

#6-1
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If You Have Questions

New AiM Sports Hardware

And 2024 PRI Show Review



Roger Caddell
National Training Manager



Robbie Yeoman
Chief Technology Officer

Bryc Talley
AiM Sports Technician



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Tuesday January 14th, 2025

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If You Have Questions

MyChron6

30 Years of MyChron



Thirty years of MyChron



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New AiM Sports Hardware

MyChron6

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If You Have Questions

MyChron6

30 Years of MyChron



MY30th
anniversary



MYCHRON4
2006



MYCHRON5
2015



MYCHRON6
2024

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If You Have Questions



MyChron6

MYCHRON6



We are proud to introduce the new **MyChron6**.
Here the improvements in comparison to the previous MyChron5:

- Wider display with 16 levels of gray
- Second CAN, user configurable
- USB-C connector for mass storage, battery charger or PC communication
- Wi-Fi or USB connection to the PC
- 6 axis IMU also for measuring the steering wheel position
- 20 hours non-stop working battery

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MyChron6

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If You Have Questions

MyChron6



In the back of your **MyChron6**, the access to the USB slot is fast and safe.

Also your heart rate can be recorded among your data, **MC6** is compatible with all the heart rate monitors on the market.



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MyChron6



Technical specifications

	MYCHRON6	MYCHRON6 2T
Display	LCD 16-level gray scale	
Resolution	320x136 pixels	
Backlight	8 configurable RGB colors	
Shift lights/alarm LEDs	5 + 2 configurable RGB LEDs	
Integrated track database	Yes	
Wi-Fi & Bluetooth connection	Yes	
GPS	25 Hz	
External power	9÷15 V	
Aux CAN connection	Yes	
USB connection	For data download, mass storage support and battery charge	
Temperature inputs	1	2
Inertial Platform	6 axis, 100 Hz frequency	
Digital inputs	Optical lap signal - Magnetic lap signal	
Digital outputs	1, programmable high/low activation	
External modules	MyChron Expansion - IR Temperature Controller - SmartyCam 3 Series - Lambda (LCU-One and LCU15)	
Memory	4 GB	
Internal battery type	Rechargeable Lithium	
Body	PA6 GS30%	
Dimensions	150.0 x 79.0 x 36.6 mm	
Weight	370 g	
Waterproof	IP67	

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New AiM Sports Hardware

MyChron6

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XLog

Compact Data Logger

XLog

The compact datalogger by AiM

XLog is an extremely powerful and compact datalogger.

It records data coming from:

- ECU stream: CAN K-Line or RS232
- GPS: four constellations (GPS, GLONASS, BeiDou and Galileo), 25 Hz, with less than half a meter precision
- Internal 6 axis Inertial platform
- Expansions:
 - **ACC2**: Analog inputs
 - **LCU1S**: Lambda controller
 - **SmartyCam 3 series**: Motorsport cameras

Then, it features:

- Integrated Wi-Fi and Bluetooth
- Long lasting Lithium Battery and connection for an external 8-16V battery
- 4 GB internal memory
- Removable USB-C key
- Waterproof (IP67)



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XLog

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XLog

Compact Data Logger



Technical specifications

	XLOG
Integrated track database	✓
Inertial platform	100 Hz 6 axis
GPS	25 Hz
Wi-Fi connection	✓
Bluetooth connection	✓
ECU connection	CAN, RS232 or K-Line to 1,000 + industry leading ECUs
RPM input	1
Pushbutton	1
Status LED	1
External power	9÷15 V
Connectors	5 pins Binder 712 7 pins Binder 712 USB Type-C
Memory	4 GB internal + removable USB Type-C key
Battery	Rechargeable lithium
Material	PA6 + 30% glass fiber reinforced
Dimensions	74.8 x 6.4 x 31.1 mm
Weight	60 g
Waterproof	IP67

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XLog

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ECULog

Smallest Data Logger



ECULog

The smallest datalogger by AiM

ECULog is the smallest datalogger to record data from your ECU.
Its dimensions are 61 x 44 x 27 mm only.

It records data coming from:

- ECU stream CAN: K-Line or RS232 connections
- Expansions:
 - **ACC2**: Analog inputs
 - **LCU1S**: Lambda controller
 - **SmartyCam 3 series**: Motorsport cameras

Then, it features:

- ECU connection
- 4 GB internal memory
- Removable USB-C key
- Waterproof (IP67)



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ECULog

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ECULog

Smallest Data Logger



A flexible system

Thanks to **RaceStudio 3** software will be fast and easy to create a complete system with the new **ECULog** designed by AiM. A lot of add-ons are available to cover most requirements.



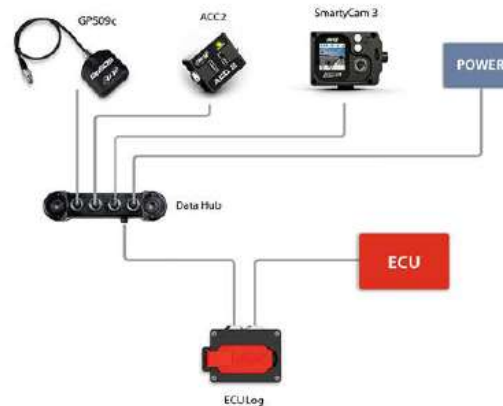
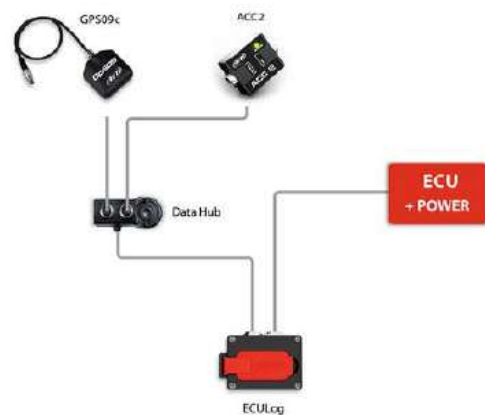
GPS09c
The coveted GPS
by AiM

SmartyCam 3 series
Cameras with realtime
data overlayed
on videos

ACC2
Compact
CAN converter

LCU15
Reliable
Lambda Controller

Connection examples



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ECUlog

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ECULog

Smallest Data Logger



Technical specifications

	ECULOG
ECU connection	CAN, RS232 or K-Line to 1,000 + industry leading ECUs
External power	9÷15 V
Connectors	5 pins Binder 712 7 pins Binder 712 USB-C
Memory	4 GB internal + removable USB-C key
Material	PA6 + 30% glass fiber reinforced
Dimensions	61.4 x 44.7 x 27.2 mm
Weight	60 g
Waterproof	IP67



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ECULog

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CANKey

Small CAN Logger



CANKey

The small CAN logger

Easy to install, it records your data through CAN connection and save them into a small USB-C memory module.

- ECU connection
- 4 GB internal memory
- Removable USB-C key
- Waterproof (IP67)



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CANKey

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CANKey

Small CAN Logger



Compact and built to resist

The reduced size of the **CANKey** makes it ideal for any cockpit or vehicle.

Its rugged aluminum body with fast open system are designed to protect your data and to withstand in the extreme environment of the Motorsports.



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CANKey

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CANKey

Small CAN Logger



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CANKey

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If You Have Questions

CANKey

Small CAN Logger



Technical specifications

	CANKEY
ECU connection	1
External power	9÷15 V
Connectors	5 pins Binder 712 USB-C
Memory	4 GB internal + removable USB-C memory module
Material	Anodized Aluminum
Dimensions	55.90 x 22.70 x R 13.5 mm
Weight	50 g
Waterproof	IP67

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CANKey

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EPM08 – EPM32

EPM32 EPM08

The **EPM32/08** are two expansions dedicated to:

- MXS 1.2-1.3
- MXP 1.2-1.3
- MXG 1.2-1.3
- MXT 1.3
- PDM08
- PDM32

With **EPM32/08** your system will have completely configurable power outputs, digital and analog inputs.

- RGB LEDs
- Analog/digital inputs
- Power Outputs
- AMP and Amphenol Surlok connectors



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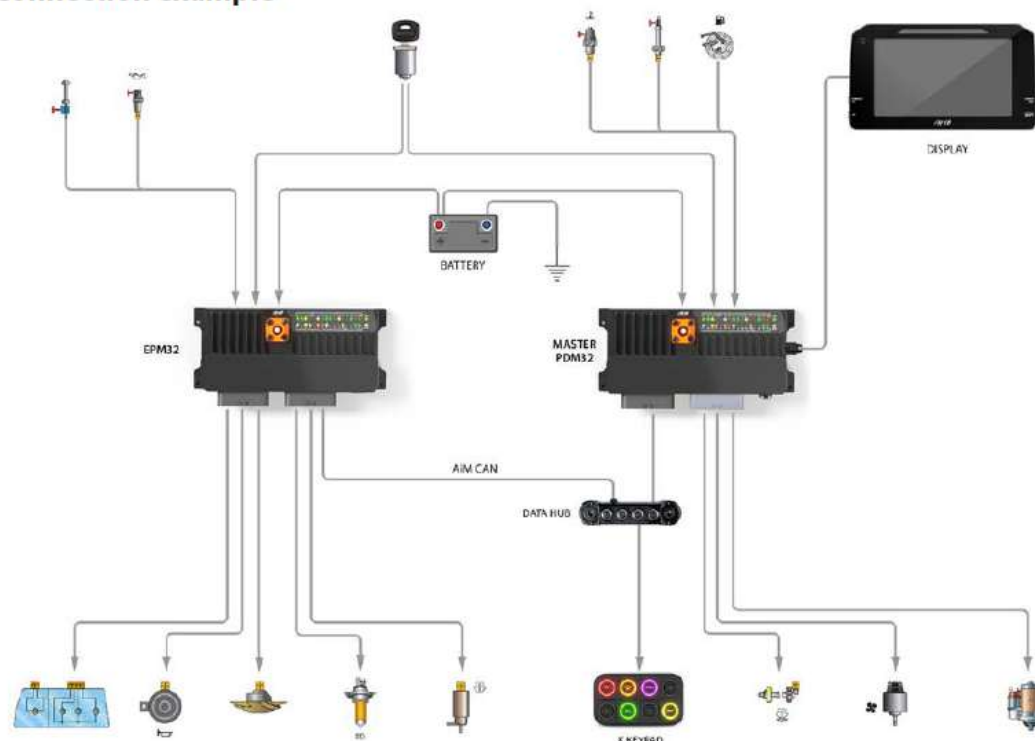
EPM08 – EPM32

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EPM08 – EPM32



Connection example



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EPM08 – EPM32



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Keypad Series

Keypad series

The CAN-Bus keypads

K6, K8 and K15 are the AiM compact keypads based on CAN protocol. They are completely customizable and proposed with a wide range of interchangeable inserts. Configurable via USB fast and easy.

These rugged keypads are water and dust resistant and can be installed both inside and outside the cockpit.



COMPACT,
FULLY CUSTOMIZABLE,
WATER AND DUST PROOF.

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Keypad Series

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Keypad Series



- Off
- Red
- Green
- Amber
- Blue
- Magenta
- Cyan
- White



Customized experience

Each pushbutton can be configured in multi-status, momentary or toggle mode; these last two may also be time dependent.

Every pushbutton has an associated RGB LED, enlightened for night time use or even as feedback after having required an action: you may choose the colour depending on a single status and the logic for turning it ON.

In addition the RGB LEDs lights may be configured to be continuous, slow or fast blinking.

You can also configure every single LED to be turned ON in different colours following the conditions defined through the math channels.

All these features make the **Keypad series** devices customizable in every aspect.

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Keypad Series

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Keypad Series



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Keypad Series



Open version

Keypad series is also available in "Open Version" for transmitting the data via CAN to every system: configuring the output is very flexible, by setting IDs, messages, baud rate and frequency. Of course, the "Open Version" can also be used as an AiM Expansion, without any issues or limitations.

Technical specifications		
	K KEYPADS	K OPEN KEYPADS
Pushbuttons	8 programmable keys (momentary, toggle, multistatus)	
Backlight	RGB with dimming option	
Connection	AiM CAN 5 pins Binder 712	USB CAN 7 pins Binder 712
Materials	Rubber silicon and PA6 GS30% reinforced	
Dimensions	127.4 x 71.4 x 24 mm	
Weight	150 g	
Waterproof	IP67	


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Keypad Series

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If You Have Questions

Python

Multi-Cylinder ECU



Multi-Cylinder ECU

Experience the future of engine control with the new **Python** Multi-Cylinder ECU.

Its advanced technology enables unparalleled customization and flexibility, making it the perfect solution for both category-managed and unrestricted applications. Port Injection ECU delivers full control for most modern engines.



- Manages engines with up to 4 cylinders
- Drive up to 4 power coils directly
- Accelerate your tuning process with integrated wideband Lambda controller and barometric pressure sensor
- Unlock advanced tuning capabilities, including 9 analog inputs, 3 temperature inputs, 1 differential crank position sensor or 1 HALL crank position sensor inputs.
- Drive by wire
- Aluminum body

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Python

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If You Have Questions



Python

Multi-Cylinder ECU

Rugged and reliable

Every device is completely manufactured, assembled and tested in-house to ensure high reliability of the product and meet the highest standards. Designed to face the harshest environments, the components used allow continued operation in a very wide temperature range.



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Python

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Python

Multi-Cylinder ECU

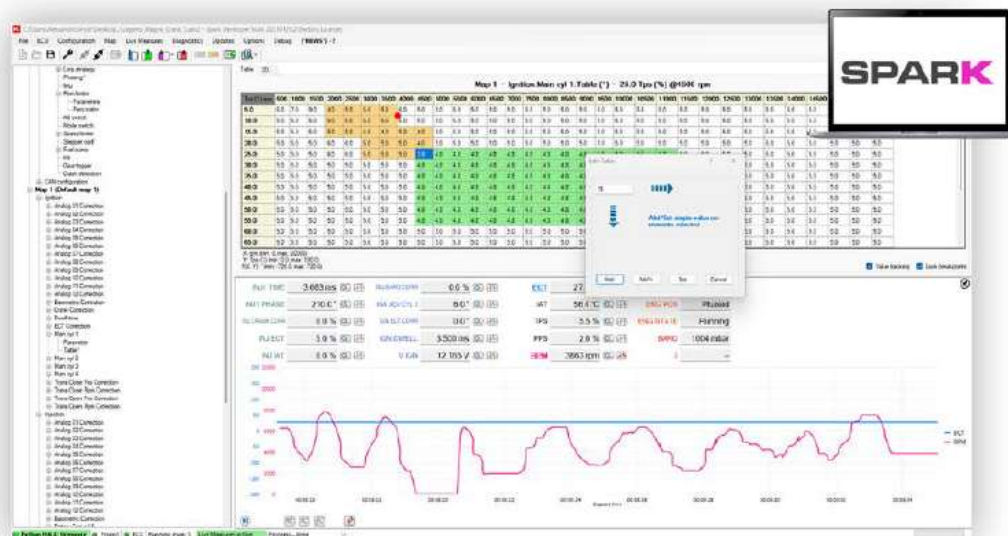


Unique maps and strategies

With **Spark** cutting-edge AiM software, tuners can unleash the full potential of the engine by developing unique maps and control strategies, every parameter can be managed with precision and control.

Connect an AiM data logger or a dashboard via CAN bus to manage a complete system: the most important data will be immediately visible and recorded for in-depth analysis.

Sophisticated **drive-by-wire** strategies provide a wide range of throttle control along with advanced plausibility (fault/error) checking for safety.



AiM Spark screen for ignition time adjustments. Editing table with live view data and graphs.

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Python

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Python

Multi-Cylinder ECU



Technical specifications

	PYTHON
Outputs	• 4 saturated injectors (12Ω) • 4 coil power driver (21A, 390V, 300 mJ) • MRD low side (main relay driver max 0.6A) • 1 high side 5A • 1 bipolar stepper motor driver 0.6A • 1 H-BRIDGE (DBW) 8.3A • 2 Vref (5V, 100 mA) • 7 low side (6 @ 4A, 1 @ 2.2A)
Inputs	• 1 differential crank position sensor (VRS) or 1 HALL crank position sensor • 3 digital frequency input (2 speed , 1 cam sync) VRS/HALL • 1 key input • 4 digital input, close to GND • 9 analog inputs (8 inputs 0-5V, 1 input 0-12V) • 3 temperature inputs 50 Ω-100K Ω
Interfaces	2 CAN busses (1 for calibration, 1 for datalogger/dashboard)
Connector	APTIV/DELPHI 64 contacts
Material	Anodized Aluminium
Dimensions	122.3x120x40.4 mm
Weight	450 g
Waterproof	IP67
Lambda	Internal wide band lambda controller
Sensor	Internal barometric sensor
Datalogger	Internal, for 30 min acquisition
Inertial Platform	Internal 6 DOF IMU (3 x accelerometers, 3x gyro) for pitch and roll

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Python

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LearnFast™ E-Training Videos



Currently **268** Videos and Growing

YouTube www.youtube.com/aimdata

New AiM Sports Hardware
And 2024 PRI Show Review

HIGHLIGHTS 2024

PRI SHOW

Roger Caddell
National Training Manager

Robbie Yeoman
Chief Technology Officer

Bryc Talley
AiM Sports Technician

aimsports.com Tuesday January 14th, 2025 LearnFast™

- All New 2020 - 25 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
 - 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

Emy Kissick
2024 Mazda Spec MX-5 Shootout Winner

Host:
Roger Caddell
AIM Sports National Training Manager

Co-Host:
Emy Kissick
Mazda Performance Driving Team

aimsports.com Tuesday December 10th, 2024 LearnFast™

Webinar Series
Bringing Data Support and Training to You

Data Download Options
In Race Studio 3

March 31st, 2020

www.aimsports.com learning@aimdata.net 1-800-718-9090



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Additional Materials

LearnFast™ E-Training Videos

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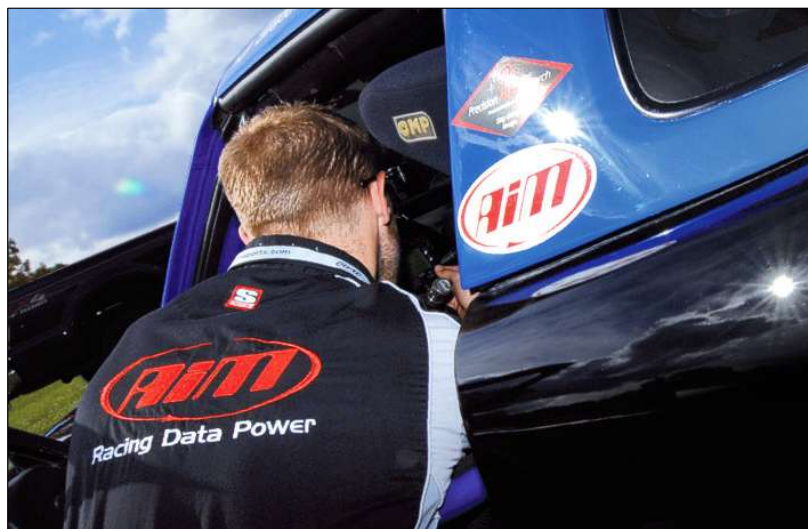
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Customer Support



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**



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Customer Support

At An Event Near You!

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If You Have Questions

Next AiM Sports Webinar

Tuesday, January 28th, 2025 – 10am Pac / 1pm East



Roger Caddell
National Training Manager

Trey Shannon
PitFit Program Director - Charlotte



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Next Webinar

2nd & Last Tuesday of Each Month

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If You Have Questions

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