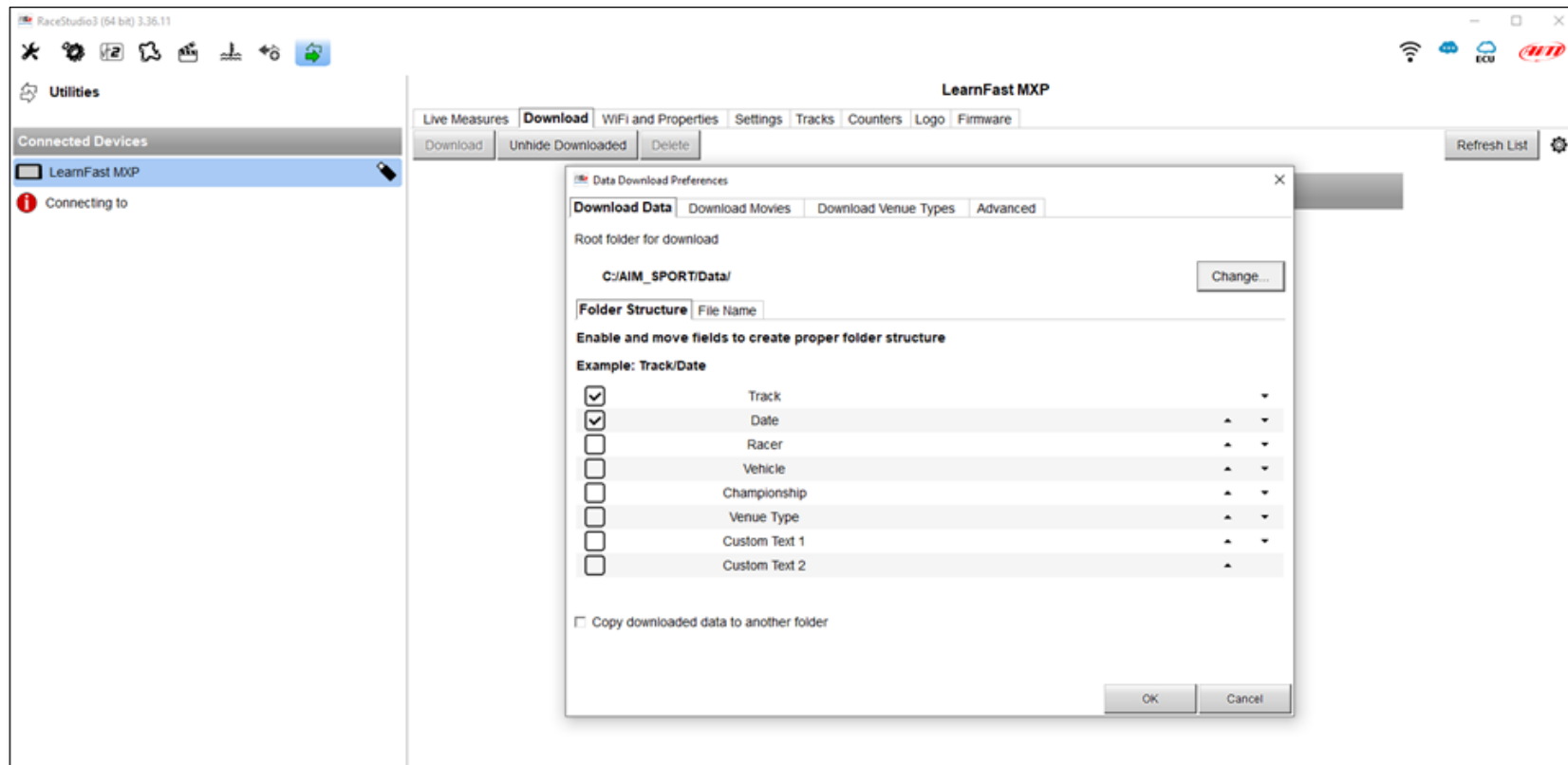


Getting Your AiM Sports Data

From Logger to Analysis



Host:

Roger Caddell

AiM Sports - National Training Manager



aimsports.com

Tuesday July 6th, 2021

LearnFast™

LearnFast™
If You Have Questions

Roger Caddell

roger@aimsports.com



RS3 RACESTUDIO



Roger Caddell

AiM Sports National Training Manager

LearnFast™

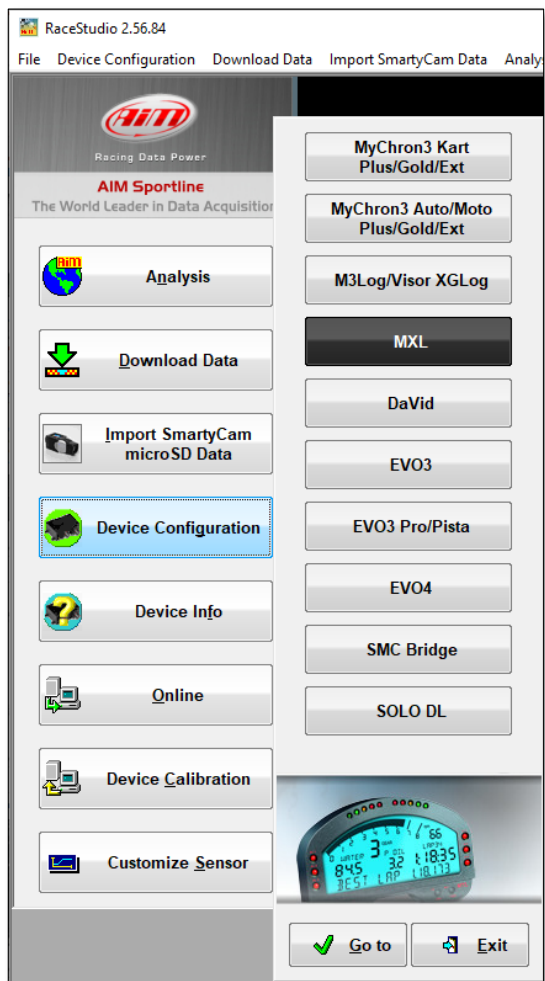


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We Have Answers!
LearnFast™

AiM Hardware => AiM Software

Race Studio 2 Based Hardware



What Software Do I Use With My AiM Hardware?

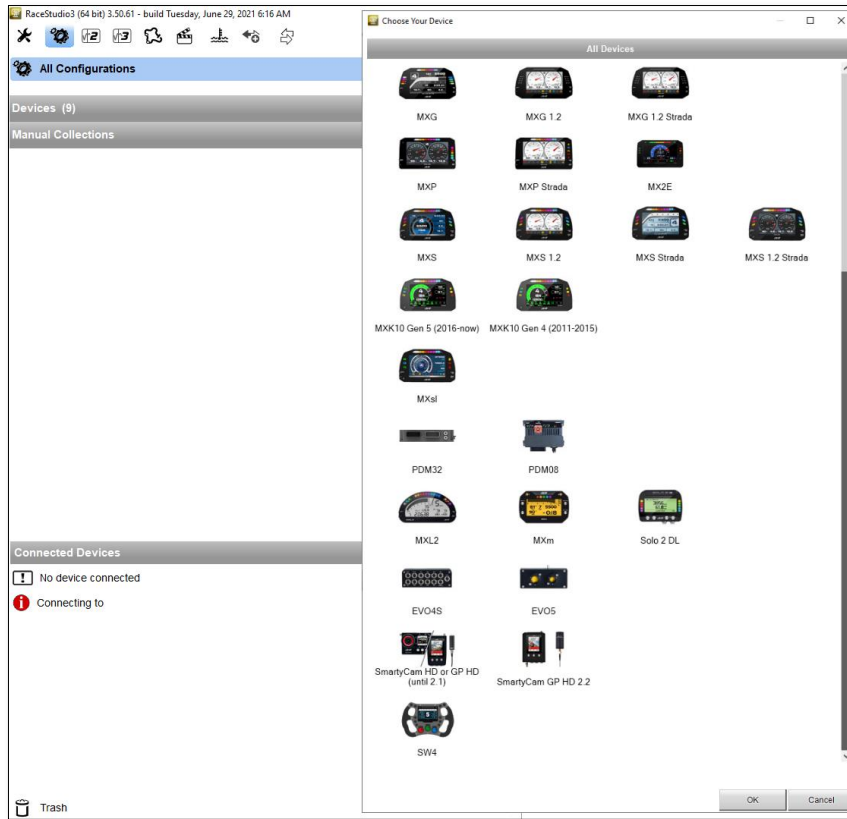
This List of Hardware Uses Race Studio 2 (RS2) to Configure, Calibrate, Download, and Analyze

Most Common Are:

- MXL (Pista, Pro, Pro05, and Strada)
- EVO3 and EVO4
- Solo and Solo DL
- MyChron3
- XG Log
- MyChron 3 and 4 Karting Products

AiM Hardware => AiM Software

Race Studio 3 Based Hardware



What Software Do I Use With My AiM Hardware?

This List of Hardware Uses Race Studio 3 (RS3) to Configure, Calibrate and Download

Most Common Are:

- Solo2 and Solo2 DL
- MXM
- MXL2
- MXG/MXG1.2
- MXS/MXS1.2
- EVO4S and EVO5
- MXP
- SmartyCamHD
- PDM08 and PDM32

AiM Data – Logger To Analysis

Race Studio 3 Based Hardware

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AiM Hardware => AiM Software

Connecting to Computer



- AiM Sports Software is Designed for Windows Operating System
 - Apple Computers Can Be Used if Windows Loaded and Used Via Parallels or Boot Camp
- PC Connection Can Be: USB, WiFi Access Point (AP) or WiFi Local Area Network (WLAN)

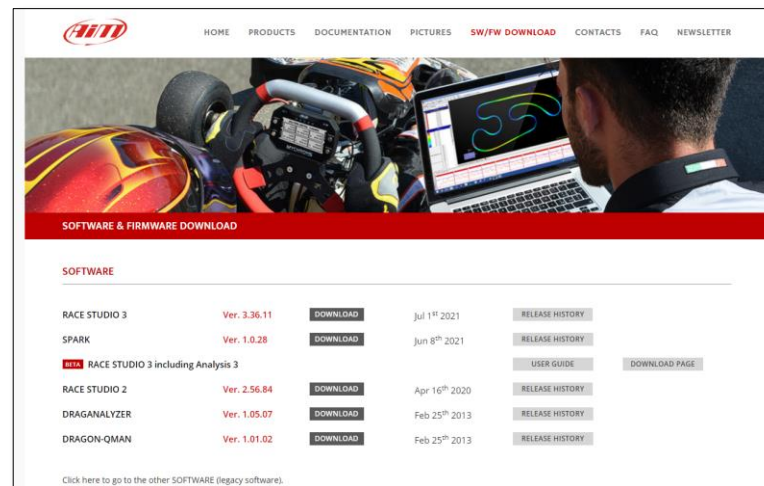
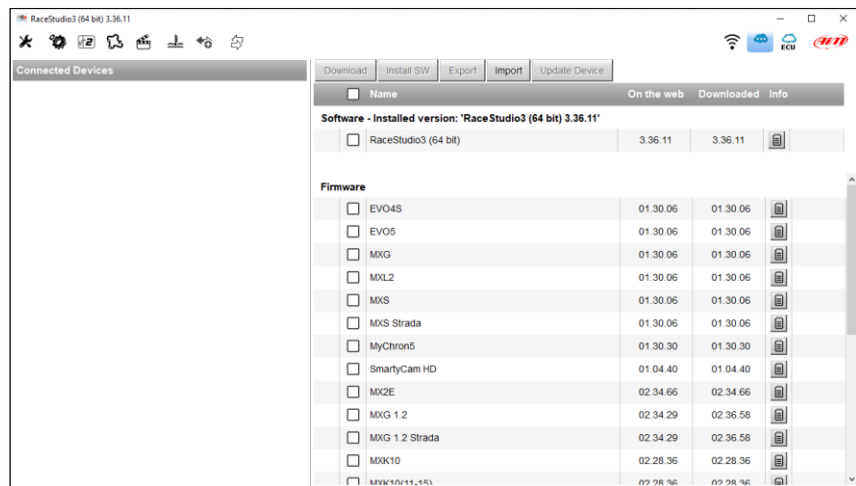


AiM Hardware => AiM Software



Race Studio Software Updates

- All AiM Sports Software is Available From www.aimsports.com
- Race Studio 2 is Available by Itself, RS2 is Also Automatically Updated when You Update Race Studio 3
- Your Downloaded Data and Your Stored Configurations are Not Deleted or Changed When You Update Race Studio Software
- If You Un-Install Race Studio, Your Data Files Remain



aimsports.com

AiM Data – Logger To Analysis

Race Studio Software Updates

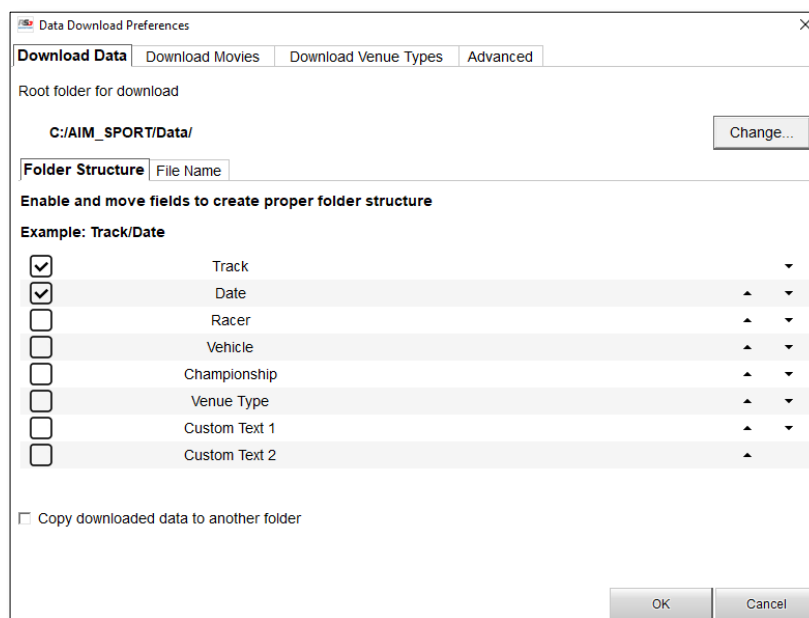
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Downloading Data - AiM Software



Race Studio 3

- We Will Go Live into RS3 and Demo Setting Up and Downloading Data
- We Have a Full Webinar with Deeper Details at:
 - Race Studio 3 Data Download Options - Live Webinar - 3/31/2020
<https://youtu.be/QJ28ZIObLhs>

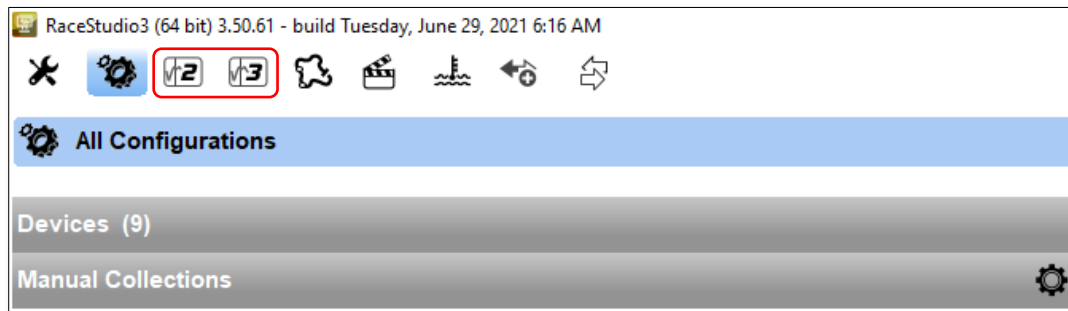
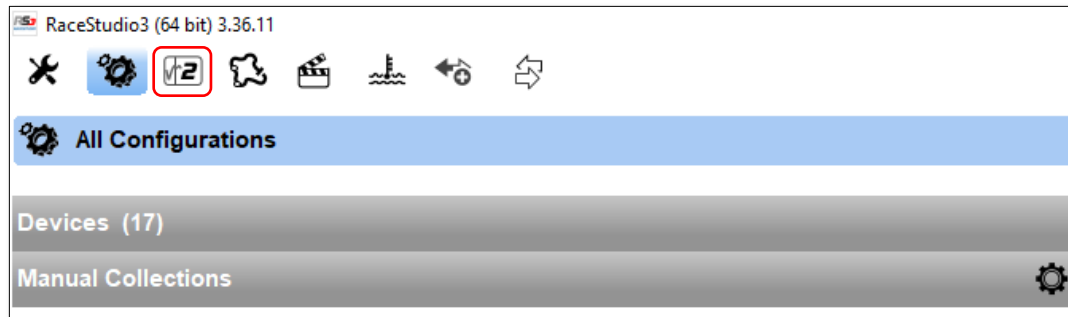


Analyzing Data - AiM Software

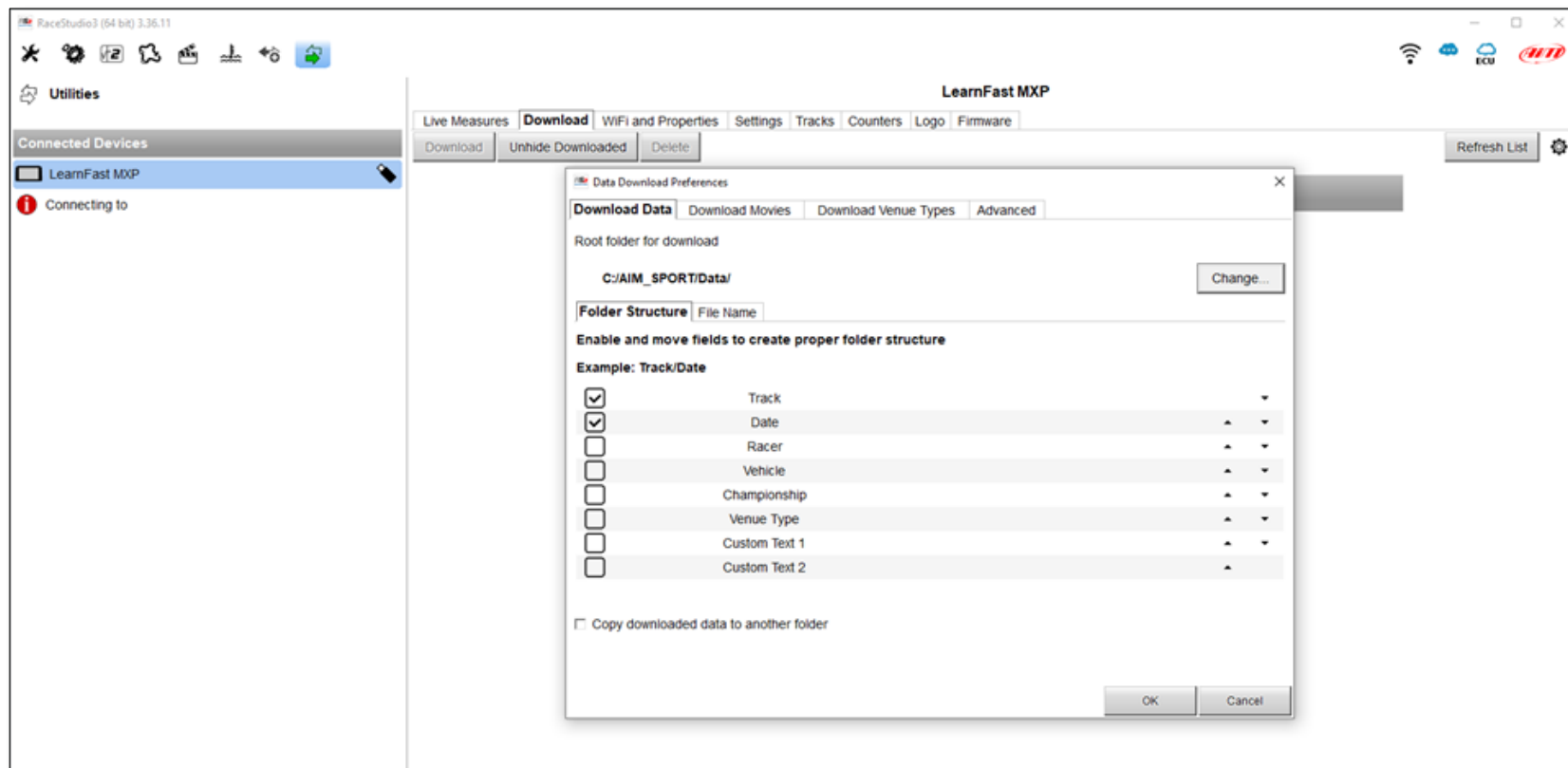


Race Studio 2 or Race Studio 3??

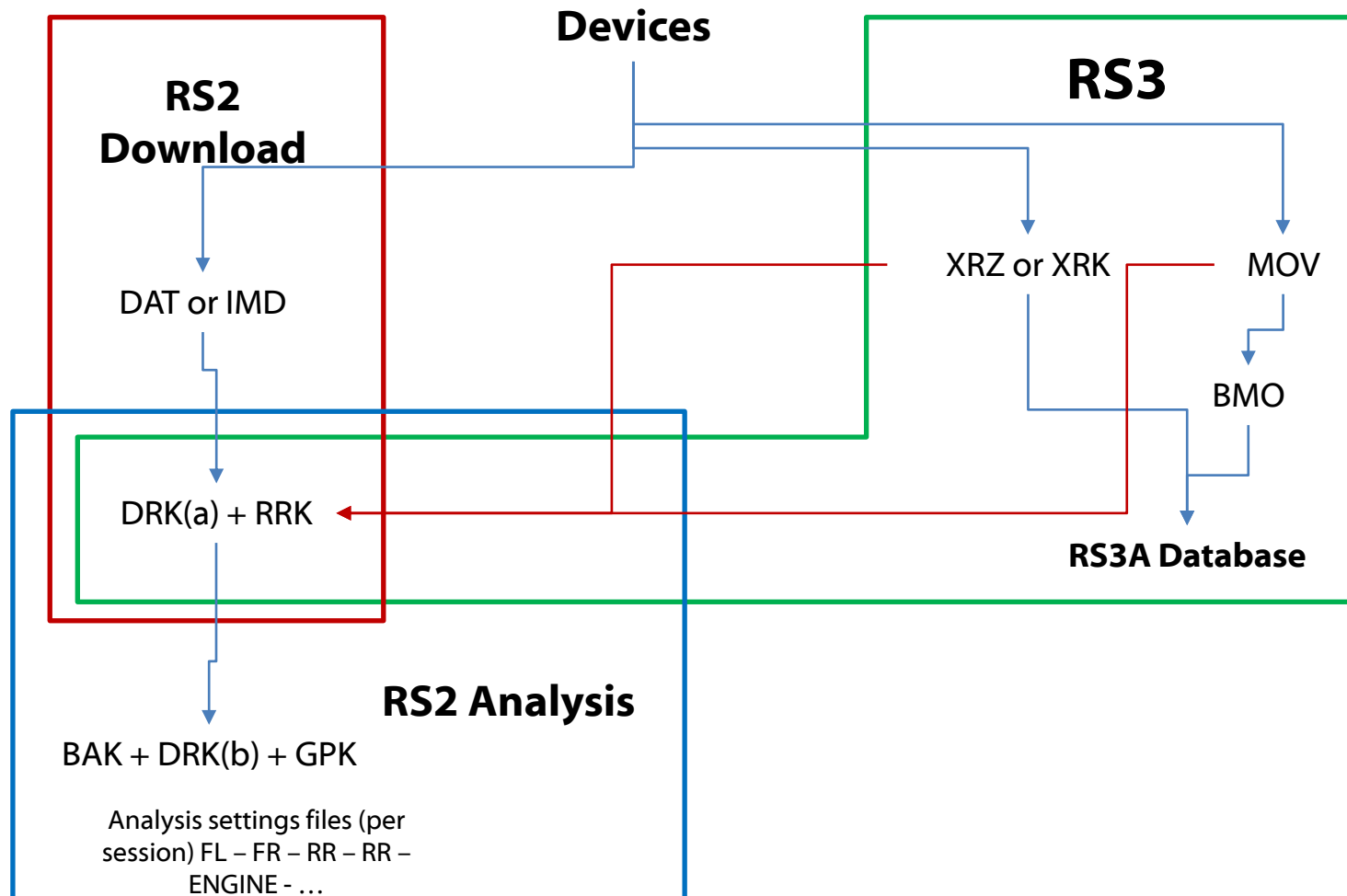
- Currently All Downloaded Data Can Be Analyzed in Race Studio 2 Analysis
- AiM Sports Does Have a RS3 Beta Software with RS3 Analysis Available
- After Downloading Your Data, Click on the '2' or '3' Icons to Open Analysis
- We Have a Full Series of RS3 Analysis Webinars on Our YouTube Page



Live Race Studio Demonstration



File Types - Download





Race Studio File Types

DAT + IMD	Created by RS2 Downloader. Binary dump of device memory (EVO3, EVO4, MyChron3, MyChron4, MXL, ...).
XRZ	Copied from device by RS3. Most of our devices feature enough power to compress files ('z' is, somehow, for 'zipped'). This means lower transfer time. One XRZ file contains one XRK file.
XRK	Copied from device by RS3 or created by RS3. File generated by the device (MXP, MXG, MXL2, EVO5, MyChron5, ...) with logged data.
MOV	Copied from device (this takes time) or from SD by RS3, or from SD by users. Movie file generated by the AiM SmartyCam(s), according to MOV specifications.
BMO	Created by RS3. Values for metadata taken from MOV (used by RS3 Movies... will very likely disappear).
DRK(a)	Created by RS2 Downloader or by RS3. Values for the only sampled channels during the session(s).
RRK	Created by RS2 Downloader or by RS3. GPS information of the session(s).
BAK	Copied by RS2 Analysis. A copy of the original DRK(a) file (backup purpose).
DRK(b)	Modified by RS2 Analysis. Values for sampled channels and computed GPS information.
GPK	Created by RS2 Analysis. Transformed GPS information.

RS3 “Special” Properties

Emiliano

Live Measures

Download

WiFi and Properties

Settings

Tracks

Counters

Logo

Firmware

Refresh

Transmit

Device

Device Name

Emiliano

WiFi

WiFi Power Mode

On

WiFi Mode

Access Point

WiFi Network Name

AiM-SOLO2DL-507621-Emiliano

WiFi Password

Show

Properties

Racer Name

Emiliano

Vehicle Name or Number

Yar12

Championship

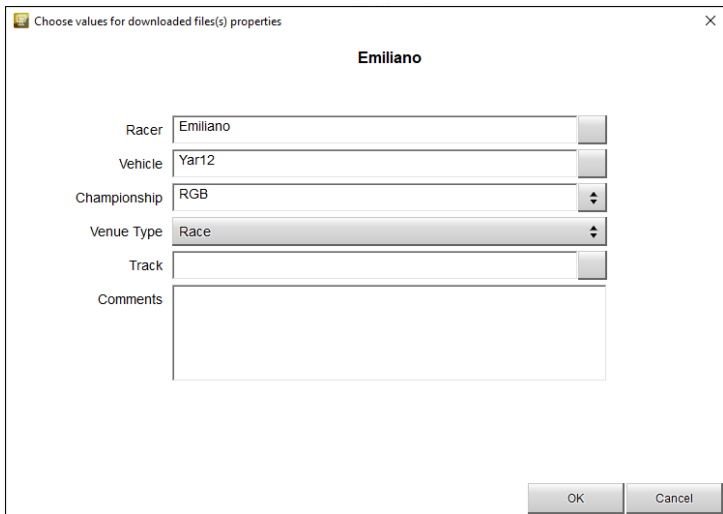
RGB

Venue Type

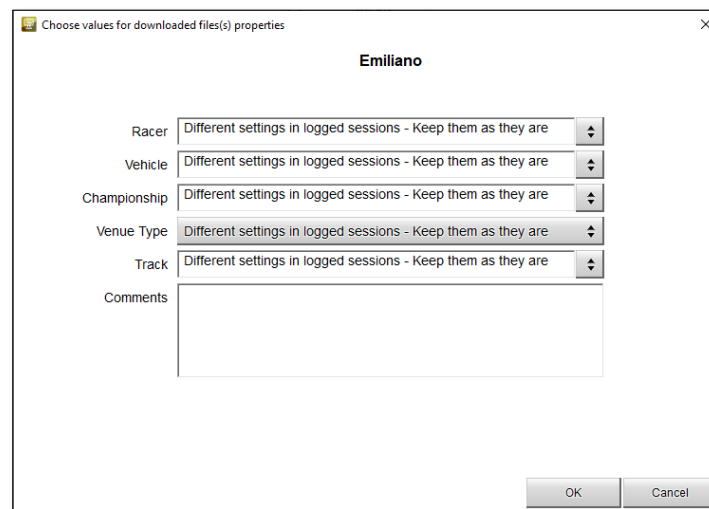
Race

Upon ‘Transmit’, these values will be sent to the devices. The devices will store them and will copy these values into every XRK/XRZ file generated.

RS3 Download Properties



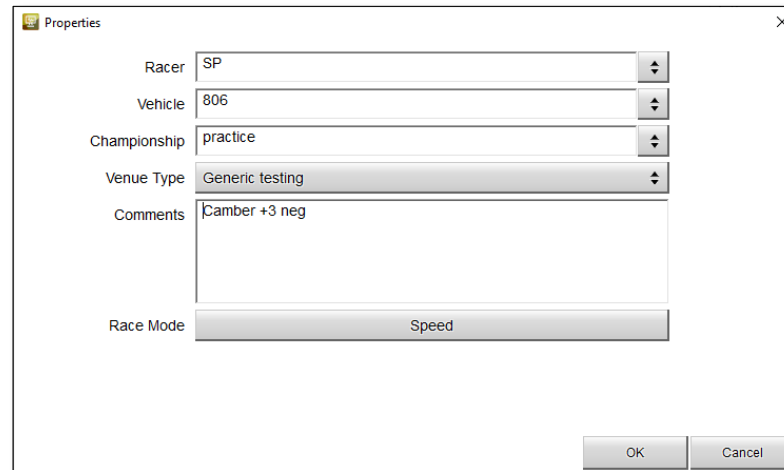
In case I select sessions with the same properties, the values I sent are shown.



In case I select sessions with different properties, I can choose to keep the logged values, or I can change them into something else.

Any change made here will not be sent back into the devices.

RS3 Analysis Properties



The screenshot shows a 'Properties' dialog box with the following fields and values:

Field	Value
Racer	SP
Vehicle	806
Championship	practice
Venue Type	Generic testing
Comments	Camber +3 neg
Race Mode	Speed

At the bottom right of the dialog are 'OK' and 'Cancel' buttons.

Changes I make here take effect only into RS3 Analysis and into XRK files on disk.

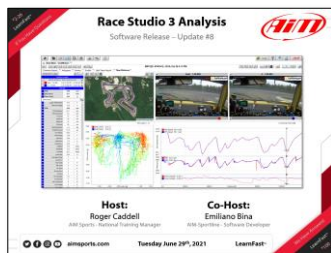
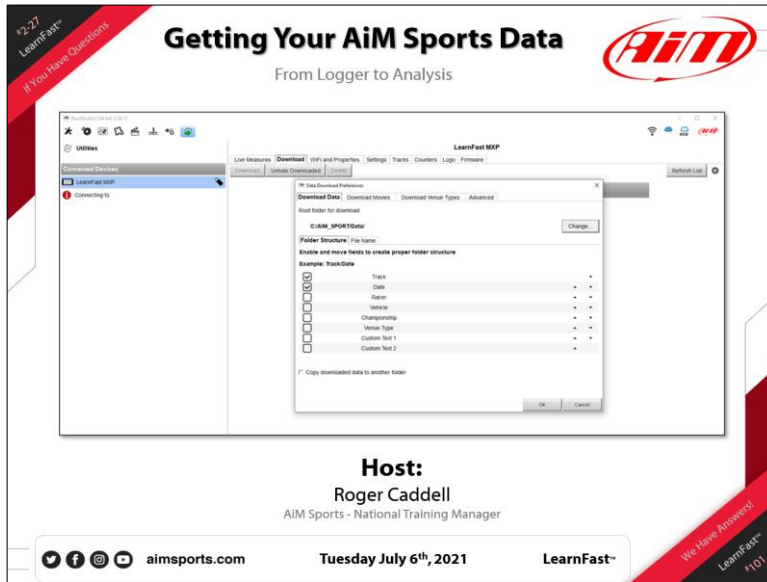
No change will be done back into the device.

LearnFast™ E-Training Videos



Currently **166** Videos and Growing

YouTube www.youtube.com/aimdata



- All New 2020 - 21 Webinar Videos
 - Software Updates with Race Studio 3
 - Pre-Calculated Gear Position Function
 - Configuring WiFi Communication
 - Customizing AiM Device Logos
 - Race Studio 3 Basic Configuration - Part 1
 - Race Studio 3 Basic Configuration - Part 2
 - **I Have Downloaded my Data, Now What - Part 1*
 - **I Have Downloaded my Data, Now What - Part 2*
 - GPS Lap Insert
 - Selection Criteria
 - Data Views
 - Sensor Calibration
 - Measure Units
 - Conditional Alarms
 - Sort Channels
 - Gear Position
 - Test Properties
 - Firmware Update
 - Per Lap Color
 - Solo Configuration
 - Export Tests
 - Transmit Tracks
 - Channel Reports
 - Gps Manager Overview
 - Setting Time
 - New GPS Track
 - Track Mapping
 - Webinars
- * Most Popular and Recommended*

Additional Materials

LearnFast™ E-Training Videos

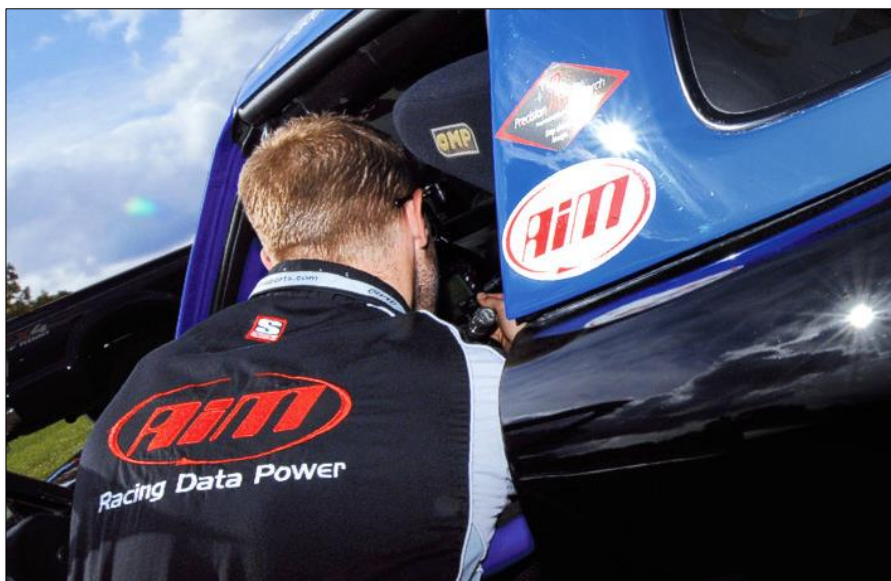
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Customer Support



AiM Sports Technical Support Staff Regularly
Attend Races and Other Events

Look For Us At An Event Near You
Or Call Us At **800.718.9090**



Customer Support

At An Event Near You!

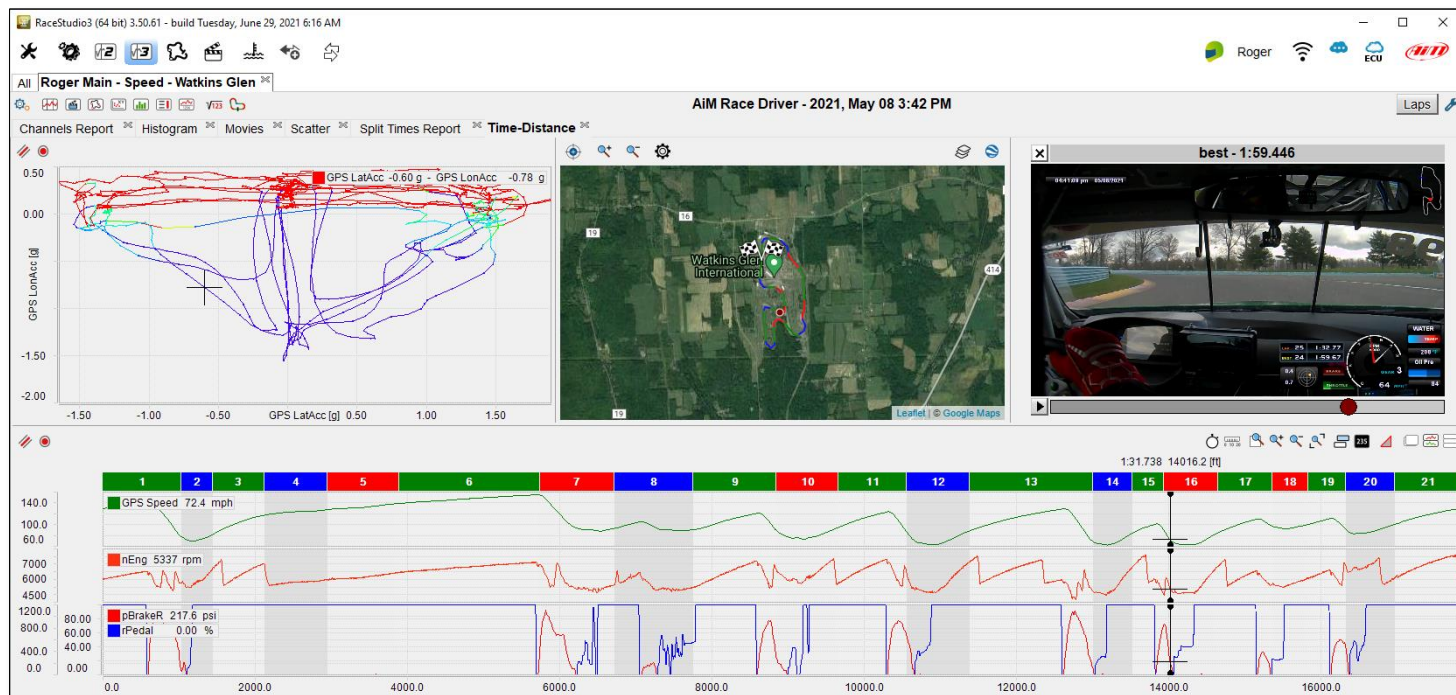


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A Data Analysis Process

Finding and Improving A Drivers Technique



Host:

Roger Caddell

AiM Sports - National Training Manager

Co-Host:

James Colborn

JamesColborn.com

Next Webinar: Tuesday July 13th, 2021 - 10:00am Pac/1:00pm East

Next Webinar Topic

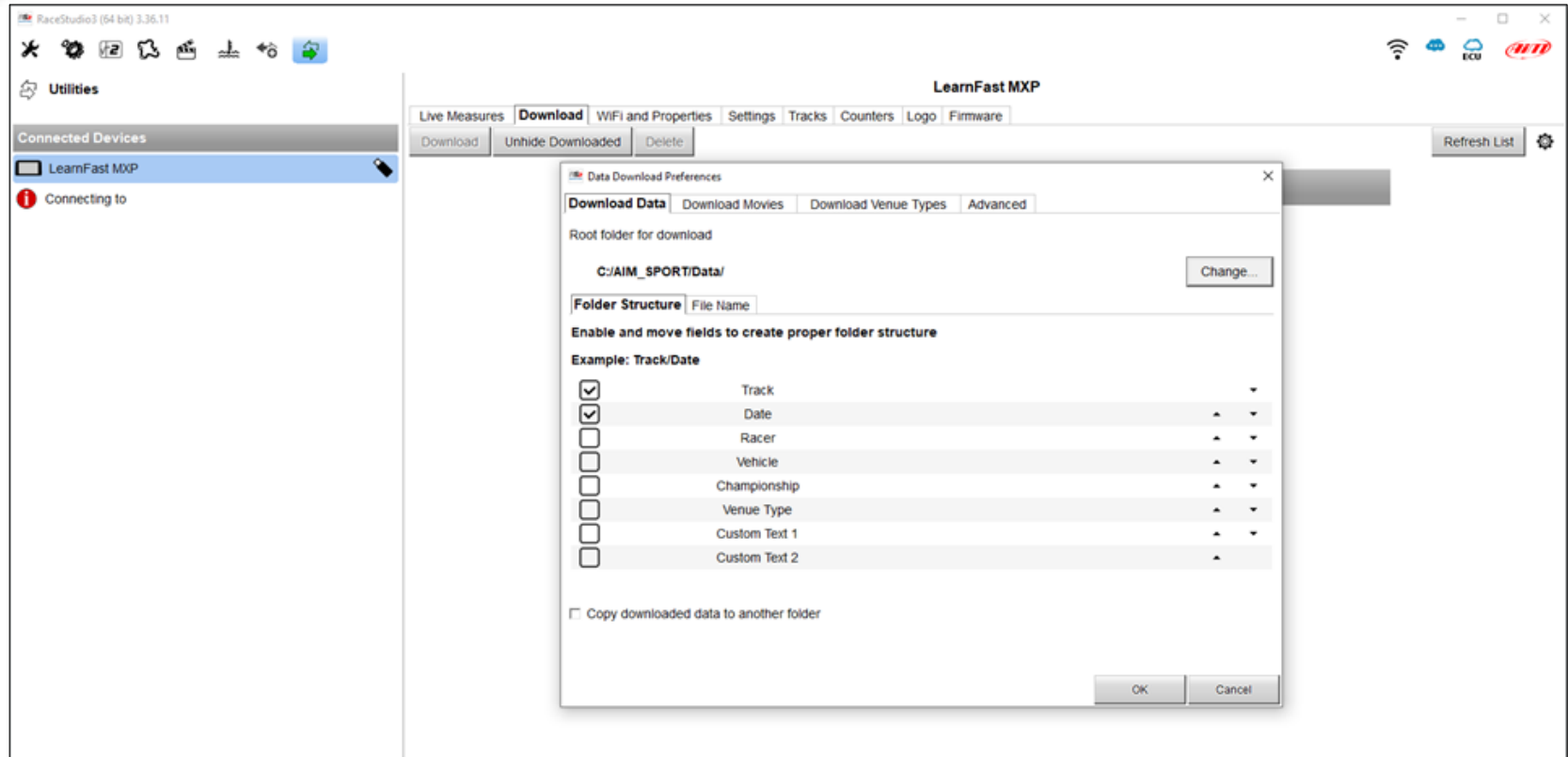
Data from Logger to Analysis

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Contact Information



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aimsports.com

Tuesday July 6th, 2021

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