

All Systems Go!

Properly Preparing for a Big Event



The screenshot shows the AIM Data Guy software interface. On the left, there's a sidebar with 'All Tracks (1081 of 5532)', 'Nations', 'Smart Collections', and 'Manual Collections'. Below that is 'Connected Devices' with 'AIM Racer' listed. The main area shows a list of tracks under 'United States'. Track 2, 'Virginia International R...', is selected. The right panel shows details for 'Virginia International Raceway', including track name, address, contact info, and a map view.

Track Name	Location	Length	Status
VIR Kart Track	Alton, Virginia, United States	2270 ft	Kart Track Paved
Virginia International R...	Alton, Virginia, United States	3.26 mi	Race Track Paved
Virginia International...	Alton, Virginia, United States	4.09 mi	Race Track Paved
Virginia International...	Alton, Virginia, United States	5054 ft	Race Track Paved
Virginia International...	Alton, Virginia, United States	3.25 mi	Race Track Paved
Virginia International...	Alton, Virginia, United States	2.24 mi	Race Track Paved
Virginia International...	Alton, Virginia, United States		

Map labels: VIR North Paddock, VIR Kart Track, Virginia International Raceway, Kaizen Autosport, VIR South Paddock, Dan River.

Coordinates: Latitude 36.5688358° N, Longitude 79.2066718° W

Host:
Roger Caddell
AiM Sports - National Training Manager

Co-Host:
Matt Romanowski
TrailBrake.com



aimsports.com

Tuesday September 26th, 2023

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Co-Host: Matt Romanowski

www.TrailBrake.com

 @TrailBrakeMatt



- Leading Technical and Stocking AiM Sports Dealer
- Seminars, at Track Coaching, Offsite Support, Online Sales, Pro Racing DAG
- Advanced CAN and Sensor Integrations, PDM Setup/Config, and More!
- Many Time AiM Sports Webinar Co-Host!



www.TrailBrake.com

Matt Romanowski



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Getting Ready

Race Studio 3 and Dash/Logger

Team

- Download Cables (MXL Pista, USB Mini, USB C)
- Memory Cards (SD or mSD)
 - NO ADAPTERS!
- Chargers? (SmartyCam3 and/or Solo/Solo2)
- Computer

RaceStudio 3

- Software Updated
- Tracks Updated
- Setup Download Path and Auto File Naming

Dash/Logger

- Proper Track Loaded
- GPS Started, Satellite Count, Accuracy, Track Found
- Sensors Reading
 - Throttle, Steering, and other Sensors Calibrated Correctly
 - General Sensor Check
- Display Pages Correct and on the One you Want
- Predictive Reference Lap on RS3 devices?

All Systems Go!

Race Studio 3 and Dash/Logger



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Getting the System Ready

Race Studio 3



Update Race Studio3

- Look for the Cloud Icon and the Track Icon to have Down Arrows



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Race Studio 3



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Getting the System Ready

Dash/Logger



Load Only the Correct Track

- RS2 Systems - Load the Track in the Dash and Camera
- RS3 Systems with SCHD - Load the Track in the Dash and Camera
- RS3 Systems with SC3 – Load the Track in Only the Dash

Solo 2 DL ID 6513163 (WiFi)

Live Measures	Download	WiFi and Properties	Settings	Tracks	Predictive Reference Lap	Counters	Logo	Firmware		
Refresh	Delete	Delete All							Save All	Load Saved
☐ ☐ 1  Virginia International Raceway Alton, Virginia, United States 3.26 mi Race Track Paved Vir Full VA										

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Dash/Logger



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Getting the System Ready

Dash/Logger

Check Live Measures Master Area, GPS Channels, ECU, and Expansions

Live Measures

Download

WiFi and Properties

Settings

Tracks

Predictive Reference Lap

Counters

Logo

Firmware

123

mV

Master					
InlineAcc	-0.98 g	PitchRate	0.1 deg/s	Internal Battery	3.8 V
LateralAcc	-0.04 g	YawRate	0.0 deg/s	MagnetomX	2047.0 mG
VerticalAcc	0.18 g	RPM	0 rpm	MagnetomY	-2048.0 mG
RollRate	-0.0 deg/s	External Voltage	12.9 V	MagnetomZ	2048.0 mG
Calculated channels					
Predictive Time	--	Best Run Diff	--		
GPS channels					
GPS - Altitude	117.29 ft	GPS - Pos Accuracy	4.46 ft	GPS - Speed	0 mph
GPS - Latitude	42.933441 N deg	GPS - Sat Number	10	iGPS	GPS Good
GPS - Longitude	71.438566 W deg	GPS - Spd Accuracy	0.4 mph		
Lap channels					
Lap - Lap Number	0	Lap - Split Number	0	Lap Time	0:00.000
Lap - Run Number	1	Lap - Split Time	0:00.950		
ACC - Serial 100252					
TPS	14 %	Steering	-172 deg		

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Dash/Logger

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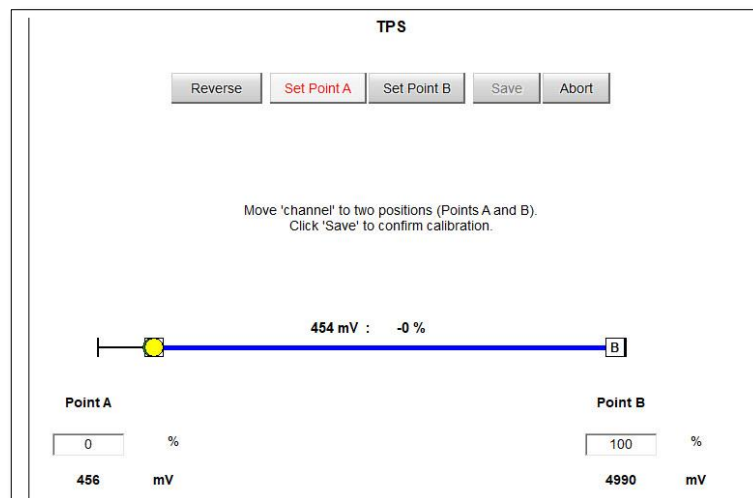
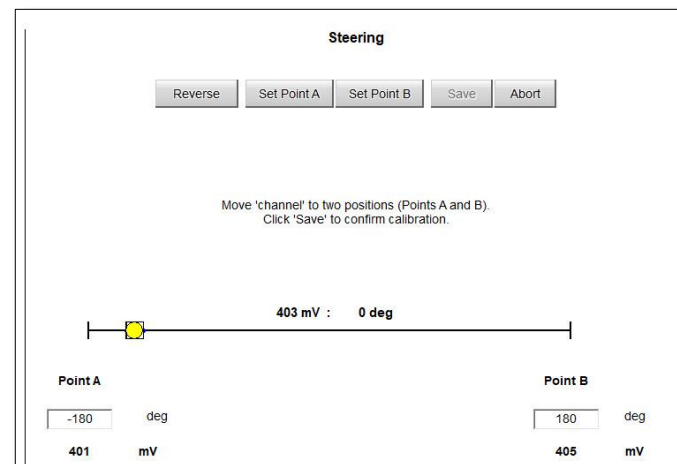


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Sensor Calibration

Zero Center Calibration

- Calibration Does Not Have to be Full Scale
- Choose Easy to Use Angles (90, 180, 360, etc)
- Steering Wheel vs. Spindle Angle



Two Position

- Usually 0 and 100%, but can be any number

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Sensor Calibration

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Sensor Calibration

Sensor Autocalibration

- Zero the Accelerometers and Gyros
- Shock Sensors?
- Is Vehicle Level?

Solo 2 DL ID 6513163 (WiFi)

Live Measures Download WiFi and Properties Settings Tracks Predictive Reference Lap Counters Logo Firmware

Name	Function	Current Val...	New Value
InlineAcc	Inline Acceleration	0.00 g	Default
LateralAcc	Lateral Acceleration	0.00 g	Default
VerticalAcc	Vertical Acceleration	-1.00 g	Default
RollRate	Roll Rate	0.0 deg/s	Default
PitchRate	Pitch Rate	-0.0 deg/s	Default
YawRate	Yaw Rate	-0.1 deg/s	Default Set

All Systems Go!

Sensor Calibration

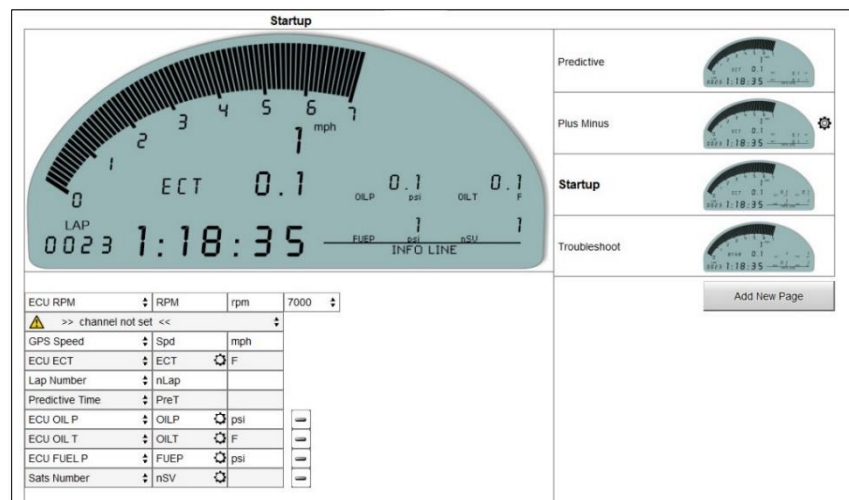
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Getting the System Ready

Display Pages



If you have Multiple Pages set up in your Configuration, Remember to Select the Correct Page.



All Systems Go!

Display Pages

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Getting the System Ready

SmartyCam Tips



SmartyCam

- Date/Time on the Video!
- Driver Name / Class
- Lap Number and Time
- Best Lap and Time
- TPS, Brake, RPM, G Forces, Speed
- Predictive Time (SC3)?
- Sponsor Logo?



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SmartyCam Tips



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Use Your Data!

All the data and video is useless if you don't review them before you go back on track!

All Systems Go!

Use Your Data!

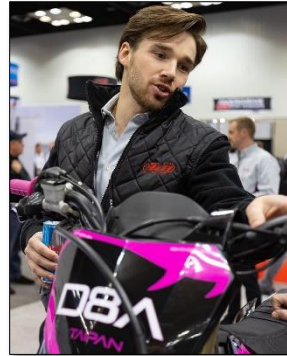
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Know How to Get Help!

AiM is Everywhere!



For This Weeks SCCA Runoffs:

Find Cory, Jacob, and the AiM
Sprinter in Vendor Row, and the AiM
Grom Moving Around the VIR Pits

Call the AiM Techs at:

800.718.9090



All Systems Go!

Know How to Get Help!



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LearnFast™ E-Training Videos



Currently **229** Videos and Growing

YouTube www.youtube.com/aimdata

All Systems Go!
Properly Preparing for a Big Event

Host: Roger Caddell
AIM Sports - National Training Manager

Co-Host: Matt Romanowski
TrailBrake.com

aimsports.com Tuesday September 26th, 2023 LearnFast™

- All New 2020 - 23 Live 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
- Data Views
- Measure Units
- Sort Channels
- Test Properties
- Per Lap Color
- Export Tests
- Channel Reports
- Setting Time
- Track Mapping
- Selection Criteria
- Sensor Calibration
- Conditional Alarms
- Gear Position
- Firmware Update
- Solo Configuration
- Transmit Tracks
- Gps Manager Overview
- New GPS Track
- Webinars

* *Most Popular and Recommended*

Simplify Your Data Analysis
The Goal is Effortless Yet Powerful

Host: Roger Caddell
AIM Sports - National Training Manager

Co-Host: Emiliano Bina
AIM Sports - National Training Manager

aimsports.com Tuesday August 28th, 2023 LearnFast™

Webinar Series
Bringing Data Support and Training to You

Data Download Options
In Race Studio 3

March 31st, 2020

www.aimsports.com 1.800.718.9090

Additional Materials

LearnFast™ E-Training Videos

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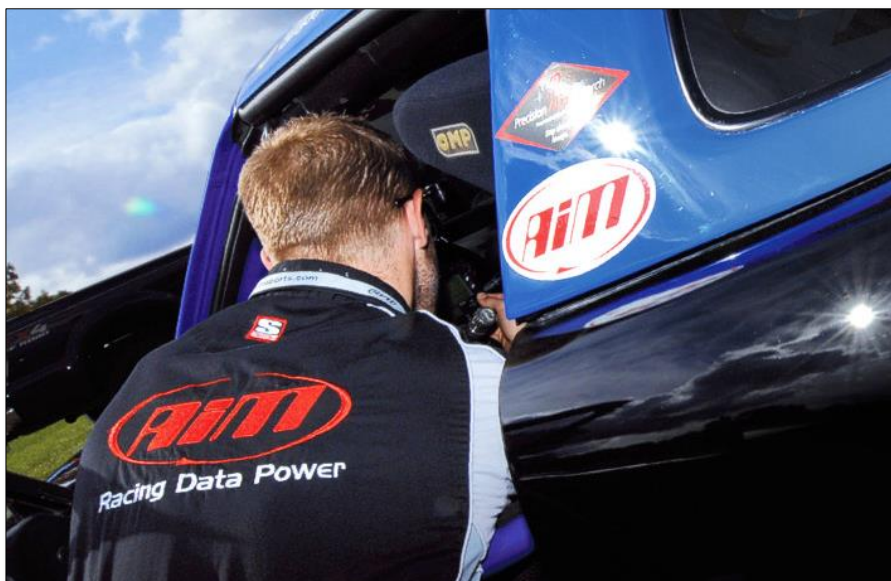
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Customer Support



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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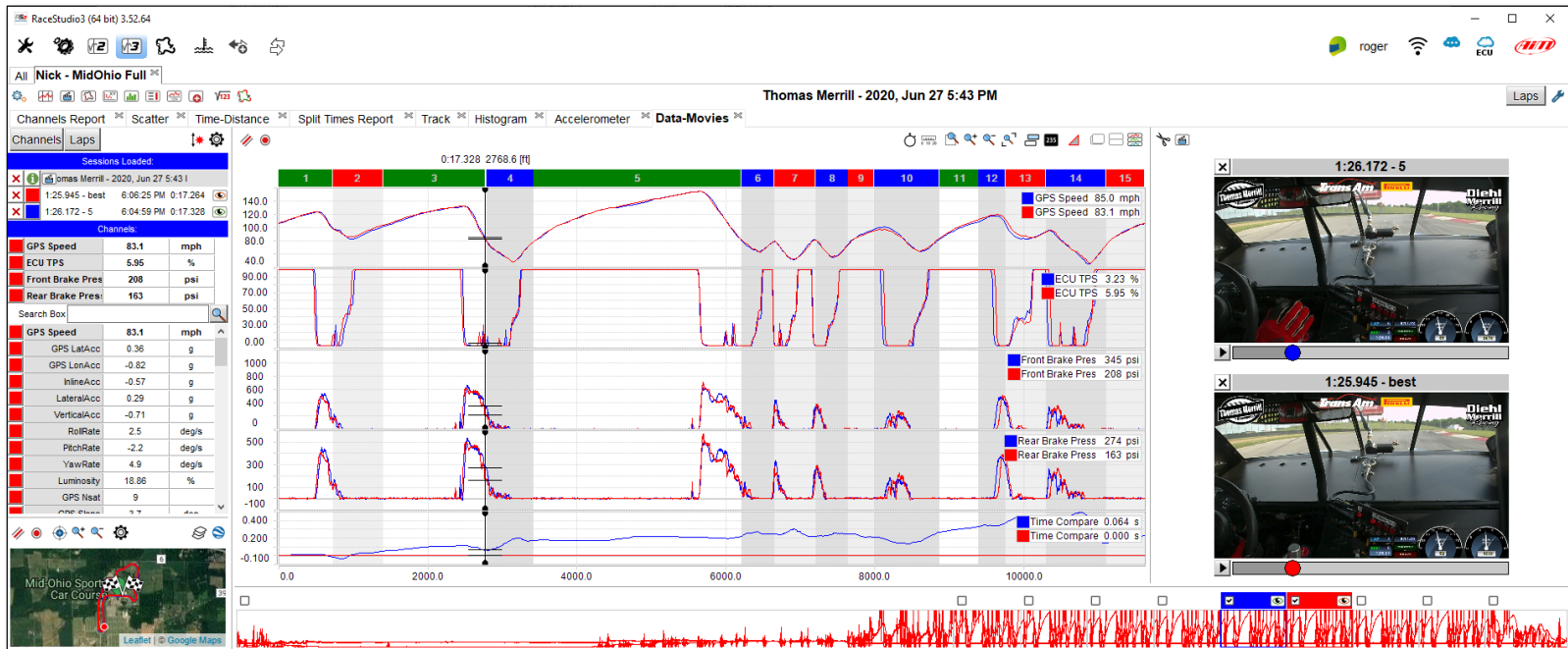


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#4-10
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If You Have Questions

Next AiM Sports Webinar

Oct 31st, 2023 – Last Tuesday of Each Month



Host:

Roger Caddell

AiM Sports - National Training Manager

Co-Host:

TBD

TBD

Next Webinar: Tuesday October 31st, 2023 - 10:00am Pac/1:00pm East

Next Webinar

Last Tuesday of Each Month

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We Have Answers!
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Contact Information



The screenshot shows the AiM Data Guy software interface. On the left, there's a sidebar with 'All Tracks (1081 of 5532)', 'Nations', 'Smart Collections', 'Manual Collections', and 'Connected Devices' (showing 'AIM Racer'). The main area displays a list of tracks under the 'United States' filter. Track 2, 'Virginia International R...', is selected. The right panel shows details for 'Virginia International Raceway', including its location, contact info, and a map view.

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Virginia International...	Alton, Virginia, United States	2.24 mi	Race Track Paved
Virginia International...	Alton, Virginia, United States		

Virginia International Raceway Details:
 Track Name on Device: Vir Full
 1245 Pine Tree Road - 24520 - Alton
 Virginia, United States
 +1 434 822 7700
<https://virnow.com/>
 Time Zone: (UTC-05:00) Eastern Time (US, Canada) (EDT)
 Local: 2023, Sep 25 2:28 AM (DST currently ON)

Map View:
 VIR North Paddock, VIR Kart Track, Virginia International Raceway, Kaizen Autosport, VIR South Paddock, Dan River.

Coordinates:
 Start/Finish: Latitude 36.5688358° N, Longitude 79.2066718° W

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Tuesday September 26th, 2023

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