td></td> </tr> </tbody> </table> </li> <li>▪ Upgrade/Bug Fix ECUs: <table border="1" data-bbox="533 1861 1493 1926"> <thead> <tr> <th>Manufacturer</th> <th>Model</th> <th>Compatib.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>VOLKSWAGEN</td> <td>VW_SCD_CNG_10_12</td> <td>All</td> <td>Changed configuration name</td> </tr> </tbody> </table> </li> </ul>	Manufacturer	Model	Compatib.	Description	VOLKSWAGEN	VW_SCD_CNG_2013	All		LEXUS	IS_F	All		FORD	FOCUS_2013	/	Configuration for EVO4, SoloDL, ECU Bridge only	MERCEDES	SLK	All		MARELLI	PROTO_V8	All		TRIEKT	CAN_500kbit	All		TRIEKT	CAN_1Mbit	All		Manufacturer	Model	Compatib.	Description	VOLKSWAGEN	VW_SCD_CNG_10_12	All	Changed configuration name
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## Race Studio 2 Release history

Version      Date  
**2.50.00**      Apr 18th 2013

### Change/additions

#### Race Studio Configuration

- The RS2 software lets you create a configuration with upcoming GT Steering Wheel display for EVO4 system
- Fixed bug for which ECU channels values were wrong in Online view for XGLog and other former AiM devices
- Fixed bug about "M4 Generic 0-100" channel name that caused problems with Math Channel in RS2Analysis
- Fixed bug about selected pages of G-Dash display
- Fixed bug for which, receiving configuration from a device, ECU configuration could be wrong when logger configs were using ECU stream but no CAN expansions
- Released the following ECUs:

Manufacturer	Model	Compatib.	Description
SUZUKI	RMZ	Solo/SoloDL	
SEAT_Sport	IBIZA_TDI_2012	All	
NEMESIS	TCS_2_Cylinders	All	
NEMESIS	TCS_4_Cylinders	All	
SEAT_Sport	SEAT_Group	All	
MBE	9A9CAN	All	
TEXYS	IRN4C	All	
TOYOTA	GT86/SCION_FRS		
OPEL	ASTRA_OPC	All	
LOTUS	EVORA	All	
PORSCHE	CAYMAN_ABS_M4	All	
BOSCH	MS_4.00W4E3C_VGS	All	

- Upgrade/Bug Fix ECUs:

Manufacturer	Model	Compatib.	Description
BOSCH	EMS SDI 3.1 SIEMENS		Correction CAN priority
EFI_EUROPE	EURO1		Correction water temperature channel
PORSCHE	MS4_997_GT_R		Add channels

#### Race Studio Analysis

- Fixed crash in case of click over an empty histogram view in tiled mode
- Drk import feature has been modified in order to let RSA import from all drives (but not read only drives)
- Fixed bug in disable button management in DB view
- RSA lets users insert a wheel circumference lower than 10 inches (the bug was only related to imperial units)
- Fixed bug that could cause a crash opening a drk generated by very old RS2 software

## Race Studio 2 Release history

Version	Date	Change/additions																																								
<b>2.50.00</b>	Apr 18th 2013	<p><b>Race Studio Download</b></p> <ul style="list-style-type: none"><li>▪ Fixed bug offering M4: now avoids saving more channels with same name otherwise RS2Analysis shows only one</li><li>▪ Fixed bugs for which sometimes GPS data were skipped or shifted by download software</li><li>▪ Fixed bug for which downloading data to a network path, data were saved in "C:\"</li><li>▪ Fixed bug for which if you download data from a MemoryKey, when CAN-expansions were used, some data were missing (and Race Studio crashed)</li></ul>																																								
<b>2.48.00</b>	Feb 8th 2013	<p><b>Race Studio Download</b></p> <ul style="list-style-type: none"><li>▪ New G-Dash display for EVO4 system</li><li>▪ Released the following ECUs:</li></ul> <table border="1"><thead><tr><th>Manufacturer</th><th>Model</th><th>Compatib.</th><th>Description</th></tr></thead><tbody><tr><td>RENAULT</td><td>CLIO_R3_RS</td><td>All</td><td></td></tr><tr><td>GET</td><td>GP1_EVO</td><td>All</td><td></td></tr><tr><td>BOSCH</td><td>ABS_M4_1Mbit</td><td>All</td><td></td></tr><tr><td>BOSCH</td><td>ABS_M4_500kbits</td><td>All</td><td></td></tr><tr><td>MICROTEC</td><td>M222</td><td>All</td><td></td></tr><tr><td>MICROTEC</td><td>M206</td><td>All</td><td></td></tr><tr><td>MERCURY</td><td>BRUCATO_ACU</td><td>EVO4</td><td>Configuration for EVO4, SoloDL, ECU Bridge only</td></tr></tbody></table> <ul style="list-style-type: none"><li>▪ Upgrade/Bug Fix ECUs:</li></ul> <table border="1"><thead><tr><th>Manufacturer</th><th>Model</th><th>Compatib.</th><th>Description</th></tr></thead><tbody><tr><td>MBE</td><td>9A8CAN</td><td>All</td><td>Correction CAN priority</td></tr></tbody></table>	Manufacturer	Model	Compatib.	Description	RENAULT	CLIO_R3_RS	All		GET	GP1_EVO	All		BOSCH	ABS_M4_1Mbit	All		BOSCH	ABS_M4_500kbits	All		MICROTEC	M222	All		MICROTEC	M206	All		MERCURY	BRUCATO_ACU	EVO4	Configuration for EVO4, SoloDL, ECU Bridge only	Manufacturer	Model	Compatib.	Description	MBE	9A8CAN	All	Correction CAN priority
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