



SW4 – AiM Steering Wheel

One of the Most Versatile Steering Wheels Available!



Host:

Roger Caddell

AiM Sports - National Training Manager

Co-Host:

Robbie Yeoman

AiM Sports - Technician

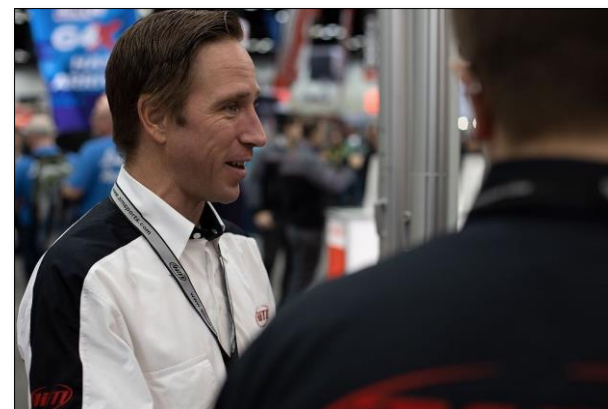


Robbie Yeoman

AiM Sports Technician
ryeoman@aimsports.com



- AiM Sports Technician Since 2008
- Repair Technician with a Passion for Racing and Electronics
- Creator of Custom Wiring for Data Systems and Chassis
- Many-time Webinar Co-Host



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Robbie Yeoman

AiM Sports Technician

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SW4 Steering Wheels

- 4 Different Sizes – Choose Yours!
- One of the Most Versatile Steering Wheels in the Market
- Individually Configurable Pushbuttons & Rotary Switches



SW4 270



SW4 280



SW4 320



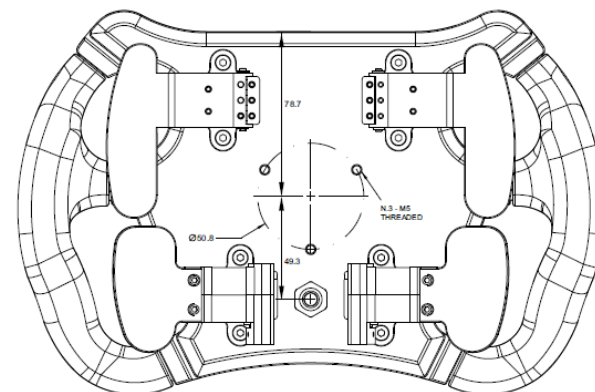
SW4 350

SW4 – AiM Steering Wheel

4 Different Sizes

SW4 Steering Wheel Features

- Standalone Design
- TFT Display
- 3 CAN bus
- 4BG Onboard Memory
- With and Without Paddles
- Replaceable Grip Frame
- 3 Rotary Dials
 - Contactless Sensor Technology
- 10 Pushbuttons with RGB
 - Replaceable Buttons

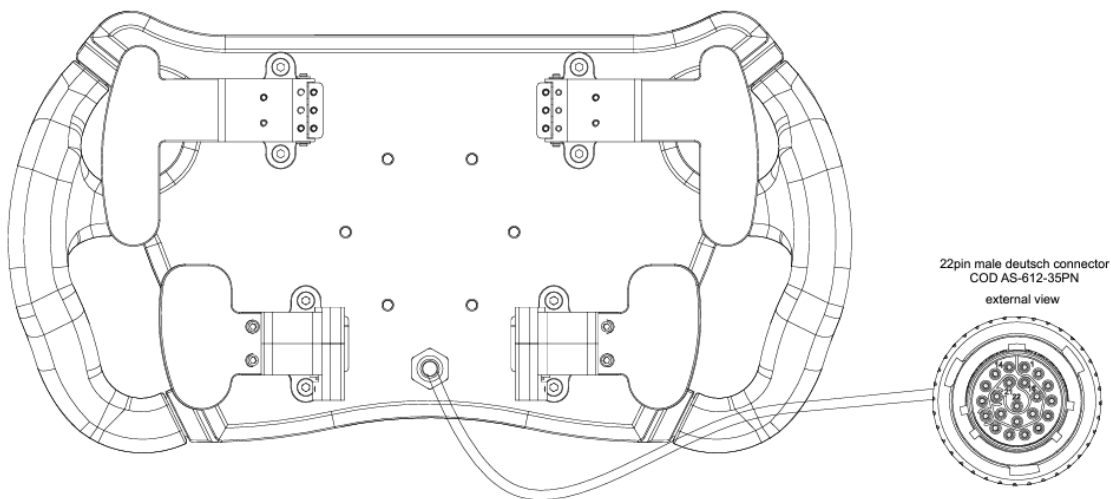


SW4 – AiM Steering Wheel

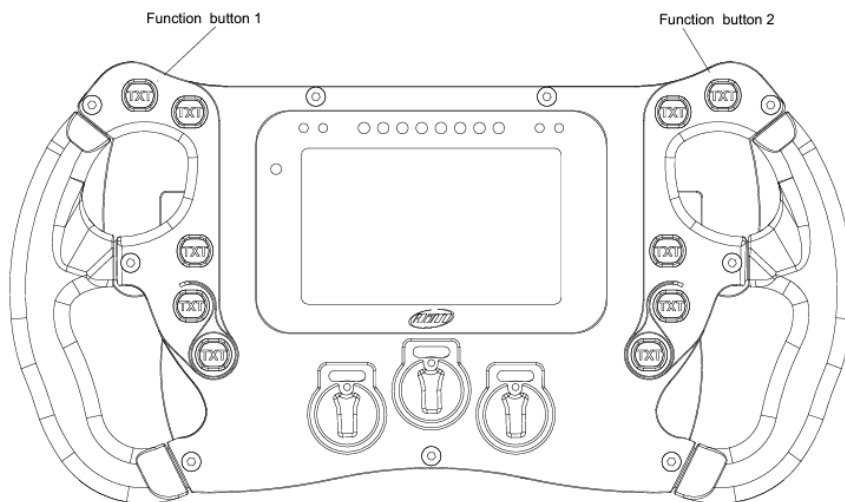
SW4 Steering Wheel Features

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SW4 Steering Wheels



PIN	SIGNAL
1	9-15V Power in
2	CAN ECU+
3	CAN ECU-
4	Paddle sh Left
5	Paddle sh Right
6	Paddle sh COM
7	Function button 2
8	CAN 2+
9	CAN 2-
10	Function button 1
11	USB D+
12	USB D-
13	CAN AiM+
14	GND
15	CAN AiM -
16	RPM
17	NC
18	Function button 2
19	GND
20	Function button 1
21	+Vbext CAN
22	+Vbout CAN



All other push buttons and all rotary switches on CAN BUS

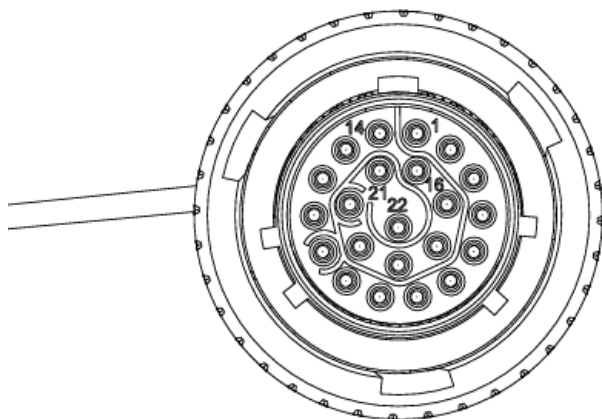
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Pinouts

SW4 Steering Wheels

22pin male deutsch connector
COD AS-612-35PN

external view



PIN	SIGNAL
1	9-15V Power in
2	CAN ECU+
3	CAN ECU-
4	Paddle sh Left
5	Paddle sh Right
6	Paddle sh COM
7	Function button 2
8	CAN 2+
9	CAN 2-
10	Function button 1
11	USB D+
12	USB D-
13	CAN AIM+
14	GND
15	CAN AIM -
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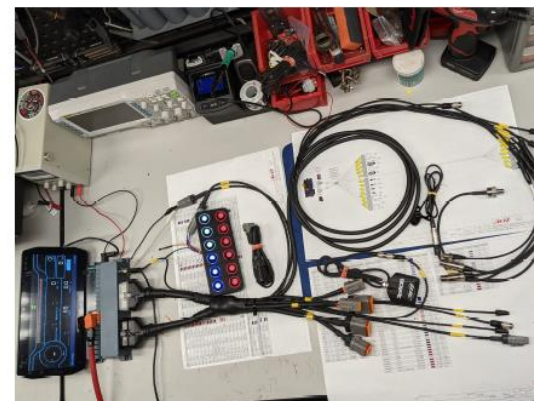
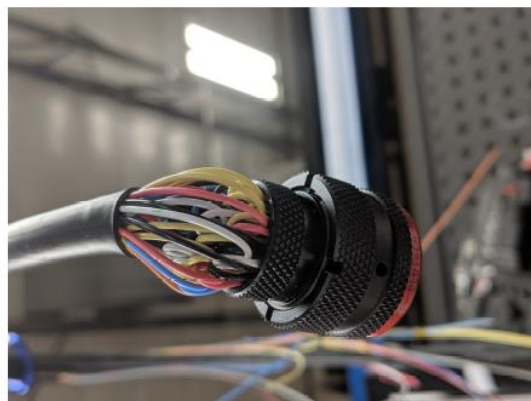
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Pinouts - Detail

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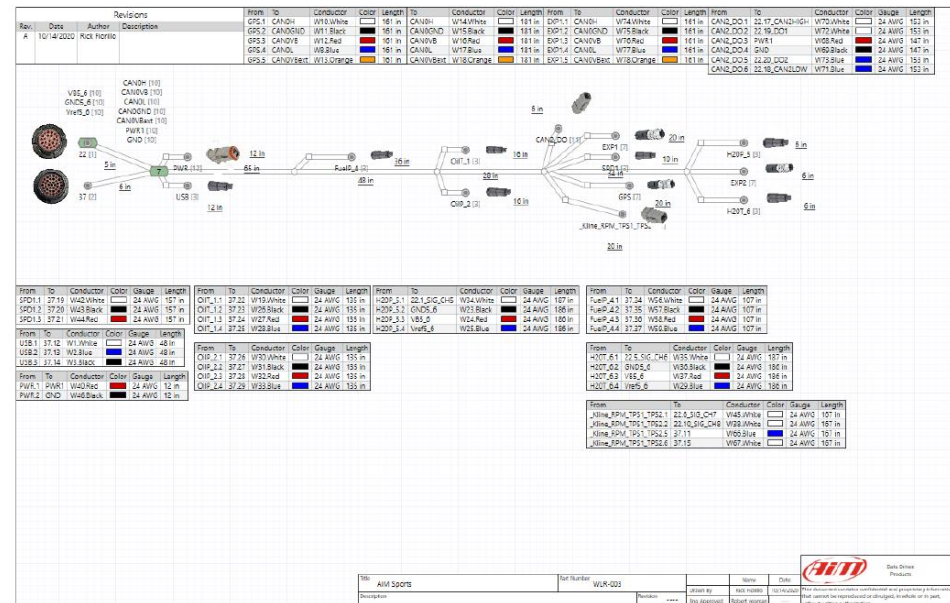
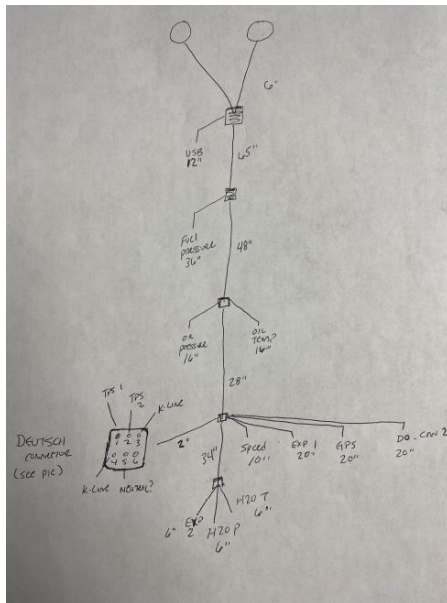
Custom Harness Creation

- From a Napkin to Your Car
- Rugged and Reliable
- No Excessive Wire Bundles
- Fully Documented Designs

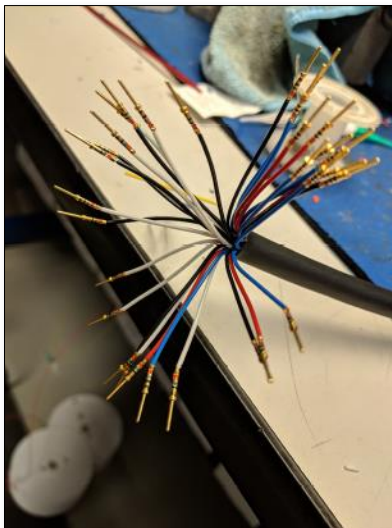


Harness Concept and Design

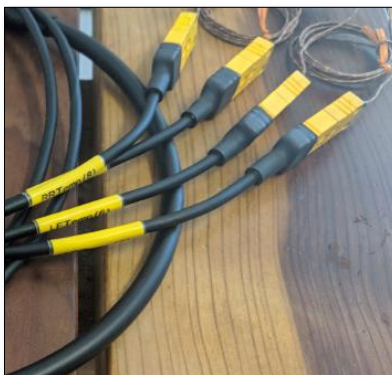
- Wish List and Length
- Sensor List (What are your Goals)
- What are the Lengths
- Approval



Harness Construction



- Quality Materials
- M22759/32-xx
- Concentric Twisting
- Handmade
- Labels
- Sealed



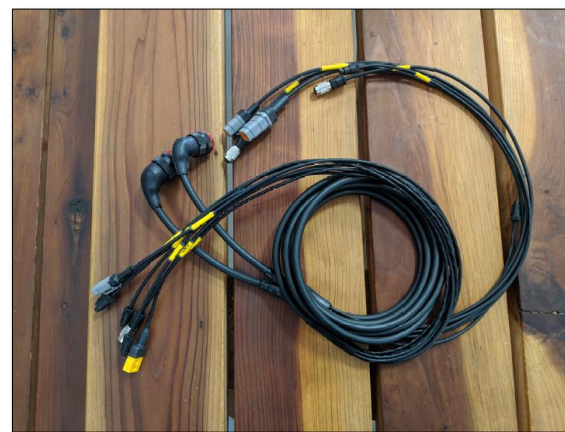
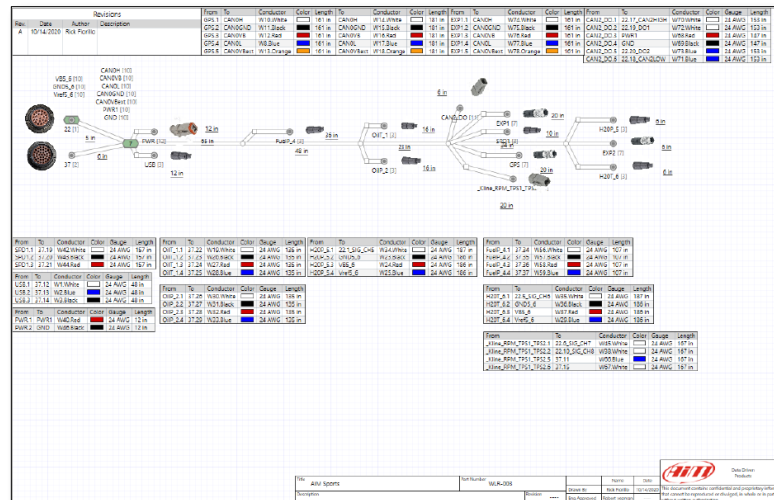
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Harness Construction

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Harness Completion

- Validation and Testing
- Pin to Pin Evaluation
- Sensor/Load Testing
- Base Configuration
- Stored Documents and Configuration (Just in Case)



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Harness Completion

Configuring the SW4

Live Using Race Studio 3



RaceStudio3

Save Save As Close Transmit

Channels Buttons ECU Stream CAN2 Stream CAN Expansions Math Channels Status Variables Parameters **Shift Lights and Alarms** Trigger Commands Icons Manager

☐ Use for predictive time ☒ Use as gear shift lights

Gear	Shift Light 1	2	3	4	5	6	7	8	
All	8600	8800	9000	9200	9400	9600	9800	10000	

☐ Activate Simulation

LED1 LED2 LED3 LED4

1 EXT Left button 1 6 EXT Right button 1

2 Left button 2 7 Right button 2

Left paddleshift Right paddleshift

3 Left button 3 8 Right button 3

4 Left button 4 9 Right button 4

5 Left button 5 10 Right button 5

Left clutch Right clutch

11 RotaryLeft 12 RotaryMiddle 13 RotaryRight

+ Add New Alarm still available alarms: 37

LearnFast™ E-Training Videos



Currently **179** Videos and Growing

YouTube www.youtube.com/aimdata

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aimsports.com Tuesday October 5th, 2021 LearnFast™

- 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*

BEAST
The Top Secret Linear-Pulse Engine

Host:
Roger Caddell
AiM Sports - National Training Manager

Guest:
Jodie Gurns
BEAST - The Top Secret Linear-Pulse Engine

aimsports.com Tuesday September 28th, 2021 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

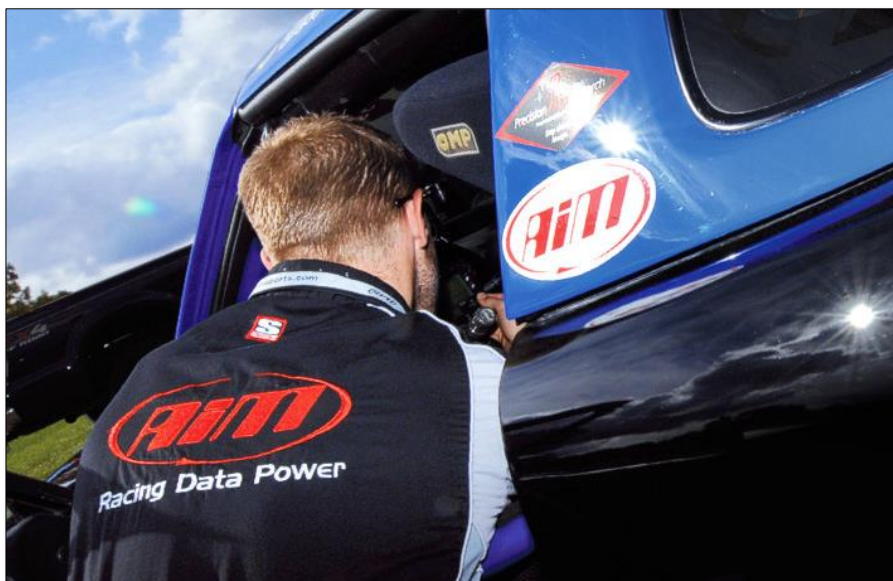
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Customer Support



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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[aimsports.com](https://www.aimsports.com)



How to Overcome the Hardest Part of Going Faster



Host:

Roger Caddell

AiM Sports - National Training Manager

Co-Host:

Peter Krause

PeterKrause.net

Next Webinar: Tuesday Oct 12th, 2021 - 10:00am Pac/1:00pm East

Next Webinar

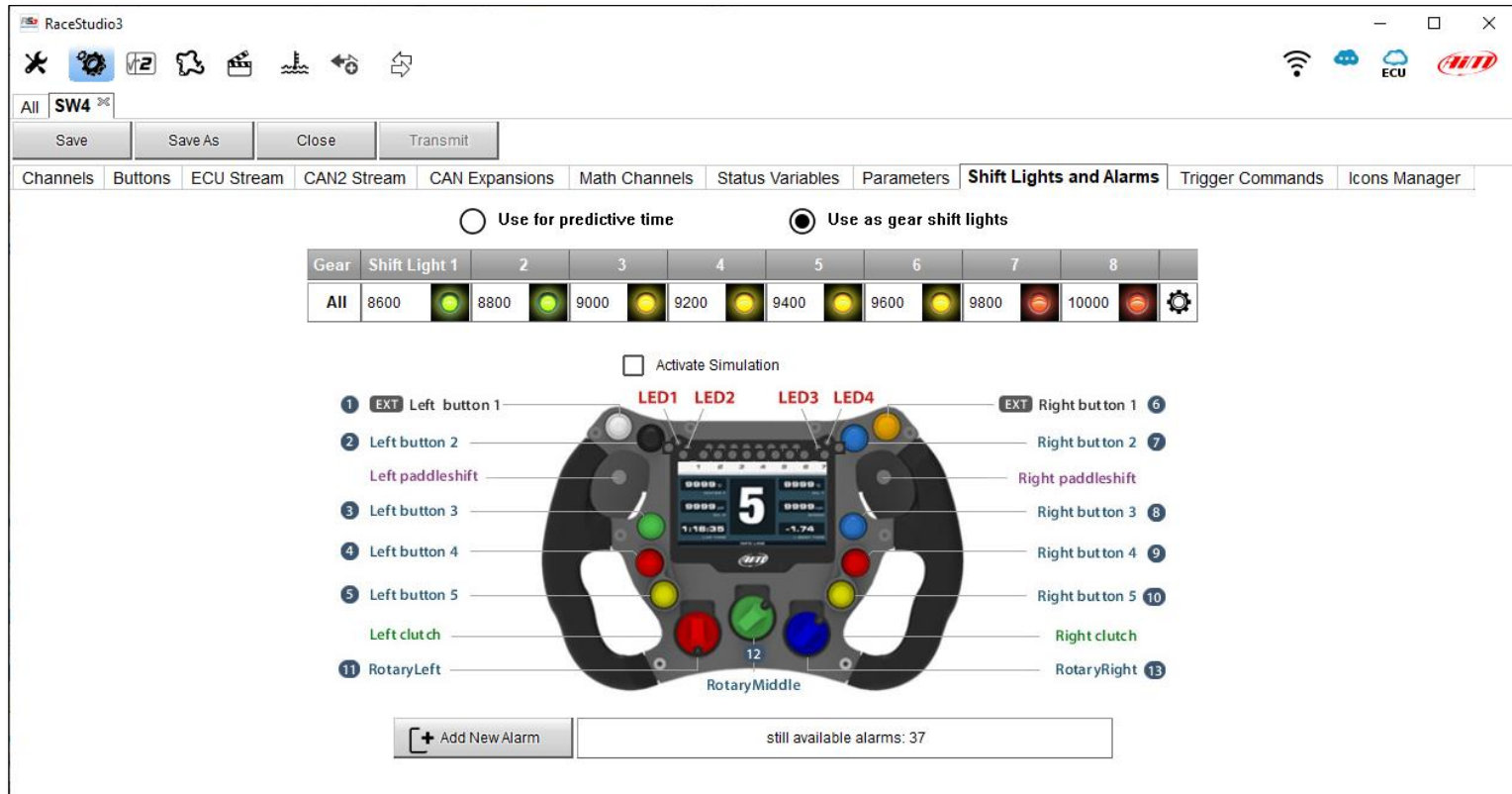
How to Overcome
the Hardest Part of Going Faster

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Tuesday Oct 5th, 2021

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