

July, 1st 2021

Race Studio 3 Release history Page 1 Version Date Change/additions 3.36.11 Jul, 1st 2021 **Live Measures** Fixed bug for which for some channels it was impossible to change units of measure **ECU Stream** Fixed some protocols for which, upon the creation of a new configuration, channels wrongly resulted in being hidden **CAN Builder** Jun, 24th 2021 3.36.09 Fix for buttons in main protocols DB that could result in being hidden Configuration Fix in font management in device pages, that could make the receive/transmit of the configuration extremely slow Fix in infoline configuration: it allowed a change that culd generate display errors on devices Jun, 18th 2021 Configuration 3.36.07 RS3 is now ready to support new features in the firmware, to quicker manage fonts and icons. Please notice that with this version of RS3 you'll be in the need of a new firmware (supplied with RS3 itself) Tracks Computations for web mapping have been accelerated General Small fix in recognizing the Wi-Fi name of a device General 3.36.04 Mar, 24th 2021 Improved Wi-Fi device scan speed for AiM devices when RS3 is running on a virtualized Windows Start of Wi-Fi connection has been made quicker Improved Wi-Fi password verification function device window Introduced a Wi-Fi warning icon to inform users when they're possibly connected to two networks sharing the same IP addresses A couple of modifications were made to avoid useless RS3 logs Fix to Wi-Fi choice menu, in which AiM devices could be erroneously placed into other networks. Notice: this NOT being a bug in communication but only a user interface menu sorting Fix to FastLap export format Fixed a couple of crashes that could happen while closing RS3, this generating a RS3 instance to be closed using TaskManager Download Fixed bug in xrk parsing. Some GPS samples could result as missing upon crossing GPS week change



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Version	Date	Change/additions
		Fixed bug for which, downloading an xrk file with ECU locked channels, those channels were missing in the drk file also in case the protection password was installed. Notice: the xrk2drk utility was instead perfectly functional
		Fixed filtering for GPS Accelerometers in conversion to DRK
		Configuration
		Fixed bug in SmartyCam stream that could result not keeping channels previously set
.35.01	Feb, 22nd 2021	General
		Added export for .s3t files
		Added export for FastLap format
		Improved rendering speed for web mappings
		Some fixes in xrk to drk conversion (management of GPS samples)
		Fixed possible "lazyness" in closing RS3
		Fixed a couple of possible crashes while closing RS3
		Fixed audio management in movies
		Fixes in management of files and folders with possible non ASCII characters
		Fixes in management of start/finish line while creating a track with no driven line
		Fixed bug that (due to a wrong management of a timeout from an external API) could make RS3 be very slo
		Configuration
		Fixed minor bugs and memoryleaks about math channels, status variables
		Correction of the message informing that selecting the size of 1 byte the value of the CAN Output chann could be truncated
		Introduced possibility to manage alarm action only in Master and not in Slave (and viceversa)
3.34.06	Feb, 11th 2021	Configuration
		= Fixed bug in Speed Chappels that could not be recorded Uplikely bug but theoretically it could happen

Fixed bug in Speed Channels that could not be recorded. Unlikely bug, but theoretically it could happen on all devices featuring a speed channel.

3.34.05 Jan, 21st 2021
 RS3

 Fixed bug that might freeze the software when importing/opening configuration
 Fixed bug that forbade the visualization of some channels into SmartyCam videos
 Fixed bug that (due to a wrong management of a timeout) could make RS3 be very slow

 Download

 Fixed bug converting xrk files into drk files



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Version 3.34.03	Date Dec, 4th 2020	Change/additions Download Fixed download of MyChron5 660
3.34.02	Nov, 2nd 2020	 Fixed bug while parsing xrk files from MyChron5. All channels from expansions (LCU, IR Temp,) are properly managed in the drk file
3.34.01	Oct, 27th 2020	 RS3 Managed Toggle channel with long/short pressure time setting Managed Multiposition channel with work value and long/short pressure time setting New sensors naming to avoid AiM prefix Bug fixes in channels management in existing configurations Minor bug fixes in web updates Download Some fixes/improvements in xrk file parsing, mostly bound to new GPS file structures Other Minor bug fixes/improvements
3.32.14	Oct, 7th 2020	Configuration SmartyCam HD/GP HD: added support for a new overlay
3.32.12	Jun, 12th 2020	 General Updated icon selection dialog and fixed bugs in editing custom icons (a freeze/crash in the window) Updated ECU protocols Fixed bug for which more simulator files than needed were prompted for being converted into drk Fixed bug in the management of a customer 'cancel' while editing the color of an icon Fixed bug in import of Assetto Corsa Files for which their date was set to import date instead of simulation date
3.32.09	Jun, 3rd 2020	 General The RS3 installer features a new digital signign certificate Bug fix in data conversion to SCCA CSV file format: distance was wrongly be saved in km instead of the agreed feet. Now the units of measure for channels are (not depending upon RS3 units preferences): mph for Speed, g for accelerations, m for GPS Pos accuracy



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Version	Date	 Change/additions The settings menu has changed a little bit in order to: add a menu to link the AiM Sim Racing website the "Import" menu has been changed into "Conversion" menu, as what's done there is properly a conversion to drk format (and possibly others) in the "Conversion" menu, the ibt, acc and rf2 formats are shown separately, to make it more clear moved the batch conversion menu together with other conversion menus Small Fixes in the championship management while converting ibt, acc and rf2 files into drk files: now the championship always have the name of the simulator, in order to be able to immediately identify
		those files in RS2Analysis DB. The ibt file format starts managing test types and vehicle setup as drk notes. The acc file format inserts in drk notes the Assetto Corsa version Simulator Manager
		 Fixed bug for which saving data from Assetto Corsa Competizione the acc files generated were huge, due to uselessly repeated data into the stream saved to file. This didn't happen in case of data streamed to a device
3.32.07	May, 29th 2020	General
		 Officially added the support for rFactor 2
		 Made some adjustments to the import of files: acc (Assetto Corsa Competizione) and ibt (iRacing) in order to (basically) better manage lateral accelerations and avoid track map being mirrored by default in RS2Analysis
		Simulator Manager
		 For the changes made to manage also the rFactor 2 stream, unfortunately we had to rename some channels (basically tire temps) into the simulators protocol, so some of them couldn't be working. Our advice is to open your configuration and re-select the simulator ECU stream, then make all eventually needed adjustments in
		The rFactor 2 plugin is new and it's automatically installed into rFactor2 install dir, using default installations paths. The AiM Simulator Manager informs user if the rFactor 2 simulator is already running, as in this case the installation of the plugin can't be working as expected
		 Better management of the Start button, in case no simulator has ever been chosen (aka, very first application launch)
		Now the application doesn't exit any more upon the inadvertedly press of the 'Esc' key
		Fixed the sign of the accelerations in Assetto Corsa Competizione
3.32.06	May, 27th 2020	General
		Added new channels in iRacing imports
		Fixed lap change management in iRacing simulator that generated false zero seconds laptimes in drk files
		Fixed the management of GPS vs bad samples in iRacing simulator



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Version	Date	Change/additions
		Download
		All the information inserted by users while downloading now are written also in xrk files, for this reaso from now on it will be possible to get the same info back while importing xrk files into database and while converting xrk files into drk files
		Configuration
		Upon changing an ECU protocol the checkbox to keep the names of the previous channels is no longe flagged by default
		Fixed alert icon wronly shown in display page and its settings rows when selecting 'not set' on a change
		Simulator Manager
		Fixed bug for which the RPM wasn't sent to some iRacing configurations
3.32.03	May, 22nd 2020	Sim Racing
		 Added possibility to import the data stream generated from simulators. Such a stream can be transmitted to a AiM device (only USB) via a separate application (AiM Simulator Manager), dedicated protocols (included in RS3 and available through web updates) and dedicated firmware (included in RS3). The stream can also be converted into a drk file for using it with RS2Analysis. More info at www.aim-sportline.com/simracing.
		Configuration
		Added the possibility to use the reference speed to be used for odometer channels
		Minor updates in display pages (for MXP, MXS/MXG 1.2)
		Fixed bug that kept alert shown in Display tab page
		Bug fix MXm and MXP for which the internal gyros disappeared in some cases
		Bug fix with some units of measure use in configuration
		Bug fix to MX2E purple labels (wrongly set to blue in some cases)
		Tracks
		The window that shows the track properties for the hot item in tracks database now features also time zone and DST information for all the tracks in the database
		Bug fix for which the track was erroneusly shown as closed even if it was an open track
		General
		Minor bug fixes and improvements (i. e. bug fix to avoid a little flicker while updating the text or the icon of a button in the top toolbar)
2 24 64	Ann 164 2020	Confirmation
3.31.06	Apr, 16th 2020	Configuration
	Api, 10(112020	 Fixed Bug that forbade a correct update for tracks



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Version	Date	Change/additions						
3.31.05	Mar, 27th 2020	Configuration						
		 General speed up in transmitting configuration to devices The new software transmits the TFT pages in a compressed format, it requires a new firmware, included into the RS3 installer 						
		MX2E:	MX2E:					
		Display can now have additional channel configurated using RS3						
		Each of the 16 possible page configuration can have between 2 and 4 additional fields						
			er can decide to add informatio and channel expansion), from					
			configured as well to choose the n a gear-dependent way. So usi r	•				
		For user with a SmartyCam its stream can be configured as well using the default channels to stream or users can choose to freely stream other channels for the camera overlay configuration						
		Bug fix in data download: files with no GPS traces didn't get the conversion to drk format						
		Minor improvements						
3.30.14	Mar, 3rd 2020	Configuration						
		New included RS2 ve	ersion, this including latest ECU	protocols:				
		ECU stream release	ed:					
		Manufacturer	Model	Compatib.	Description			
		LOTUS	Clusters_11_19	EVO4				
		FERRARI	488 Challenge	EVO4				
		PECTEL	Cosworth LoA	EVO4				
		PECTEL	Cosworth LoA 2020	EVO4				
		Upgrade/Bug Fix:						
		Manufacturer	Model	Compatib.	Description			
		MOTEC	M84	EVO4	Fixed fuel and oil channels			

- Fixed bug while importing TQM files
- Fixed bug that forbade the correct saving of status variables while saving a configuration using the 'Save As' button
- Fixed bug generated by wrong (x,y) coordinates in some graphic pages of configurations



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касе	Studio 3	Release history	Page
Version	Date	Change/additions	
3.30.12	Jan, 14th 2020	Configuration	
		-	or SmartyCam created in a custom ECU protocol
		For MXK10 and MX2E devices the main odor and not to the end users	meter setting is allowed only to official distributors
3.30.11	Dec, 9th 2019	Configuration	
		Added configuration of MX2E device	
		Management of some new pressure sensors	:
		 AiM 0-5 bar abs (X05PSA00005B10A) 	AiM 0-160 bar (X05PSA00160B38)
		AiM 0-10 bar (X05PSA00010B10)	AiM 0-15 psi (X05PSA00015P18)
		 AiM 0-5 bar abs (X05PSA00005B38A) 	 AiM 0-50 psi abs (X05PSA00050P18A)
		Fixed some bugs about display icons	
		 Other minor bug fixed 	
3.30.07	Nov, 4th 2019	Configuration	
			onfiguration with RS3 3.30.00-3.30.05, such a configuratic 3.30.06 the same configuration, upon open and save cycl
			ng a number of tracks with a device connected on WiFi, g to another device on WiFi, the selection of tracks could
		Minor bug fix upon the (unlikely) operation installation	of trying creating a device icon as very first thing after RS:
		Analysis	
		Bug fix for RS2Analysis while importing Traq	mate files (*.tqm)
8.30.05	Oct, 28th 2019	Configuration	
		 Fixed bug for which, while saving a configur (for fixing this we recently suggested a redis 	ation, on some PCs the RS3 crashed tributable package, that's now included in the RS3 installe
		Fixed bug for which RS2A couldn't import xi	rk files any more
		 Fixed bug for which the transmit configurati a new firmware was needed 	ion could wrongly generate a message stating
		Fixed bug for which the RS3 live measures constructions	ould remain enabled and forbid or disturb other



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Version Date Change/additions 3.30.01 Oct, 21st 2019 Configuration MXK10 (5th gen): is now possible to transmit to device Embedded fw 02.32.11 that fixed bugs: on digital speed 2 input and display page after rear camera visualization 3.30.00 Oct, 16th 2019 Configuration Added support for firmware 2.32.09 for (MXG 1.2, MXS 1.2, MXP, ...) that allows a number of improvements to make it way quicker than before Added support for firmware for MXK10 (Gen4) devices • 64 bit has arrived; this RS3 version will not run on 32 bit computers any more Minor improvements and fixes 3.29.48 Aug, 1st 2019 Configuration CanOutput: fixed bug when adding a new payload Minor enhancements Jul, 17th 2019 Configuration 3.29.47 Added new MXK10 device (official version) Bug fix in parsing xrk files while downloading from devices Bug fix in using the "save as" option for configurations (it could be duplicating some channels or miss expansions in case of very old configurations) Minor bugs fixed Jun, 26th 2019 3.29.46 Configuration Fixed bug in custom ECU: avoid loss inserted data when close and reopen the protocol

(without close sw)

Minor bugs fixed

Fixed colored popup alarm for MXm and MXL2

Precalculated gear math channel now save 'Shiftime'

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Version 3.29.34	Date May, 23rd 2019	Change/additions Configuration = Added new device MXK10 = Popup Alarm can now manage text and background color (firmup is needed) = Minor bugs fixed = Added new ECU protocols in Race Studio 2
3.29.13	Apr, 16th 2019	Download Included ECU protocols erroneously forgotten in previous release
3.29.12	Apr, 12th 2019	Download Fixed bug in download that forbade creation of drk files
3.29.11	Apr, 8th 2019	 Configuration Added new pressure sensors: AiM 0-5 bar (X05PSA0000538) AiM 0-150 psi (X05PSA0015018) AiM 0-10 bar (X05PSA00010xx) AiM 0-10 bar (X05PSA0005018) AiM 0-50 psi (X05PSA0005018) AiM 0-2000 psi (X05PSA0200018) AiM 0-100 bar (X05PSA00100xx) Added the possibility to manage notes for custom ECU protocols Corrected management for Turbo RPM sensors Some fixes in channel parameters window Fixed bug for which, upon a change in the flag for automatically downloading ECU protocols updates, RS3 had to be restarted to see the flag applied Fixes in autocalibrating absolute pressure sensors
3.29.08	Mar, 20th 2019	 Configuration Improved the error management in SmartyCam HD communications Fixed bug in channels configuration, for which some channels IDs were not shown, though correctly managed



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Race Studio 3 Release history Page 10 Version Date Change/additions 3.29.07 Mar, 13th 2019 Configuration Added the CVT Belt Temp Sensor Fix a bug in the SmartyCam logo management and enabled the enlargement of images 3.29.05 Mar, 8th 2019 Configuration Added a new page for TFT displays (MXP, MXS, MXS 1.2, MXG, MXG 1.2 and Strada Series) 3.29.02 Mar, 4th 2019 Configuration New features for SmartyCam GP HD Rev. 2.2: added reversed central bargraph For all graphic MXx devices the "Driver M4" page has been rivisited in alignment Bug fix in configuration of parameters of "Channels Expansion" channels Bug fix for Solo 2 DL, for which more than one lambda could be added (not managed by the device) Fixes for SmartyCam GP HD Rev. 2.2: Bug in transmitting some protocols Now channels of an external GPS are managed Analysis RS2Analysis added track type "Double O" (to those already existing: "Closed", "Open", "Figure 8") in order to manage tracks (popular in rally cross) that are closed to 720 instead that 360 degrees 3.28.01 Feb, 4th 2019 Configuration Added the possibility to configure the Analog Inputs also as Digital Inputs Minor bugs fixed 3.27.01 Dec, 6th 2018 Configuration Fixed bug when underscore or space is used to set channel name 3.27.00 Dec, 4th 2018 Configuration Added Shift Light Module management Minor bugs fixed



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Version	Date	Change/additions
3.26.01	Nov, 23rd 2018	Configuration
		Fixed bug about ECU Protocols Updating in Race Studio 3.26.00
3.26.00	Nov, 20th 2018	Configuration
		 Added SmartyCam GP HD Rev. 2.2 management with ECU configuration (needs firmware version 01.03.82)
		User interface minor improvements
		Web Updates minor improvements
		Minor bugs fixed
3.25.02	Nov, 9th 2018	Configuration
5.25.02	100, 9(112018	 Added analog 12V sensor
		-
		Bug fix using 'Driver Page 1' mask for MXG 1.2
3.25.00	Oct, 19th 2018	Configuration
5.25.00	000,19012010	 Added MXG 1.2 Strada management
		 Now Race Studio 3 links to release history or documentation files use https mode instead of http
3.24.02	Oct, 5th 2018	Configuration
		 New icons availables: ECO, DPS and Wheel drive
		MXP Strada
		Max 8 analog channels
		Max 1 digital output
		Minor improvement in xrk to drk utility
		CAN2 Stream now saves: 'Silent' and '120 ohm' properties
		Fixed bug about saving configuration without an ECU protocol
		Minor bugs fixed
3.24.00	Oct, 1st 2018	Configuration
		Added MXP, MXP Strada management
		Added Can Output management for MXm
		Added mirror camera management on MXP/S/G
		Minor bugs fixed



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Version	Date	Change/additions
3.23.12	Sep, 21st 2018	Configuration
		Managing of RS232 ECU protocols for Solo 2 DL, MXS 1.2, MXG 1.2 (firmware update is required)
		Upgrade of Live Measures feature
		By now channel name supports spacing
		Fixed bug about Protection Keys for protocol measures
		Fixed bug about creation of some math channels
		Minor bugs fixed
3.23.08	Aug, 24th 2018	Configuration
		Upgrade of web update functionality of ECU protocols
		From "Preferences" menu, in "Start RS3 Options" panel, it is now possible to inhibit ECU protocols update. Useful when we have to test some beta versions protocols
		From "Preferences" menu, "Advanced" item and "View ECU Protocols Updates History" it is now possible to view the release history of the ECU protocols updates
		Upgrade of Live Measure interface, as shown in the attached image
		Minor bugs fixed
3.23.01	Jul, 20th 2018	Configuration
		Management of MXm
2 22 60	1.1.1.7th 2010	Confirmation
3.22.00	Jul, 17th 2018	Configuration
		 Management of MXG 1.2 Introduced the possibility to manage icons in MXS 1.2 and MXG 1.2
		 Bug fix, while exporting/importing configurations among PCs with different RS3 install paths, the imported configuration could result 'corrupted'
		Bug fix, RS3 is back working on Windows XP
		Minor fixes
3.21.00	Jul, 5th 2018	Configuration
		Managed new device: MXG 1.2
		New devices can manage icons

New devices can manage icons



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Nersion Date Change/additions 3.20.00 Jun, 22nd 2018 Configuration

Managed new devices: MXS 1.2 and MXS 1.2 Strada

3.19.01 Jun, 7th 2018

Configuration

- Added for Solo 2 DL device the possibility of enabling CAN bus 120 Ohm resistor
- Fixed bug about crash when loading ECU protocols in configuration for Solo 2
- Fixed bug about protocols web updating
- Fixed bug about user tracks management
- Status variables:
 - Fixed bug about enabling data memorization as logic channel
 - Fixed bug about enabling/disabling status variable
 - Fixed bug about 'Save As' feature that did not save status variables

Analisys

Fixed a couple of crashes in plot routines

Upgrade/Bug Fix:

Manufacturer	Model	Compatib.	Description
LINK	CAN_BUS_BASE_LCC	All	
LINK	CAN_500k_BUS_BASE_LCC	All	

3.19.00	May, 31st 2018	Configuration		
		Can Output configuration for Solo 2 DL		
		Managing of K-Line protocols for Solo 2 DL (requires firmware version 2.22.58)		
		Automatic web-updating of ECU and CAN2 protocols		
	Mar. 104b 2010			
3.18.04	May, 18th 2018	Configuration		
		 Final have the second table of factors and a second state of a factor of the second state. 		

- Fixed bug: transmitting locked features can corrupt device configuration
- Fixed bug about display configuration



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Version 3.18.00	Date Apr, 17th 2018	Change/additions Configuration = Solo 2 DL management = Fixed bug for which on Windows 7 RS3 might fail to start = ECU stream released:				
		Manufacturer	Model	Compatib.	Description	
		ASTON MARTIN	IARTIN DB 11 VANTAGE AII			
		ARCTIC CAT	ZR 6000	All		
		Upgrade/Bug Fix:	:			
		Manufacturer	Model	Compatib.	Description	
		MARELLI	SRA SRAE SRT	All	Fixed oil pressure and fuel pressure	
3.17.03	Apr, 12th 2018	 Configuration Updated display configuration user interface for MXG, MXS, MXS Strada MXG, MXS can now add one dash expansion. Firmware update to version 1.26.28 is needed (sw enclosed) Added Status Variables configurations Tracks: updated and improved filter for user tracks and smart collections Minor bugfix 				
3.16.34	Mar, 6th 2018	Configuration				
		Minor fix to better	r manage devices that c	an show Wi-F	i properties in the device window	
3.16.32	Feb, 26th 2018	Configuration				
		Fixed bugs creating	Fixed bugs creating or importing alarms			
		ECU stream relea	sed:			
		Manufacturer	Model	Compatib.	Description	
		HONDA	CIVIC_TYPE_R_FK2	All		
		Upgrade/Bug Fix:	:			
		Manufacturer	Model	Compatib.	Description	
		LIFE	MYGALE_F4	All		



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Race Studio 3 Release history Page 15 Version Change/additions Date Jan, 23rd 2018 3.16.31 Configuration Fixed crash while connecting SmartyCam HD Fixed issue for which, at the startup, RS3 could be launching the RS2Analysis software 3.16.30 Jan, 22th 2018 Configuration Added support for Solo 2 (live measures, data downloading, logo management) 3.16.28 Jan, 12th 2018 Configuration Improved support for TQM Files It is now possible to set ECU channel display precision Fixed bug for which temperatures (only in F) showed a 25 F offset in CAN output Fixed bug for which alarms import could generate inconsistencies in configuration (i.e. importing 5 LED alarms cfg on a 4 LED device) Fixed minor bug for which, in MXL2 display cfg, a change in rpm/speed channels could not generate a refresh in display page Fixed MXS Strada display pages that used to show a min rpm value of 1000 instead of 0 **Firmware included** MX Series and EVO Series ver. 1.26.25 ECU stream released: Manufacturer Model Compatib. Description HONDA CAN CBR 2017 All