



Aim; enhancing motorsport since 1994

In 1994 **Aim** took its first steps in the karting world and has since expanded into all areas of motorsport.

The company's mission is to design and manufacture effective, intuitive and easy-to-use devices that enhance vehicle, driver and team performance. All this is supported by our well-prepared technicians and dedicated software solutions, ensuring outstanding results.



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The Company

Thanks to a unique combination of technological expertise, in-house capabilities, and a strong culture of innovation, Aim has become a key reference point for motorsports professionals worldwide.

Completely in-house development of:

- **HARDWARE**
- **FIRMWARE**
- **SOFTWARE**
- **MECHANICAL PARTS**

Sectors of Activity

Aim designs lap timers, dashes, loggers, motorsports cameras, ECUs, and PDMs for all kinds of racing vehicles: from kart to car, bikes, UTV, ATV, dragsters and even snowmobiles and F1 boats.

A Worldwide Distribution Network

More than 65 official distribution organisations all over the world attend our customers with aftermarket support.

A Technical Service on Track

Our technicians give constant support on track worldwide.

Technical Support and Webinars

- Completely free-of-charge support, both on and off track
- Free monthly webinars covering the most relevant topics related to Aim products.

*Research, technology,
experience and passion.*

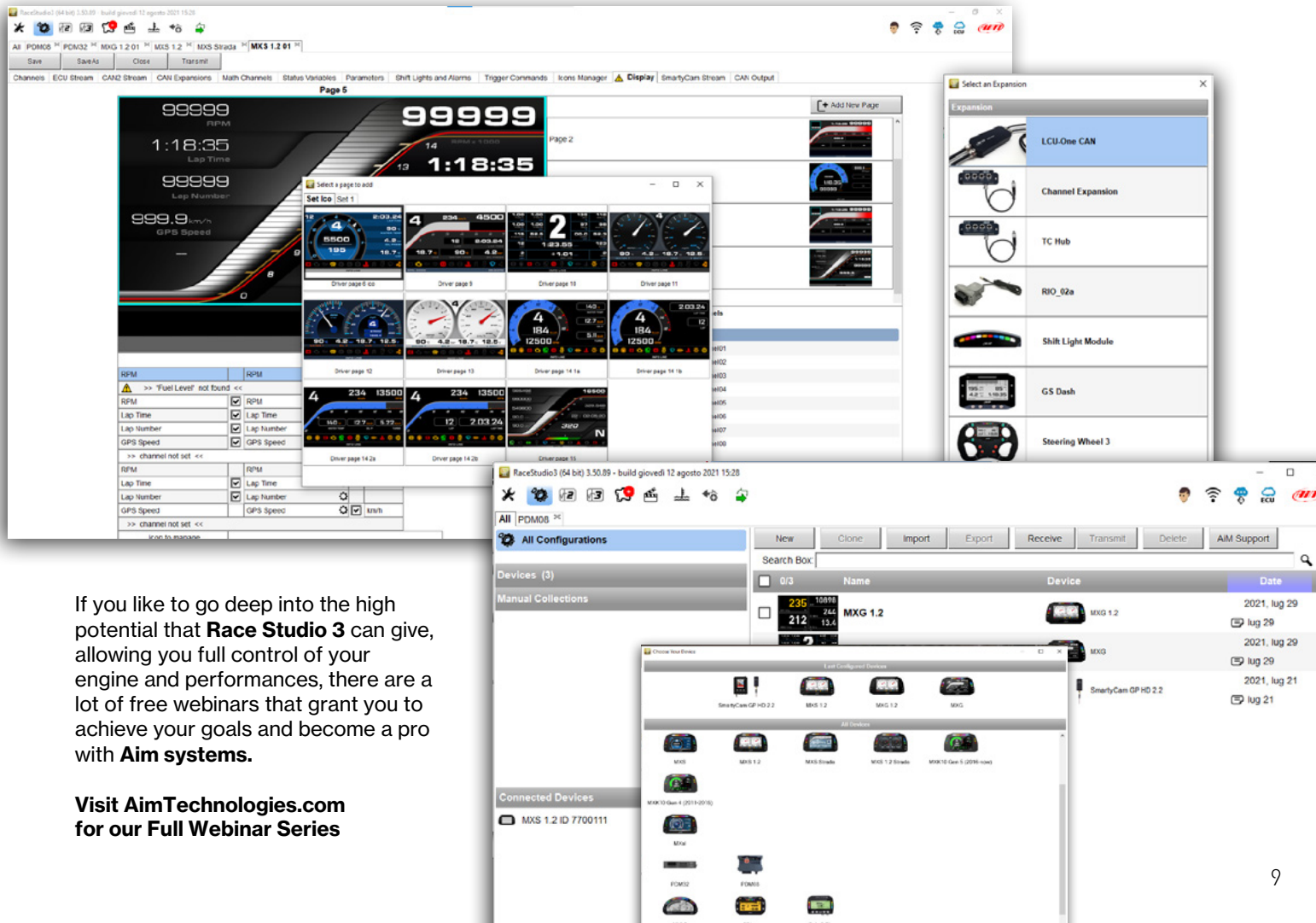


The Powerful Software

Race Studio 3 is the “cockpit” of all our devices, as it will manage all your activities. Thanks to this powerful software you can create, modify, delete, import and export configurations with all channels, ECU drivers, math channels, display pages, digital outputs, alarms, shift lights and all the expansions you need. You will also be able to manage the maps of all your racing tracks and compare two laps watching the video recorded by SmartyCam 3/4 cameras. You may choose among a wide range of styles and every field may show the channel you wish; you can setup each detail and manage what to show, with just a few steps.

RS3
RACESTUDIO





If you like to go deep into the high potential that **Race Studio 3** can give, allowing you full control of your engine and performances, there are a lot of free webinars that grant you to achieve your goals and become a pro with **Aim systems**.

Visit [AimTechnologies.com](https://www.aimtechnologies.com) for our Full Webinar Series

Race Studio Analysis 3

Your Performances at Your Fingertips

Race Studio Analysis enables you to sync and analyse all data recorded on an Aim device and download it straight to your PC; from graphs, histograms, and tables, these will help you to study your track session, providing objective support to avoid mistakes and improve overall.

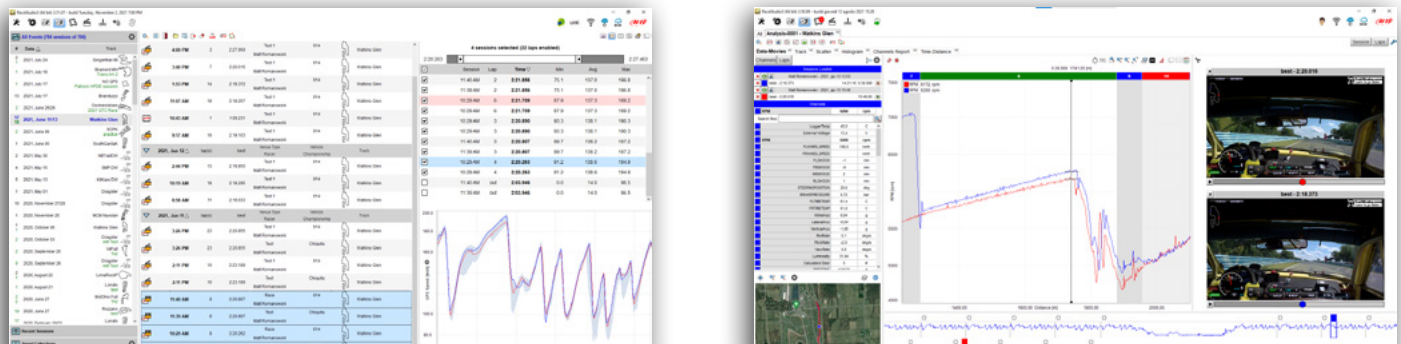


Preview and Comparison

An easy and quick overview of your sessions before opening them. Select one session to get a preview and more sessions for a better comparison.

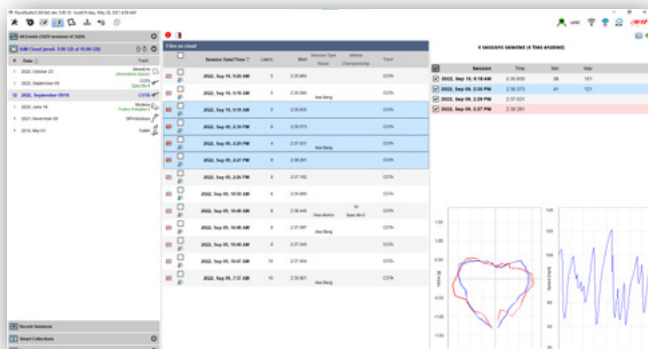
Smart Sync

Import your data and videos from any Aim SmartyCam and Logger, and Race Studio Analysis will automatically synchronise them.



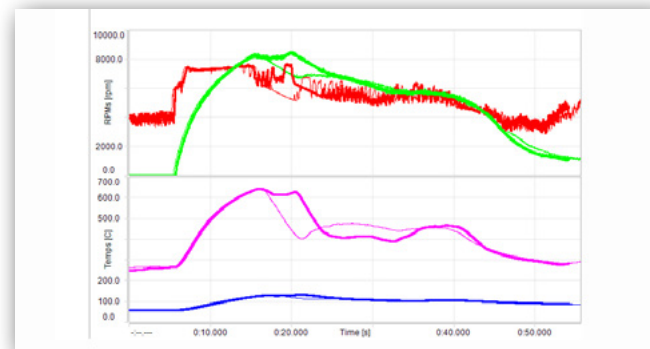
Aim CLOUD Service

Now all of your data and videos are available at any time on your PC, and you can share them with your friends and coaches: just synchronise your Aim CLOUD.
Easy and Safe. No more import/export and/or old pendrives.



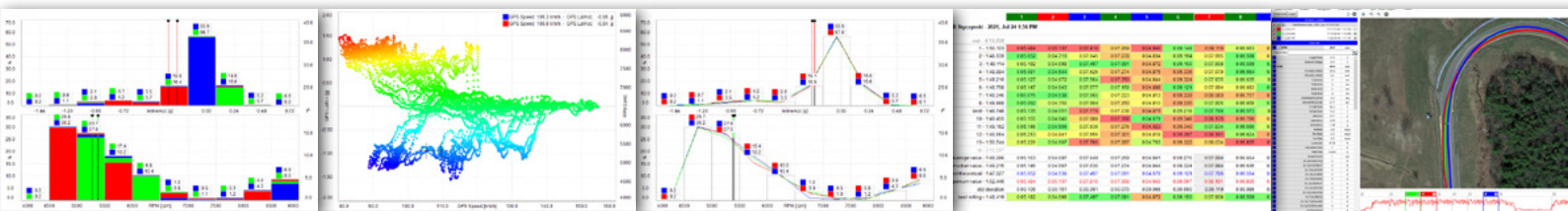
Dedicated Views for Track Races, Dragster and Oval

Analyse your tests using the most efficient view within RS3, displaying all of the information you will need to find out just how to improve your performance.



Endless Possibilities

A wide range of plot/charting combinations are available to help you evaluate your vehicle and driving style.

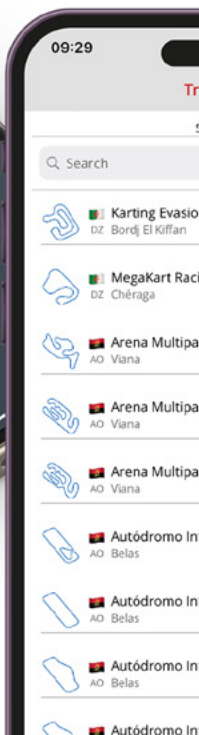


Race Studio 3: Always With You

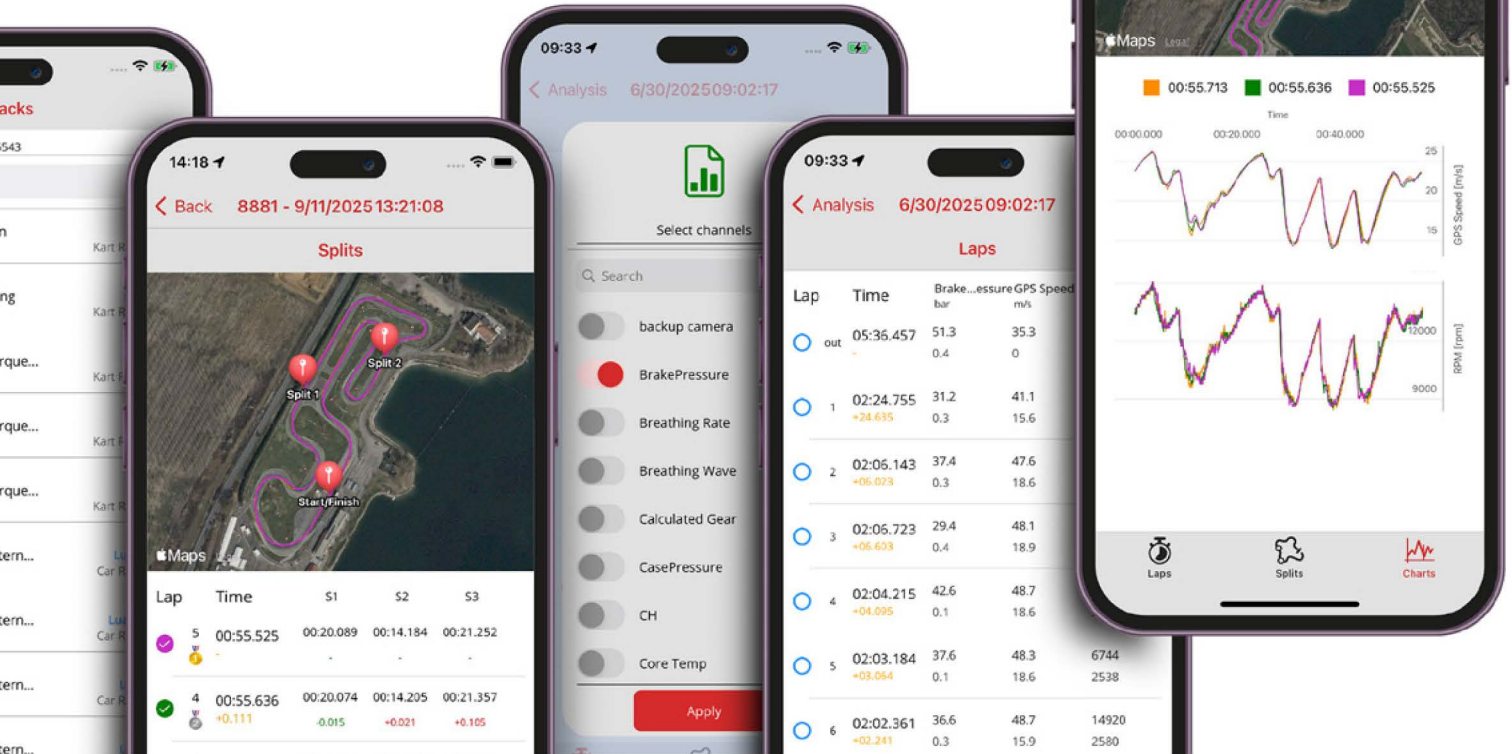
Now **Race Studio 3** is also available on your smartphone for managing the following features:

Key features

- Data analysis
- Online data visualisation
- Sensor calibration
- Track management
- Firmware update
- Data download and cloud storage



The brand new cross platform (Apple iOS® and Google Android®) application is designed to have the main features of **Race Studio 3** at your fingertips, allowing you, through the Wi-Fi connection, to manage your Aim devices, monitor all the channels you want, and analyse the values logged during track sessions through detailed maps and graphs.



MultiGauge

The All-in-One Tool

The new **MultiGauge** combines four essential tools in one rugged and portable device built for every demanding racer:

- **Tyre Pressure**
Measures, adjusts and stores tyre pressures.
- **Infrared Pyrometer**
The internal sixteen point infrared temperature sensor is extremely useful for understanding the wheel behaviour.
- **Weather Station**
Provides real-time weather information: air pressure, temperature, humidity and air density.
- **Multi-Driver Stopwatch**
Track up to 4 drivers simultaneously with lap and split times. Ideal for free practice, qualifying and race sessions.
- **Data Logger**
All the data is recorded and eventually transmitted through Wi-Fi to your Aim Logger in order to have all the information you need when you analyse your data.



Built to Withstand

The new **MultiGauge** is engineered to perform in the toughest racing environments, offering exceptional resistance to dust, shocks and harsh weather conditions. With its intuitive interface and fast response, it delivers what engineers and drivers need most: accurate, reliable data without distractions.



Key Features

- Keyboard with acrylic protection
- Case made of a durable polymer material
- Belt clip for easy portability
- Rechargeable battery
- Gorilla glass for superior protection
- Internal memory (4 GB)
- Versatility: detachable cable allows use as a standalone stopwatch
- Adjustable sensor for right and left-handed operation





Technical specification

MultiGauge

	MultiGauge
Pressure Measure Range	0-10 Bar
Accuracy	+/-0.5% FS
Temperature Sensor	Internal IR Multipoint Sensor
Weather Station	Air Pressure - Temperature - Humidity - Density
Display	TFT 256K colours IPS
Resolution	320x480 pixels
Size	3.5"
Brightness	800 cd/m2
Contrast Ratio	700:1
Wi-Fi/BLE	Yes
USB-C	Yes
Keyboard	8 switch + 1 function button
Haptic Feedback	Yes
RGB Led	1
Internal Memory	4 GB
Body	PA6 GS30%
Dimensions	68.0 x 145.8 x 20.2 mm
Weight	200 g
Waterproof	IP67

MYCHRON6

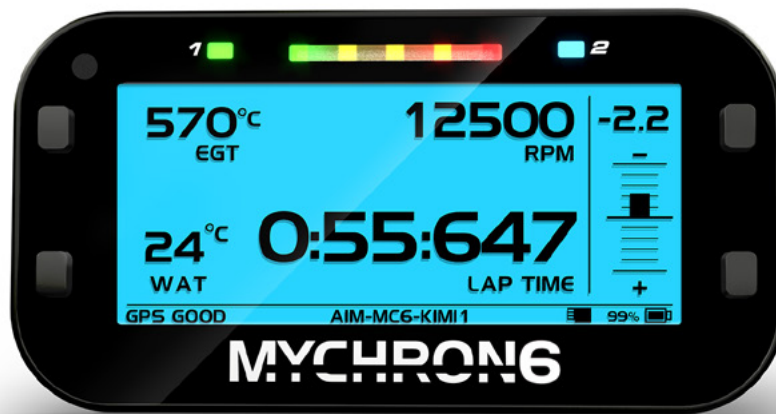
Advanced Data Logger for the Karting World

The Aim MyChron6 is a high-performance karting data logging lap timer, packed with advanced features designed to help racers monitor and improve their performance on the track.

The MyChron6 and MyChron6 2T set the standard in karting data acquisition systems.

Key features

- Wider display with 16 levels of grey
- Dedicated CAN for expansion devices
- Second CAN
- 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



Data Storage and Connectivity

The USB-C connector not only allows you to charge your logger, but also lets you store all your data on the optional 16 GB dedicated memory module.



Bluetooth Connectivity

Experience seamless connectivity with the new advanced Bluetooth module of the **MyChron6/2T**. If you wish to measure your heart rate while racing, simply connect the heart rate monitor to your **MyChron6/2T** via Bluetooth allowing you to either look at the data on-screen or download it after the race. Compatible with the most common heart rate monitors on the market.



Up to 20 Working Hours

Thanks to the ultimate large high-performance battery pack and low-consumption electronics, with up to 20 hours of autonomy, the **MyChron6** will be your reliable companion on the track without the need for recharging.

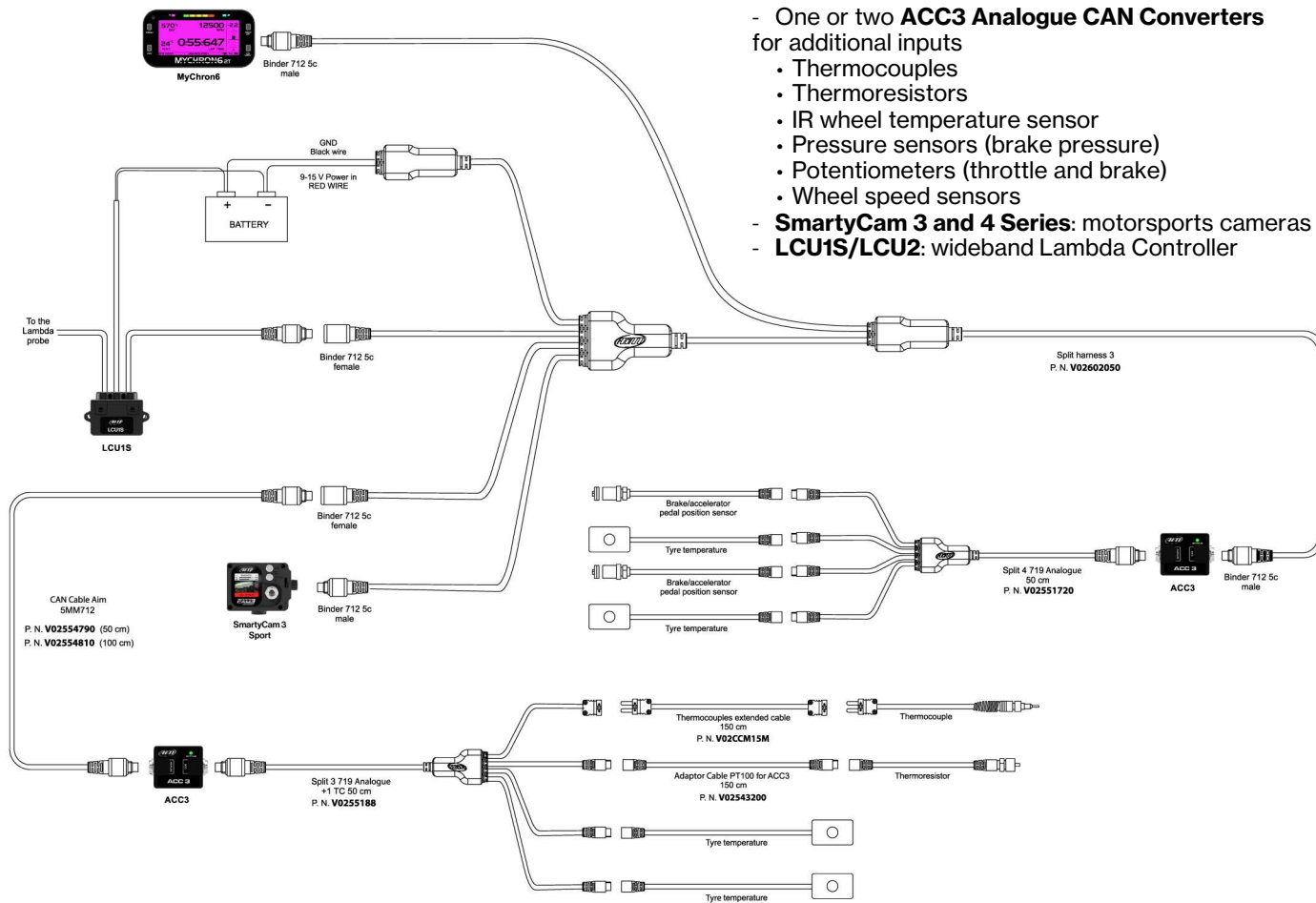
The **MyChron6/2T** features a wide 320x136 pixel graphical display to have all the data under control. With the all-new dedicated pages layout you will be able to easily and promptly monitor split times, overall delta time, and heart rate. The screen can be backlit in one of the eight available colours. The incorporated light sensor makes brightness and contrast ideal in all light conditions; the **MyChron6/2T** display will always be readable and clear even in the most intense phases of the competition.



A Complete Integrated System

The **MyChron6/2T** can be connected to various expansions:

- One or two **ACC3 Analogue CAN Converters** for additional inputs
 - Thermocouples
 - Thermoresistors
 - IR wheel temperature sensor
 - Pressure sensors (brake pressure)
 - Potentiometers (throttle and brake)
 - Wheel speed sensors
- **SmartyCam 3 and 4 Series:** motorsports cameras
- **LCU1S/LCU2:** wideband Lambda Controller



Always Connected and Race-Ready

The **MyChron6** and **MyChron 6 2T** offer seamless Wi-Fi data transfer and software updates, eliminating the need for data keys or PC connections. Your device stays constantly up to date with the latest features and improvements, ready to perform at its best on track. Equipped with an advanced GPS system, the **MyChron6/2T** automatically recognises the coordinates of thousands of tracks worldwide. Through **Race Studio 3**, you can access and personalise a complete track database, organised by nation, circuit and surface type, and build your own collection by adding or removing tracks. If your home circuit isn't listed, your **MyChron6/2T** will detect it automatically after just one lap. If you want, the data can then be submitted to the Aim Software Department for inclusion in the global database.



	MYCHRON6	MYCHRON6 2T
Display	LCD 16-level grey scale	
Resolution	320x136 pixels	
Backlight	8 configurable RGB colours	
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	
External Modules	ACC3 - SmartyCam 3/4 Series - Lambda (LCU-One and LCU1S)	
Memory	4 GB + optional removable USB-C 16 GB card	
Internal Battery Type	Rechargeable Lithium up to 20 hours	
Body	PA6 GS30%	
Dimensions	150.0 x 79.0 x 36.6 mm	
Weight	370 g	

MX TFT Series

A Complete Range of TFT Dash Displays and Loggers for Motorsport

The range is designed to suit different levels of performance and user needs:

Strada Light Version: for essential applications, offering core functionality in an easy-to-use device.

Strada Version: mid-range solution, providing more advanced features while remaining accessible for semi-professional or enthusiast users.

Data Logger Version: the most complete, designed for professional use, integrating advanced data logging, GPS and a 6-axis IMU.

All versions features:

- ECU connections
- Fully user configurable multi page display
- Ambient light sensor

Completely configurable and customisable directly on our free software **Race Studio 3**.



MXG 7"



ECU
Connection



GPS
Module



Analogue/Digital
Inputs



Expansion



Accelerometer



Math Channels



Second
CAN



Digital
Outputs



Track
Recognition

MXP 6"

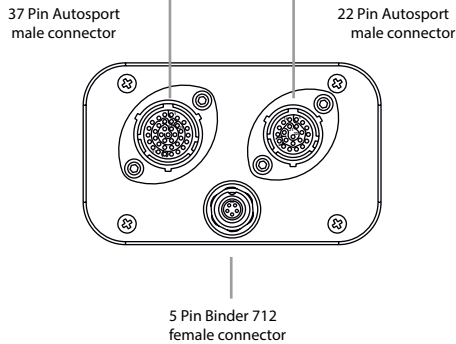


MXS 5"

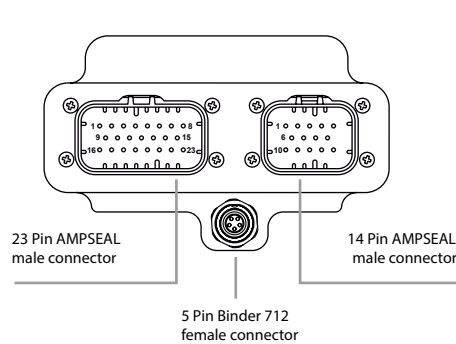
MXT 10"

Connections

DASH LOGGER

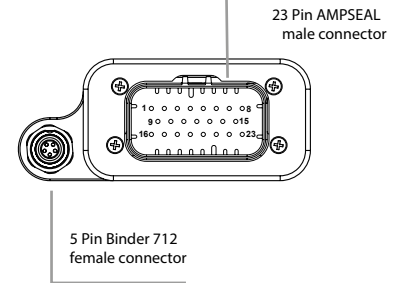


DASH



DASH LIGHT

(available only in MXS and MXG version)



Aim's Race Studio 3 software offers the possibility to customise numerous page layouts, including bar graphs, ring bars and icons meeting the needs of even the most meticulous analysis. In every graphic layout, users can modify labels, text, colours, size and font type of data, ensuring a fully personalised experience. In addition, page layouts and functions are periodically updated and improved to expand configuration and customisation possibilities, delivering a constantly improving user experience.

Page Layout Customisation

Box background customisable colour

Bar graph customisable colour

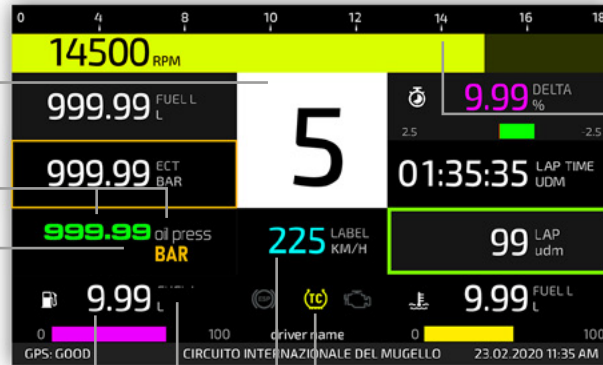
For a great visual impact choose among a wide selection of fonts for:

- MEASURE
- LABELS
- UNIT

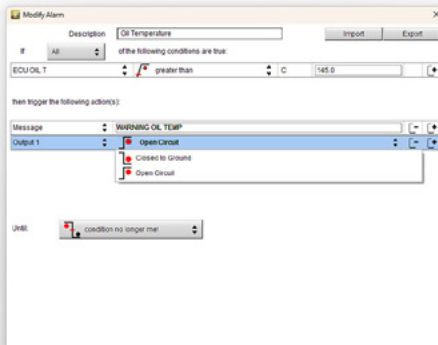
Outline colour and thickness can be configured according to user's needs.

Users can set the colour of any digits (measure, label and unit)

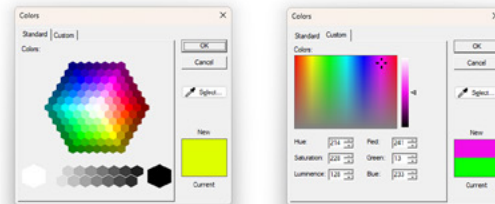
Measure and icons colour can be modified based on conditions previously set in RS3.



Configuration of alarm messages



Colour selection can be predefined or completely custom



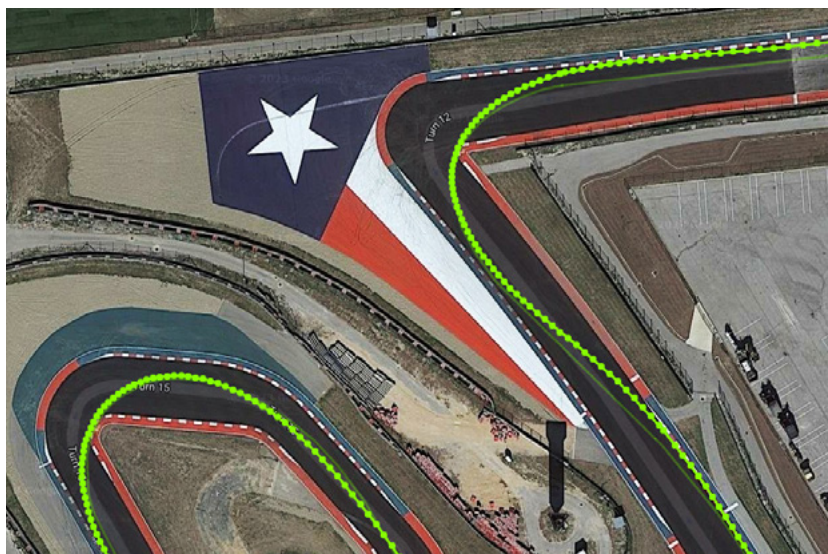
Lap Time Manager

The **MX Series** calculates lap times and records data, including track name and session time, making it easier to analyse your results. If you can't find the track in the database, no problem: MX dash and dash loggers automatically understand the characteristics of the track and give the lap time.



Position and Speed on Track

The **MX dash loggers** offer exceptional accuracy, achieving sub-0.5 meter precision by leveraging four satellite constellations. They also provide high-frequency data sampling at 25 Hz. If you have a Strada or Strada Light version, you can add the optional GPS09 to accurately record lap times. Furthermore, the Strada Logger accessory converts your Strada or Strada Light device into a comprehensive **MX Dash Logger**, fully enabling session recording.

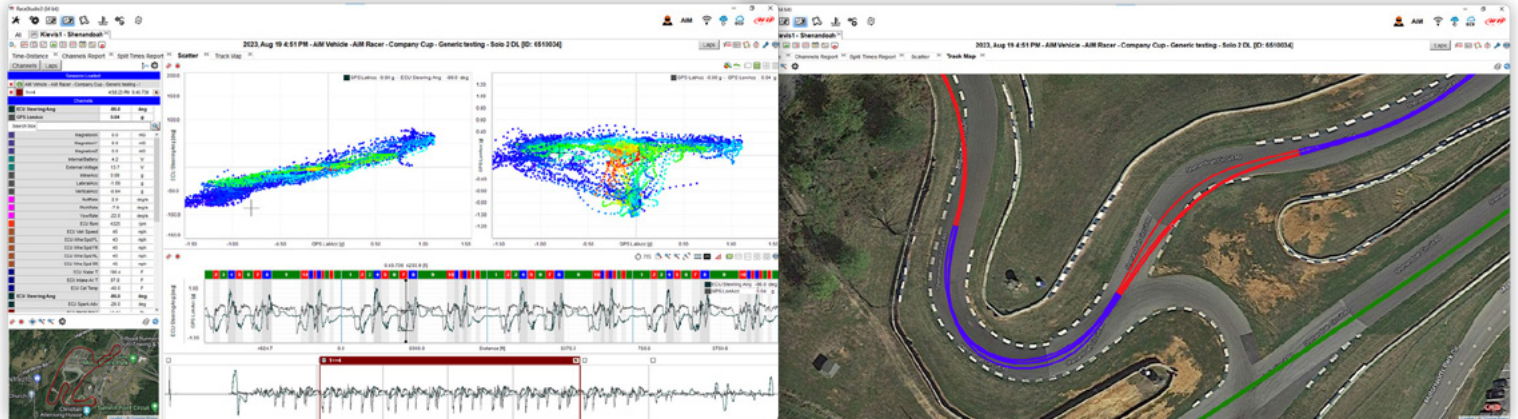


Data Download and Analysis

With the MX TFT Series dash loggers, you can easily download recorded data to your PC via USB or Wi-Fi. Using the powerful **RS3 Analysis tool**, you can deeply analyse every aspect of your driving session - from ECU data and vehicle dynamics to settings, issues and more.



Example of RS3 Analysis with SmartyCam 3 footage and data.





	DASH LOGGER		DASH	DASH LIGHT
Display Resolution	5"-6"-7": 800x480 pixels 10": 1280x480 pixels			
Ambient Light Sensor	Yes			
Alarm Display Icons	Freely configurable			
Shift Lights/Alarms	10 shift lights RGB LEDs and 5 to 8 alarms RGB LEDs			
CAN Connections	3			
ECU Connections	CAN, RS232 or K-Line			CAN or K-Line
Inertial Platform	100 Hz 6 axis	-		
Analogue/Digital Inputs	8 configurable, analogue/digital (0-5 V, 0-12 V) max 500 Hz each			4 configurable, analogue (0-5 V) max 500
Digital Inputs	4 speed inputs, coil RPM input	1 speed input, coil RPM input		Hz
Digital Outputs	2 (max 1 A each)	1 (max 1 A)		
GPS Module	Yes	Optional		
Internal Memory	4 GB	-		
Integrated Data Logger	Yes	-		
Wi-Fi Connection	Yes	-		
Analogue Camera Input	Yes			
Body	Anodised aluminium			
Connectors	1 Autosport 37 pin 1 Autosport 22 pin 1 Binder 5 pin 712	1 AMPSEAL 23 pin + 1 AMPSEAL 14 pin + 1 Binder 5 pin 712		1 AMPSEAL 23 pin + 1 Binder 5 pin 712
Power Consumption	400 mA			
Waterproof	IP67			
Expansions	Optional			
Race Studio 3 (Configuration & Analysis Software)	Constantly updated and freely downloadable			

TFT Dash & Dash Loggers

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MX LCD Series

The Compact and Easy-to-Use LCD Dash Loggers for Motorsport

The **MXm** and **MXq** dash loggers are comprehensive data acquisition systems that provide essential information for racers.

They sample and display critical parameters such as speed, lap times, RPM and gear, while also featuring multiple configurable math channels. The **MXm** and **MXq** are the perfect devices for both pro and amateur racers.

Key features

- 268x128 pixel, high contrast LCD display
- 7 configurable backlight RGB colours
- 5 RGB LEDs shift lights array
- 2 CAN connections
- Data recall on screen
- CAN, RS232 or K-Line ECU connections



MXm

Data From Multiple Sources

Both devices sample data from multiple sources, including the ECU, internal GPS, and custom math channels. The **MXm** offers 4 configurable analogue inputs, 3 digital inputs and 2 high-side digital outputs. The **MXq** provides 1 configurable analogue input and 1 digital RPM input.



MXq



MXm vs MXq

Both devices share a core set of features, with the only differences being the number of fully configurable analogue inputs and the specific count of digital inputs and outputs.



MXm features two power outputs.



	MXm	MXq
Display Resolution	268 x 128 pixels	
Ambient Light Sensor	Yes	
Backlight	8 configurable RGB colours	
Shift Lights/Alarms	5 Shift Lights RGB LEDs and 2 Alarms RGB LEDs	
CAN Connections	2	
ECU Connections	CAN, RS232 or K-Line	
Inertial Platform	Internal 3 axis $\pm 5G$ accelerometer + 3 axis gyro	
Analogue Inputs	4 fully configurable, max 500 Hz each	1 fully configurable, max 500 Hz
Digital Inputs	2 speed inputs Low level coil RPM input, 0-5 V square wave	Low level coil RPM input, 0-5 V square wave
Digital Outputs	2 high-side	-
GPS Module	Yes	
Internal Memory	4 GB	
Integrated Data Logger	Yes	
Wi-Fi Connection	Yes	
Body	Anodised aluminium	
Connectors	37 pin Motorsport + 4 pin power connector	3 Binder connectors
Pushbuttons	Metallic	
Dimensions	137.0 x 88.4 x 31.9 mm	
Weight	330 g	
Waterproof	IP65	
Expansions	Optional	
Race Studio 3 (Configuration & Analysis Software)	Constantly updated and freely downloadable	

MX UTV

The Dash Logger for the UTV World

MX UTV is the dash logger specifically designed for the off-road world, in order to offer our best technology to those racers who crave for running in absolute freedom.

Key features

- Integrated GPS
- Wide display with configurable multicolour backlight
- Graphical display resolution
- Ambient light sensor
- 2 configurable RGB alarm LEDs
- 5 configurable RGB shift light LEDs
- CAN connection
- ECU connection
- 4 GB internal memory
- 1 analogue input
- Glass fibre reinforced nylon
- Metallic pushbuttons
- Rechargeable LiPo battery
- Wi-Fi connection
- Single point sensor
- Waterproof IP65



The Gauge for UTV Vehicles

Aim's MX UTV is built for off-road enthusiasts who chase adrenaline and performance. It displays key data such as speed, RPM, lap times and belt temperature, crucial for preventing transmission damage, on a wide LCD with alarm LEDs and an ambient light sensor for optimal visibility.

MX UTV allows direct ECU connection setup from the device itself no configuration required. With secure 802.11 Wi-Fi, data download is effortless, even from up to 50 meters away - perfect for the toughest off-road conditions.

Precision Tracking, Smarter Data

With its integrated high-precision GPS module, **MX UTV** automatically detects the track you're racing on, delivering accurate lap times and real-time position tracking. No manual setup needed.

Thanks to its auto-learning mode, **Aim MX UTV** can recognise and store new tracks on the fly, continually expanding its internal track database.

All data from the ECU, Belt Temperature Sensor, and GPS is securely recorded in a powerful 4GB internal memory, capable of logging thousands of hours of race sessions.

Technical specification

MX UTV	
Display Resolution	268 x 128 pixels
Ambient Light Sensor	Yes
Shift Lights	5 RGB LEDs configurable
Alarm LEDs	2 RGB LEDs configurable
Backlight	8 configurable RGB colours
Integrated Track Database	Yes
ECU Connection	CAN, RS232 or K-Line
Inertial Platform	Internal 3 axis $\pm 5G$ accelerometer + 3 axis gyro
GPS	25 Hz
Wi-Fi Connection	Yes
Analogue Inputs	1
Internal Memory	4 GB
Connectors	3 Binder 712
Body	Glass fibre reinforced Nylon
Pushbuttons	Metallic
Dimensions	137 x 88.4 x 31.9mm
Weight	330 g
Waterproof	IP65
Expansions	Optional

Loggers

The New Generation of Data Loggers

Different environments require different products.

Aim offers a wide range of data loggers in order to face all the possible needs: from the ultra compact **ECULog** and **XLog**, that we designed trying to offer maximum integration, to the more traditional **EVOs** now at the sixth generation. All of them are based on the same architecture and can log the data from multiple sources, as you can see in the chart on page 41.



EVO6



EVO6L



ECULog



XLog

In-Depth Analysis with Race Studio 3

Thanks to the removable drive or Wi-Fi connection, you can easily analyse your data using our professional **Race Studio 3** software, comparing all the data recorded by the **Aim Data Loggers**. **Race Studio 3** automatically recognises it, letting you start data analysis immediately: histograms, XY view, diagrams, maps and even the reliable videos recorded with **Aim SmartyCams** are **automatically synchronised** for better comparison.



	EVO6	EVO6L	XLOG	ECULOG
ECU Connection	CAN, RS232 or K-Line to 2,000+ industry leading ECUs			
Analogue Inputs	8 fully configurable: 0-5V, 0-12V, K thermocouples max 2000 Hz each	5 fully configurable: 0-5V, 0-12V, K thermocouples max 2000 Hz each	-	-
Digital Inputs	Coil RPM and 4 speed inputs	Coil RPM and 2 Speed inputs	Coil RPM	-
GPS	GPS09 Module 25 Hz		Internal 25 Hz	-
Inertial Platform	Internal 100 Hz 3 axis ±5G accelerometer + 3 axis gyro			-
Digital Outputs	2, up to 1 Amp each	1, up to 1Amp each	-	-
Second CAN	Yes	-	-	-
WiFi	Yes			-
Bluetooth	Yes			
Internal Memory	4 GB			
Removable Memory	SD card up to 128 Gb	-	16GB USB-C Card included	
Expansions	GPS Module, SmartyCam, ACC3, LCU Modules, Keypads			
Connectors	2 Autosport connectors	13 Binder 712 female connectors	5 pin +7 pin Binder 712 USB Type-C	
Body	Anodised Aluminium		PA6 + 30% glass fibre reinforced	
Battery	-		Rechargeable LiPo	-
Dimensions	114.4 x 47.2 x 26.0 mm	130.0 x 46.6 x 26.0 mm	74.8 x 6.4 x 31.1 mm	61.4 x 44.7 x 27.2 mm
Weight	230 g		150 g	100 g
Waterproof	IP67			

Loggers

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CANKey

More Than a CAN Logger

The compact and easy-to-use CAN logger, designed for durability and versatility, is built to withstand the extreme environments of motorsports. Its rugged aluminium body and quick-access design protects your data while ensuring reliable performance in any cockpit or vehicle configuration.

Key features

- 1 CAN input
- 1 internal memory of 4 GB
- 1 USB-C Card of 16 MB
- Waterproof IP67



Flexible Configuration

CANKey can be configured in different ways, depending on your application needs:

As external memory within your Aim network:

CANKey connects to any Aim dash logger to record required data, storing it on a USB-C card for fast, efficient PC transfer.

As a stand-alone data logger:

CANKey connects directly to any CAN ECU to record all available data, independent of other Aim systems.

Aim Race Studio 3 can automatically select the “best-matching” protocol in the database. The software scans the CAN data and identifies the protocol sharing the highest number of message IDs.

As a support tool for CAN BUS analysis:

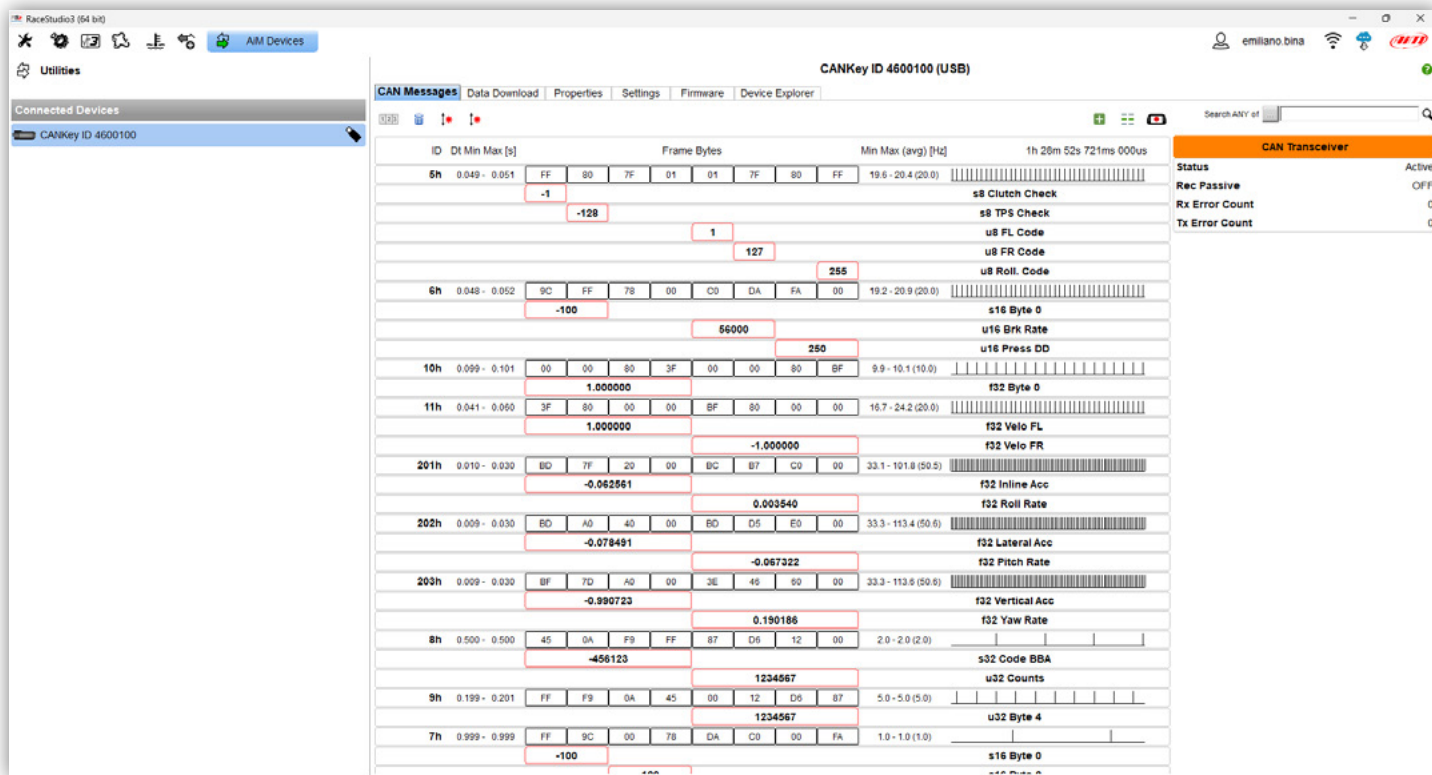
This mode opens up a wide range of interesting applications:

- Connected to a PC via USB-C, it displays all CAN messages in real time, providing all the information required for their management; in the meantime it can record all the CAN messages for a future analysis or an exact reproduction on what happen during the test
- A protocol from **Aim Race Studio 3** database can be applied online to verify how accurately it matches the data observed on the CAN network
- Each message can be split into channels specifying for each the number of bytes or bits, endianness, format, and parameters – letting you build a complete driver online.



CANKey Live Data Stream

An example of the powerful interface of the CANKey Race Studio 3 dedicated view.



	CANKEY
ECU Connection	1
External Power	9÷15 V
Status LED	Yes
Connectors	5 pin Binder 712 USB-C
Memory	4 GB internal + removable USB-C memory module
Material	Anodised Aluminium
Dimensions	55.90 x 22.70 x R 13.5mm
Weight	50 g
Waterproof	IP67

Solo 2

Solo 2 DL

The GPS Laptimers for Motorsports

The **Solo 2** and **Solo 2 DL** automatically calculate the lap times, thanks to their internal database including thousands of tracks all over the world.

They feature a 25 Hz, four constellation GPS receiver and a 100 Hz 6-axis inertial platform.

They calculate, show and record:

- **Lap times**
- **Sector times**
- **Position and vehicle speed**
- **3D acceleration and gyro**

The **Solo 2 DL** version also provides some extremely useful features:

- ECU connection
- Low voltage 150-400 V of the coil or from a digital square wave signal (8-50 V)
- CAN expansions available:
 1. Channel Expansion
 2. LCU1S - LCU2 Lambda Controller
 3. SmartyCam connections





The Most Precise and Easy to Use Lap Timer

The **Solo 2** and **Solo 2 DL** record position and speed 25 times per second, using four satellite constellations (GPS, GLONASS, BeiDou, Galileo) for sub-0.5m accuracy. They support speed or performance modes, providing real-time data and instant post-session analysis. The display offers 8 backlight colours.



GPS Laptimers



The Most Precise and Easy Way to Get Lap Times

The **Solo 2/Solo 2 DL** auto-detects its position using a global database of 4,000+ tracks to start timing instantly. If the track is missing, it switches to auto learning mode and records lap times automatically.

Race Studio 3 Analysis

The **Solo 2/Solo 2 DL** shows the proper information during the test and powerful data review immediately on your screen. You may analyse your data using our professional **Race Studio 3** software, comparing data that cannot be shown on the **Solo 2/Solo 2 DL** display.



Solo 2 - Solo 2 DL	
Display Resolution	238x99 pixels
Display Pages	Up to 8 configurable
Shift Lights/Alarm LEDs	10 RGB LEDs configurable
Backlight	8 configurable RGB colours
Integrated Track Database	Yes
ECU Connection	CAN, RS232 or K-Line (only for Solo 2 DL version)
Inertial Platform	Internal 3 axis $\pm 5G$ accelerometer + 3 axis gyro
GPS	25 Hz
Wi-Fi Connection	Yes
Bluetooth	Yes
External Power	9÷15 V
Internal Memory	4 GB
Battery Type	Rechargeable LiPo
Body	PA6 GS30%
Pushbuttons	Metallic
Dimensions	137.0 x 88.4 x 31.9 mm
Weight	240 g
Waterproof	IP67
Expansions	Optional
Race Studio 3 (Configuration & Analysis Software)	Constantly updated and freely downloadable

SMARTY **CAM4**

**The Camera Range Designed for Motorsport,
with Real-Time Data Overlays and Data Recording**

CORSA

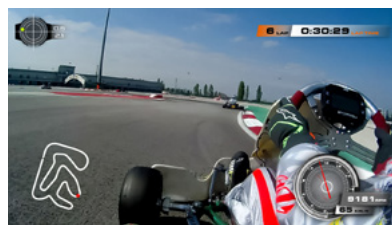
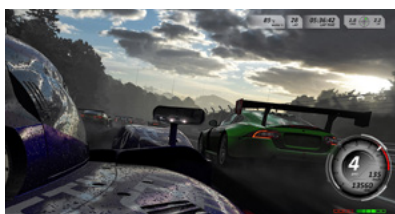
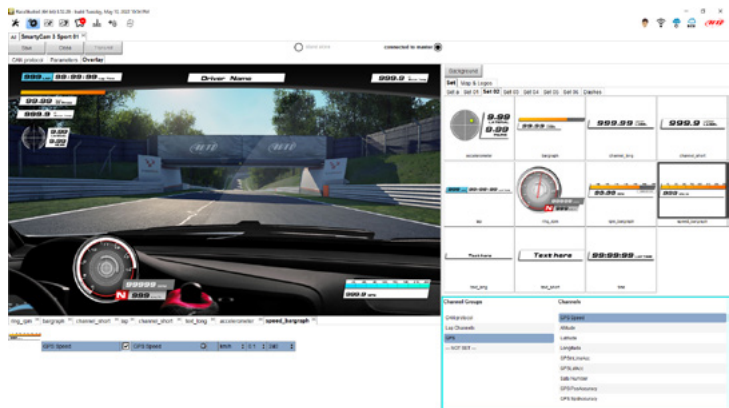
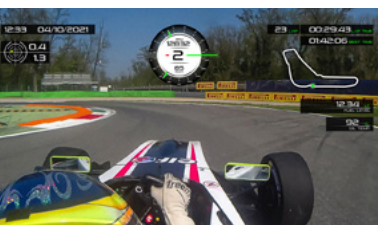




Overall Improvements:

- Enhanced image quality
- **Corsa** and **GP Dual** feature a Sony 12 MP CMOS Sensor and LSI Stabiliser
- USB-C port for configuration, download and storage
- Real-time app for setting and user interface

GP DUAL



SMARTY
CAM4



Real-Time Configurable Overlays on Video



SmartyCam 4 Cameras have been designed for motorsports with a single purpose:

PROVIDING HIGH-QUALITY VIDEOS INCLUDING ALL THE DATA FOR PERFORMANCE ENHANCEMENT.

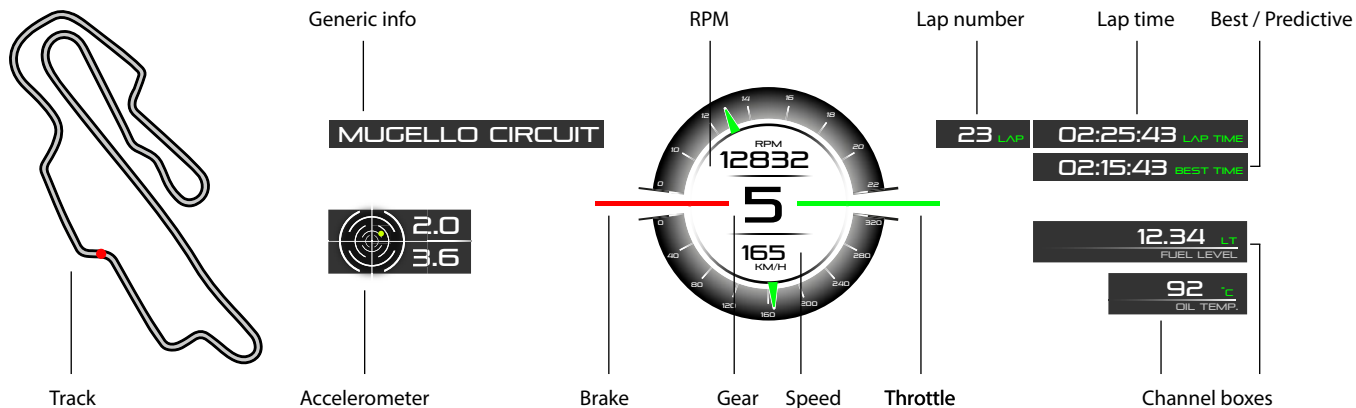
Configurable Overlays

Choose which information to overlay with different styles and graphics elements.

In addition, you can also freely move every element in the screen, no condition at all, it's all up to you.

Access to All Data From Different Sources

- From GPS: track map and vehicle position, as well as speed, lap and split times.
- From Aim loggers connected to your ECU: RPM, throttle, engaged gear, acceleration, pressures, temperatures and additional sensors.



SMARTY CAM4



Automatic Start & Stop

Thanks to automatic start/stop, there's no need to think about the camera while you are ready at the starting line. The SmartyCam 4 Cameras switch on/off and start recording based on RPM or speed condition parameters set by the user.



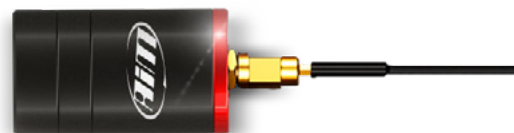
Designed for the Extreme

SmartyCam 4 Cameras are made in machinery moulded aluminium and are IP65 waterproof. They are tested to face strong and prolonged vibrations, continuous rain, dust and extreme temperatures.



ECU Connection

The SC4 range features a second CAN protocol that allows the user to set the ECU Stream of a wide number of supported ECUs.





12 MP CMOS Sensor

The **SmartyCam 4 Corsa** and **GP Dual** feature a new Sony CMOS Sensor with a dedicated processing chip, delivering superior video quality enhanced by the LSI stabiliser.



Smart Sync

In case MP4 data is not enough for your analysis, you can simply import video and data from your Aim Logger and the software will automatically overlay them: position on the track, video frame, and data on the graph will be perfectly synchronised.



Video Output

Go live with ease; the **SmartyCam 4 GP Dual** is equipped with an HDMI interface. Video output delivers smooth 30/60 fps video and audio streaming for instant, high-quality broadcasts.



High Quality with Small Files

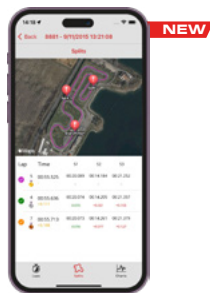
Go live with ease; the SmartyCam 4 GP Dual is equipped with an HDMI interface. Video output delivers smooth 30/60 fps video and audio streaming for instant, high-quality broadcasts.

SmartyCam 4 videos have the same quality as other FHD cameras, but their files are much smaller because the H.264 compression system parameters have been optimised to perfectly balance video quality and file size.



Full Internal Datalogger

All video data received is recorded in .mp4 files. Your USB-C Card contains all the information you need for data analysis. With the USB-C Card you can also send the configuration, and upload tracks to the camera.



The Key to Motorsports Improvement: Data Analysis

Performance in motorsport is built on three core pillars:

Maximising Driver Performance
Monitoring Vehicle Status
Optimising Efficiency

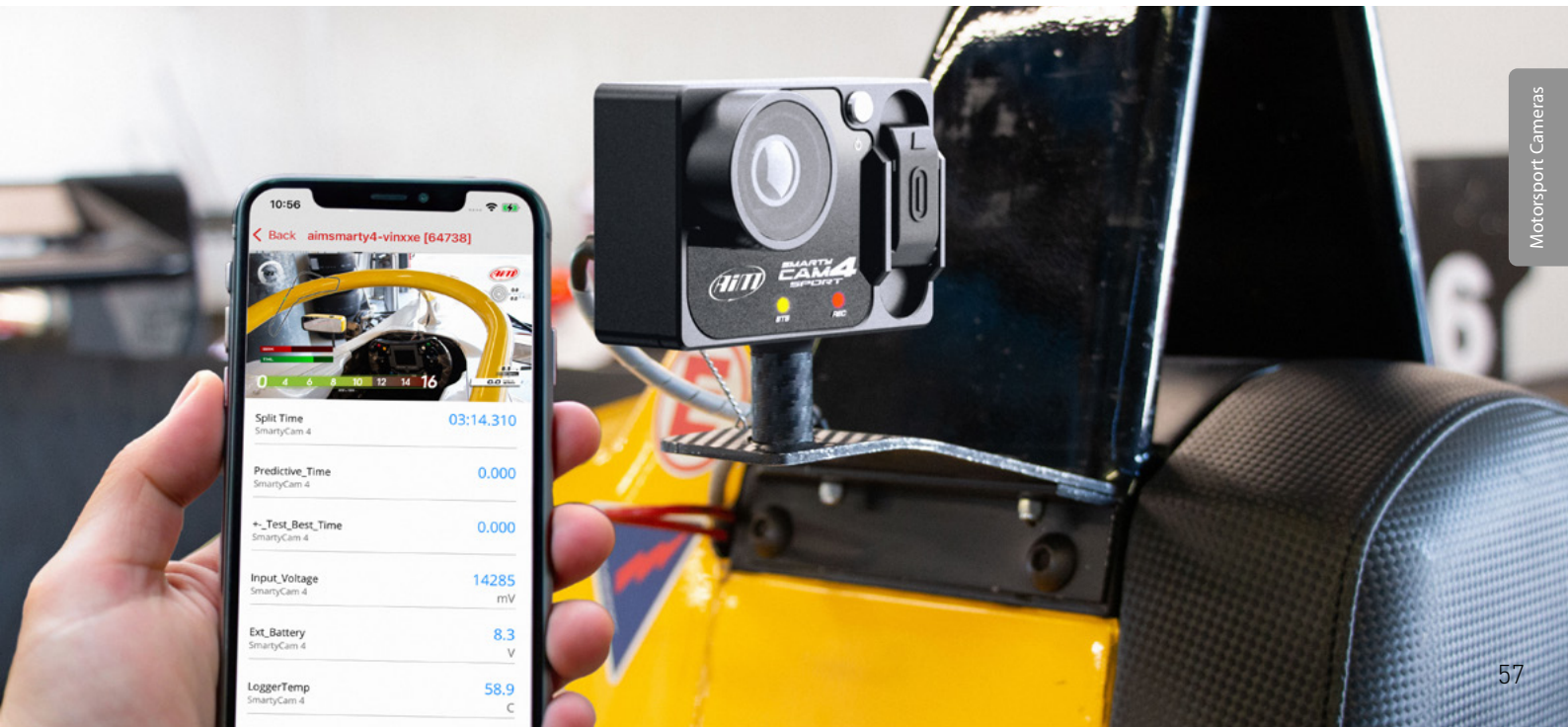
With **SmartyCam 4** Cameras, you gain complete control over these areas. The high-quality footage delivers precise insights into telemetry, racing lines and driver behaviour, essential for professional analysis and performance enhancement while tracking vital data like oil pressure and battery voltage to detect issues early. Data and video analysis help identify setup inefficiencies, guiding more targeted adjustments for peak performance.

After your session, easily split the video into individual laps with one click. Compare laps side-by-side to spot where you gained or lost time, even challenge your best lap against a friend's lap on the same track to push performance even further.

Full Control, Right from Your Smartphone

With the dedicated **Race Studio 3 app**, all camera settings including framing, frame rate, image flip and more, can be easily adjusted right from your smartphone, all at your fingertips.

A wide range of customisation options provides precise control for any track or condition. Additionally, all data from the connected loggers can be viewed in real time on your smartphone when paired with the **SmartyCam 4**.



SMARTY CAM4 CURSA

A Motorsports Camera in Your Pocket

Pick up your SmartyCam 4 Corsa and put it wherever you want: its compact design is perfectly shaped to take up as little space as possible into your racing cockpit.



Key features

- 12 MP Sony CMOS Sensor
- Sony LSI Stabiliser
- 1920x1080 pixels full HD 30-60 fps H.264
- 85° - 110° angle lens
- Internal, rechargeable LiPo Battery
- 9-15 Volt external power
- -10°C/+50°C temperatures working range
- Auto power ON/OFF
- Auto start/stop recording
- USB-C connection
- Internal and external mic
- CAN ECU

Experience Stunning Clarity

Equipped with the latest Sony CMOS Sensor and an onboard ISP Processor, the **SmartyCam 4 Corsa** delivers outstanding image clarity and stability, enhanced by the integrated LSI Stabiliser. The Sony Electronic Image Stabiliser offers key improvements, including reduced vibrations, minimised “jello effect,” corrected lens distortion and enhanced local contrast.

Choose between two different stabilisation setting:

- **Four-wheel** mode optimised for cars, delivering smooth and stable footage.
- **Two-wheel** mode builds on the four-wheel stabilisation and adds horizon lock, preserving the bike's lean angle for a more realistic riding perspective.

Instant Analysis

With the 64 GB USB-C pen drive, downloading your synchronised videos and data takes just seconds. You have instant access to your performance insights between sessions, so you can refine your skills and keep pushing your limits every time you hit the track.



SMARTY CAM4 GP DUAL

Key features

- 12 MP Sony CMOS Sensor
- Sony LSI Stabiliser
- 1920x1080 Full HD 30-60 fps H.264
- 85° / 110° angle lens
- Internal, rechargeable LiPo Battery
- 9-15 Volt external power
- 22-pin Autosport connector + 2 SMA + 1 USB-C
- -10°C/+50°C temperatures working range
- Auto power ON/OFF
- Auto start/stop recording
- 1 Video output HDMI



HQ Videos From Another Perspective

The **SmartyCam 4 GP Dual** is the ideal solution for those who require video recording but have limited installation space. The Aim GP Dual Bullet Camera includes a large rechargeable internal LiPo Battery, and the bullets are **designed for use outside the vehicle**.

It operates in temperatures from -10°C to $+50^{\circ}\text{C}$, with an IP65 waterproof rating to withstand the harshest racing conditions. The **SmartyCam 4 GP Dual** features a 22-pin motorsport connector, two SMA female connectors, and an HDMI output for live video streaming.

The Camera with Bullet Lenses

The **SmartyCam 4 GP Dual** is designed to be installed in open roof vehicles, where it is important that the CMOS is enclosed in a small, waterproof body, to resist the most extreme and severe condition of racing.

The bullet comes with an 85° or 110° angle lens.

The 85° FOV lens is usually adopted in closed roof cars, thus avoiding an excessive view of the cockpit in the video, while the 110° lens is used in open-wheel cars and prototype offering a wide open view of the track.





RS3
RACESTUDIO



Technical specification

	SPORT	CORSA	GP DUAL
Video Format	H.264 1920 x1080 px @ 30 fps	H.264 1920 x1080 px @ 30/60 fps	
Lens	Low distortion lens 67° - 84° - 120°	Low distortion lens 85° - 110°	
Sensor	2 MP Global Shutter	Sony 12 MP CMOS	
Stabiliser	-	LSI Sony for enhanced features	
Connection	USB - Wi-Fi - Bluetooth		
Streaming	via USB or Wi-Fi		via HDMI, USB, Wi-Fi
Internal Battery	Rechargeable LiPo Battery		
External Power	9-15 Volt		
Supported Memory	USB-C Card up to 2TB		
Connectors	2 Binder 712 female 1 USB-C		2 SMA - 1 USB-C - 1 Deutsch 22 pin 1 HDMI - Ethernet
Temp. Working Range	-10°C/+50°C		
Auto Power ON/OFF	Yes		
Auto Start/Stop Recording	Yes		
Body	Anodised Aluminium		
Dimensions	94 x 63 x 28.7 mm	94 x 63 x 28.7 mm	119.0 x 84.9 x 32.0 mm (main unit) 24 diam x 48.2 mm (bullet)
Weight	200 g, battery included	260 g, battery included	Main unit 380 g, battery included
Race Studio 3 App & Software	Yes		
Waterproof	IP65		

Motorsport Cameras

MXsl

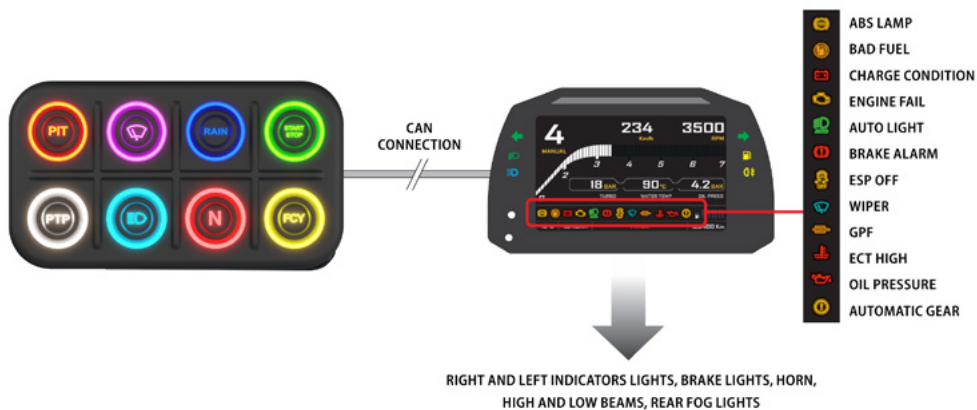
A Powerful and Compact Motorsport Dash

The MXsl is a completely configurable 5" dash controller that, beyond the typical features of a dash; ECU connection, analogue/digital inputs, GPS management etc; offers 10 high-power outputs that can be used for directly powering motors, lights, fans, pumps, electronic devices without needing conventional relays and fuses. The harness is simplified, and the flexibility is unmatched.

Key features

- 5" TFT Display
- 800x480 pixel resolution
- 600:1 contrast
- 700cd/m2 - 1,100 lumen brightness
- Ambient light sensor
- 6 configurable RGB alarm LEDs
- 10 configurable RGB LEDs shift lights
- 2 AMP connectors + 1 binder connector
- ECU connection
- 3 CAN connections
- 8 fully configurable analogue, digital inputs
- Supports expansion modules
- 2 Low-side digital outputs (1A max)
- 8 High-side digital outputs (5A max)
- 2 High-side digital outputs (10A max)





The MXsl detects shortcuts, overcurrents and open circuits, recording the faults for a complete diagnosis and showing, if required, the proper information on the screen. Each output can be configured to be activated by a combination of math channels, analogue/digital inputs, pushbuttons or ECU fields, programming even the maximum absorbed current.



The MXs1 comes as the stock dash controller for all the Dallara Stradale models since 2017.

MXsI DASH CONTROLLER

Display Resolution	800x480 pixels
Contrast	600:1
Ambient Light Sensor	Yes
Shift Lights	10 RGB LEDs
Alarms	6 RGB LEDs
CAN Connections	3
ECU Connections	CAN, RS232 or K-Line
Analogue/Digital Inputs	8 configurable, analogue/digital (0-5 V, 0-12 V) max 1000 Hz each
Speed Input	1
RPM Input	1
Digital Outputs Low Side	2 (max 1 A each)
Digital Outputs High Side	Eight 5 A outputs, two 15 A outputs. Protected Output PWM capable (100 Hz to 400 Hz)
Internal Memory	4 GB
Integrated Data Logger	Yes
Body	Anodised aluminium
Connectors	1 AMPSEAL 23 pin + 1 AMPSEAL 14 pin + 1 Binder 5 pin 712
Power Consumption	400 mA without power output lines active
Waterproof	IP67
Expansions	Optional
Race Studio 3 (Configuration & Analysis Software)	Constantly updated and freely downloadable

PDM32

PDM08

Image shown displays the PDM Kit

Key features

- Integrated Power Distribution Module
 - + 4 GB datalogger
 - + Dash controller
- 5", 6" or 10" Display
- GPS09 Module for automatic lap time and track position
- 3 CAN connectors

PDM32

- 28 High-side outputs
- 4 Half-bridge outputs

PDM08

- 8 High-side outputs





More Than Power Distribution

PDM32 and **PDM08** Power Distribution Modules are designed to distribute power to multiple circuits on your vehicle, easily replacing traditional fuse and relay system.

Aim PDMs are housed in anodised billet aluminium casing. They are designed and manufactured to manage the rigours of motorsports and include a complete professional data logger and internal dash controller.

As the core of vehicle electronics, it simplifies wiring and enhances control.

5", 6" and 10" displays are available for **Aim PDMs**, offering the perfect solution for a complete integrated system.

PDM08



PDM32



Technical specification

	PDM08	PDM32
LEDs	8 RGB LEDs + 1 PDM ON + 1 PDM STS (Status)	32 RGB LEDs + 1 PDM ON + 1PDM STS (Status)
Inputs	6 fully configurable, recorded at max 500 Hz each: analogue (0-5V ; 0-12V)/digital inputs Pullup/Pulldown	14 fully configurable, recorded at max 500 Hz each: 8 analogue (0-5V ; 0-12V)/digital inputs 4 digital inputs 2 Pullup/Pulldown
Power Outputs	1 with series diode rated up to 20 A	4 rated up to 20 A (high side)
Lin Sus	1	
CAN Connection	3	
Internal Memory	4 GB	
External Modules	GT32, GPS09, Channel Expansion, TC Hub, LC1S, LCU2, SmartyCam 3 and 4 Series, Memory Module, Keypad Series	
Connectors	1 AMP connector + 1 Amphenol Surlok connector + 1	2 AMP connectors + 2 Binder connectors + 1 Amphenol
Body	Anodised Aluminium	
Dimensions	161 x 100.6 x 50.6mm	223.0 x 94.6 x 49.5mm
Weight	370 g	760 g
Waterproof	IP65	

EPM32 EPM08

EPM32/08 are two expansions dedicated to:

- MX 1.2/1.3 and Strada Series
- PDM08
- PDM32

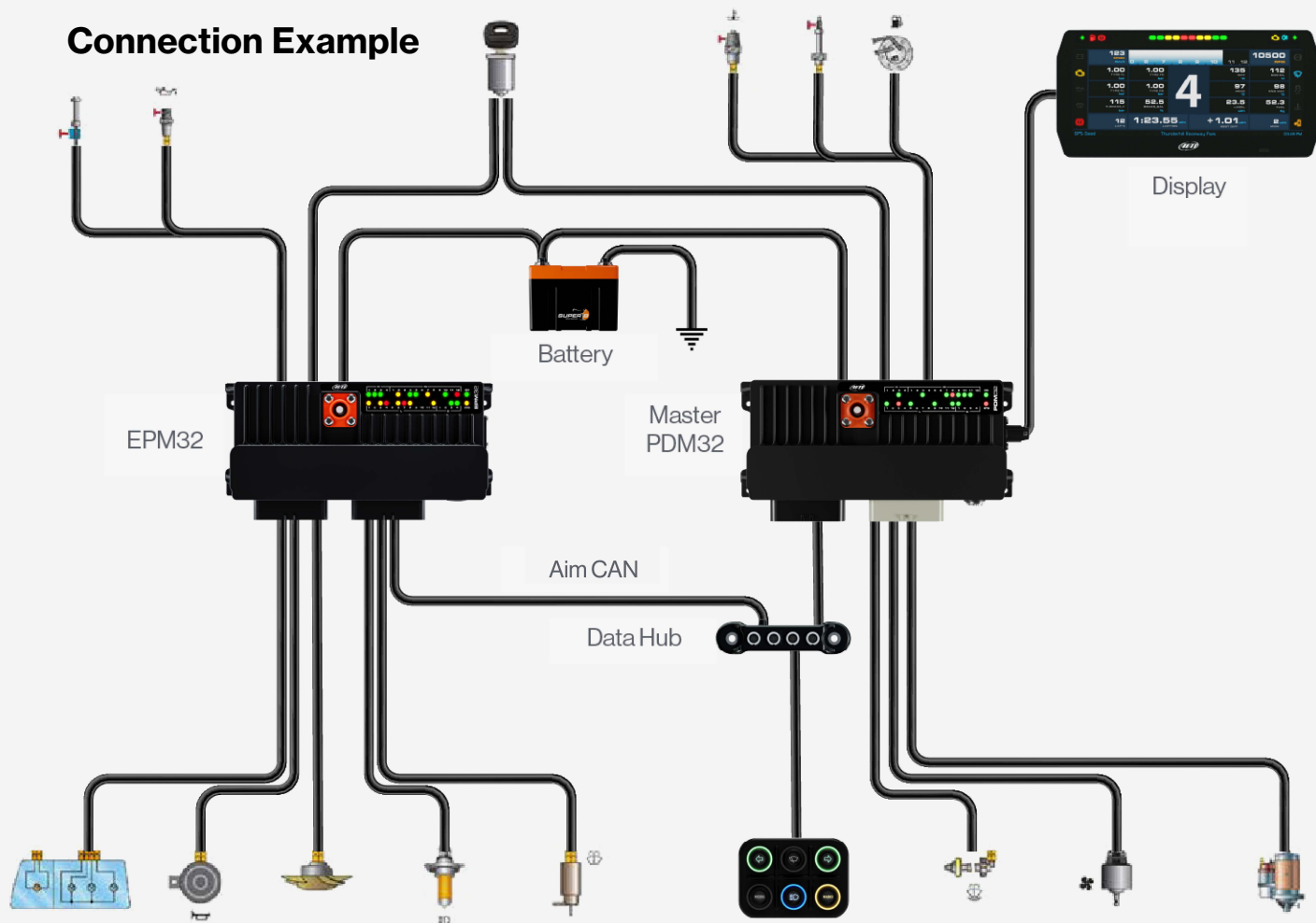
With **EPM32** and **EPM08** your system will have completely configurable power outputs, digital and analogue inputs.

Key features

- RGB LEDs
- Analogue/digital inputs
- Power outputs
- AMP and amphenol surlok connectors



Connection Example





Technical specification

	EPM08	EPM32
LEDs	8 RGB LEDs + 1 EPM ON + 1 EPM STS (Status)	32 RGB LEDs + 1 EPM ON + 1EPM STS (Status)
Inputs	6 fully configurable analogue inputs (0-5V ; 0-12V) recorded at max 500 Hz each digital inputs pullup/pulldown	12 inputs (8 configurable analogue or digital, 4 digital only) Up to 8 analogue inputs recorded at max 500 Hz each Up to 12 digital inputs pullup/pulldown
Power Outputs	1 with series diode rated up to 20 A 1 rated up to 25 A 6 rated up to 15 A Protected for: over voltage, under voltage, over current, over temperature All outputs have internal freewheeling diode Total max current: 100 A	4 rated up to 20 A (high side) 12 rated up to 15 A (high side) 12 rated up to 10 A (high side) 4 rated up to 35 A (high side/half bridge/low side/configurable PWM at max 500 Hz) Protected for: over voltage, under voltage, short circuit, over current, over temperature Total max current: 120 A
Connectors	1 AMP connector 1 Amphenol Surlok connector	2 AMP connectors 1 Amphenol Surlok connector
Body	Anodised Aluminium	
Dimensions	161 x 100.6 x 50.6 mm	234.4 x 95.1 x 49.0 mm
Weight	370 g	740 g

MBS

Main Battery Switch

The **MBS** is a next-generation electrical safety cut-off system, specifically designed for the rigours of professional motorsports applications.

Engineered to meet and exceed FIA, SFI and national motorsports regulations, it ensures instant and reliable shutdown of the vehicle's electrical system in case of emergency or needs, such as:

Key features

- **External controls**
- **Integrated IMU detects crashes or pre-programmed dangerous conditions**
- **External signal or CAN command triggers battery disconnection**

The MBS primary goal is to ensure vehicle and driver safety by isolating and disconnecting the electrical system.

- **Total Power Isolation:** Instantly disconnects the battery and electronic control circuits to prevent electrical fires and short circuits.
- **Programmable:** via USB or CAN.



The new **MBS** is available in two versions, aimed at covering the different needs of the market:

- 300 A
- 150 A



Technical specification

	MBS - 300 A		MBS - 150 A
Voltage Range	6 V – 19 V, 28 V transient		
Operating Temperature Range	- 20°C +85°C		
Current Capability	300 A continuous, peak up to 1,000 A		150 A continuous, peak up to 600 A
Current Measurement Resolution	3 A		
Current Measurement Range	-1,000 A to 1,000 A		-600 A to 600 A
Current Measurement Accuracy	± 5%		
Inductive Load Switching Capability	600 mJ		
High Current Terminal	Surlok connector		
Signal Connector	Autosport ASX202-06PN (mating plug ASX602-06SN included)		
Power Save State Current Consumption	<5 mA		
Digital Output	1 configurable active high/low		
Digital Input	1 configurable active high/low + 1 active low		
CAN Bus Connection	1 configurable		
USB-C Connector	1		
Body	Anodised aluminium		
Dimensions	119.0 x 69.0 x 41.2 mm		99.0 x 64.0 x 38.7 mm
Weight	400 g		320 g
Waterproof	IP67		

SW4 270

The Steering Wheel with an Integrated Datalogger

The **SW4 270** evolves into a new, advanced, and optimised version: even more resistant, featuring enhanced technical specifications, improved ergonomics and three available variants.

The **SW4 270** remains one of the most versatile steering wheels on the market, thanks to its compatibility with a wide range of ECU protocols and its integrated data-logging functionalities.

Key features

- 4 GB datalogger
- Easy connection to more than 2,000 ECUs
- 8 configurable pushbuttons - CAN output
- 2 free contacts pushbuttons
- 3 configurable rotary switches - CAN output
- 2 Carbon fibre shift paddles - CAN output and free contacts
- Configurable display pages
- Shift lights
- Multiple expansions
- Deutsch 22-pin connector





Improvements:

- More resistant and lightweight construction material: polymer and carbon front panel, HBNR hydrocarbon resistant compound, CNC-machined aluminium base.
- Enhanced ergonomics: all buttons and rotary switches are within thumb reach.
- Reduced and optimised thickness profile of the lower area.
- Available in 3 versions: 0 / 1 / 3 rotary switches.
- Available with two connector options.

SW4270



SW4 270	
Diameter	Ø 270 mm
Display	4.3" TFT
Resolution	800x480 pixels
Contrast	800:1
Brightness	800 cd/m2 - 1,100 Lumen
Ambient Light Sensor	Yes
Alarm Display Icons	Yes, configurable
Shift Lights	8 configurable RGB LEDs
Alarm LEDs	4 configurable RGB LEDs
CAN Connections	3
ECU Connection	CAN
ECU Compatibility	2,000+ industry leading ECUs
CAN Expansions	GPS Module, SmartyCam, ACC3, LCU Module, Shift Lights Module
Internal Memory	4 GB
Body	Anodised Aluminium + Carbon fibre forged composite
Pushbuttons	10 pushbuttons + 3 rotary switches with RGB backlights
Connectors	1 Autosport 22-pin male 1 Autosport 13-pin male
Dimensions	270 x 189.5 x 38.2 mm
Weight	1,400 g
Power Consumption	500 mA
Waterproof	IP65

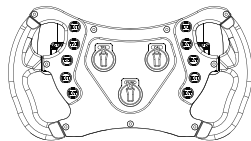


The Electronic Steering Wheel

The **GT32** Steering Wheel transmits in a freely configurable CAN connection the status of the 8 pushbuttons (while two of them feature free contacts connections), 3 rotary switches and paddles.

Completely configurable pushbuttons:

- **Momentary**
- **Toggle**
- **Multistatus**



Ø 320

ROTARY SWITCHES

CARBON FIBRE PADDLES





CONFIGURABLE LEDs
PUSH BUTTONS

Custom Backlighting

RGB LEDs can be managed through math channels according to the status of the pushbuttons and/or the feedback coming from external devices. They can be solid or blinking at two frequencies and at the preferred light level brightness. Moreover, paddle shifts feature free contacts on a dedicated pin of the Autosport connector too.

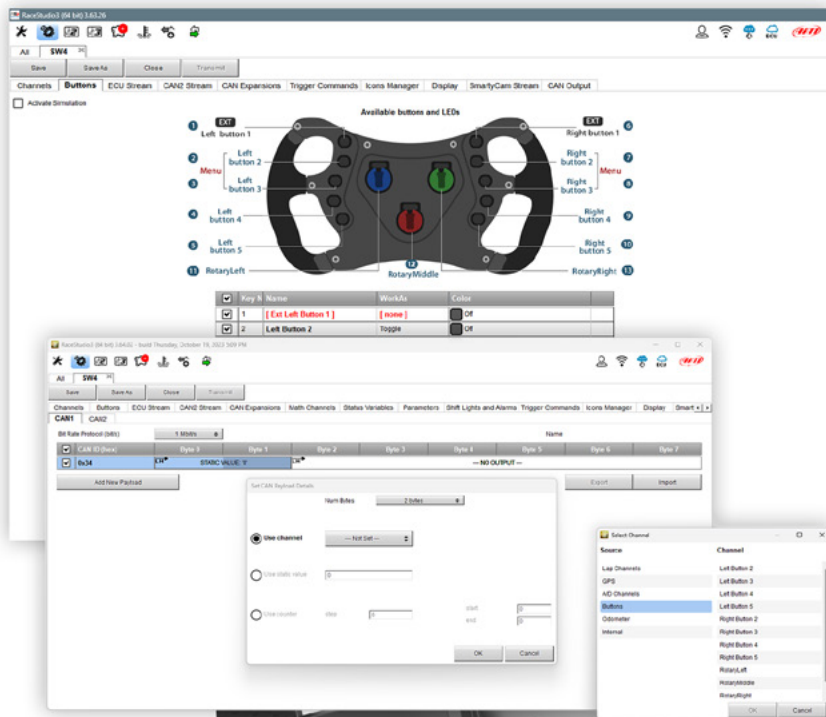
Available as an Aim expansion or as a completely standalone device.



Pushbuttons Configuration

The RGB LEDs behind all 10 pushbuttons and the backlit multi-position switches are designed to instantly find the right input in the heat of competition.

Every single LED can be fully programmed through Race Studio 3; they can work as momentary, toggle or multistatus and each option can be configured depending on the length of time the button is pressed or on other conditions according to any specific needs.



AUTOSPORT 22-PIN
MALE CONNECTOR

GT32	
Diameter	Ø 320 mm
CAN Connections	1
Body	Anodised Aluminium
Pushbuttons	10 pushbuttons with RGB backlights
Rotary Switches	3 rotary switches with RGB backlights
Connectors	1 Autosport 22 pin male connector
Dimensions	320 x 176 x 43 mm
Weight	2,600 g
Power Consumption	500 mA
Waterproof	IP67



Steering Wheels

PYTHON SERIES

The Multi-Cylinder ECU

Experience the next generation of engine management with the new **Python Multi-Cylinder ECU Series**.

The new **Python ECU** represents the foundation, the core “zero project” from which all subsequent developments originated. Designed to deliver robust performance, scalability and reliability, Python serves as the base architecture for our advanced ECU family.

- **Python L**, designed exclusively for Legend Cars. Featuring custom hardware and firmware, it allows drivers to unlock the full potential of their 3-injector configurations.
- **Python P**, developed for the Polaris RZR ProR, extends the same technology to a 4-cylinder setup, built to meet the demands of the off-road passionate drivers.



Python L

Exclusively designed for **Legend Cars**

Next Level Engine Management

The result is a modular and adaptable ECU platform that combines technical precision with application specific optimisation, a benchmark in flexibility and performance for modern automotive control systems.



Python

Multi-Cylinder Plug & Play ECU
customisable for up to 4-stroke engines



Python P

Exclusively designed for **Polaris RZR Pro**



Multi-Cylinder ECU for Legend Cars

Python L is the new plug & play ECU developed specifically for **Legend Cars**, fully customised for their engines:

- **MT09: 890cc**
- **FZ07: 850cc**

Thanks to its advanced technology, it allows drivers to unleash the full power of their car. The unit has been specifically engineered for this type of engine, which features 3 saturated injectors.

Key features:

- Direct control of up to 3 ignition coils
- Integrated barometric pressure sensor
- Advanced tuning capabilities, including 4 digital inputs, 3 temperature inputs and a full dedicated sensor linearisation for Legend applications
- Drive-by-wire
- Aluminium housing

In addition, a dedicated **MXm** has been developed to ensure the best possible data acquisition and to help drivers achieve optimal performance.





Multi-Cylinder ECU for Polaris

The **Python P** is a new project that started development in September 2025, carried out in just a few months by Aim R&D, hardware and firmware departments.

This plug & play ECU has been designed for the Polaris RZR ProR equipped with a 4-cylinder engine; the race car that will officially compete at the **King of the Hammers 2026**.

It has been engineered for the **"2Prostar Fury 2.0"** engine of the **Polaris RZR ProR**, with the goal of unleashing its full power.

Key features:

- 4 saturated injectors
- 4 coil power drivers
- Advanced unit capabilities, including 9 analogue inputs, 2 temperature inputs and 1 differential crank position sensor (VRS)
- Drive-by-wire
- Aluminium housing

Built for peak performance in the most extreme off road conditions, the Python P ECU redefines innovation and precision for those who drive beyond limits.



	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 analogue 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
Dimensions	122.3 x 120 x 40.4 mm
Weight	450 gr
Waterproof	IP67
Lambda	Internal wide band lambda controller
Inertial Platform	Internal 6 DOF IMU (3x accelerometers, 3x gyro) for pitch and roll
Sensor	Internal barometric sensor
Datalogger	Internal memory

PYTHON L	PYTHON P
• 3 saturated injectors (12Ω) • 3 coil power driver (21A, 390V, 300 mJ) • MRD low side (main relay driver max 0.6A) • 1 high side 5A • 1 H-BRIDGE (DBW) 8.3A • 2 Vref (5V, 100 mA) • 7 low side (6 @ 4A, 1 @ 2.2A)	• 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 high side 0.6 A • 1 H-BRIDGE (DBW) 8.3A • 2 Vref (5V, 100 mA) • 8 low side (7 @ 4A, 1 @ 2.2A)
• 1 differential crank position sensor (VRS) • 3 digital frequency input (2 speed , 1 cam sync) VRS/HALL • 1 key input • 4 digital input, close to GND • 9 analogue inputs (8 inputs 0-5V, 1 input 0-12V) • 3 temperature inputs 50 Ω-100K Ω	• 1 differential crank position sensor (VRS) or 1 HALL crank position sensor • 2 digital frequency input (1 speed , 1 cam sync) VRS/HALL • 1 key input • 5 digital input, close to GND • 9 analogue inputs (8 inputs 0-5V, 1 input 0-12V) • 2 temperature inputs 50 Ω-100K Ω • 1 knock sensor
2 CAN busses (1 for calibration, 1 for datalogger/dashboard)	3 CAN busses (1 for calibration, 1 for datalogger/dashboard, 1for chassis)
APTIV/DELPHI 64 contacts	2 x 56 contacts connectors + 2 Binder 712 female connectors
122.3 x 120 x 40.4 mm	142.7 x 117.9 x 48.4 mm
450 gr	450 gr
IP67	IP67
Internal wide band lambda controller	Internal wide band lambda controller
-	Internal 6 DOF IMU (3 x accelerometers, 3x gyro) for pitch and roll
Internal barometric sensor	Internal barometric sensor
Internal memory	Internal memory

TAIPAN SERIES

The Powerful ECU for MX Bikes

Engine control demands precision. At 20,000 RPM, the Taipan ECU delivers 1/10° accuracy – just 0.8 μ sec for spark timing. It supports advanced features like quick shift, launch control, traction control, and second injectors.

Aim ECUs key features:

- Fully plug & play
- More power at the wheel
- Up to five selectable maps
- Launch control
- Advanced strategies
- Advanced base maps
- Extra analogue inputs
- Extra digital outputs



4-STROKE until 2023
YAMAHA MX Bikes



4-STROKE after 2023
YAMAHA MX Bikes



4-STROKE MX Bikes
DUCATI **NEW**
HONDA
HUSQVARNA
KTM
GASGAS
KAWASAKI



Two analogue inputs handle external sensors (e.g. barometric pressure), and two digital outputs allow for devices like a second injector or electronic water pump.



TAIPAN B

4-STROKE MX Bikes
BETA

NEW

TAIPAN K

2-STROKE MX Bikes
KTM
Husqvarna
GASGAS



Motocross ECUs

HBS2 - Handlebar Switch (Second Generation)

This switch is a worthwhile upgrade for riders who like tinkering and fine-tuning the engine performance.

Gain easy access to all five included maps, plus more.

For riders with modified engines, the on-the-fly fuel trim functionality allows real-time richening or leaning of the fuel mixture exactly where and when it's needed. With the new HBS2, Aim optimised the pushbuttons for a quick and easy setup. This updated version features two extra pushbuttons and a more ergonomic shape. Plus, HBS2 allows the management of quick shifting on factory-equipped bikes.

Unlock the Power

The base map makes the bike immediately more efficient than the original map of the OEM control unit, but with the **UC-Bridge**, the dedicated add-on for Aim ECUs, every rider has much more control on every aspect and can tailor the engine power exactly to their needs, managing the following:

- **Advanced Strategies**

Strategies can be configured for second injectors, quick shift, launch control, traction control and all the important parameters for the rider.

- **Extra Analogue Inputs**

2 analogue inputs to manage external sensors to improve the bike performance, such as barometric air pressure.

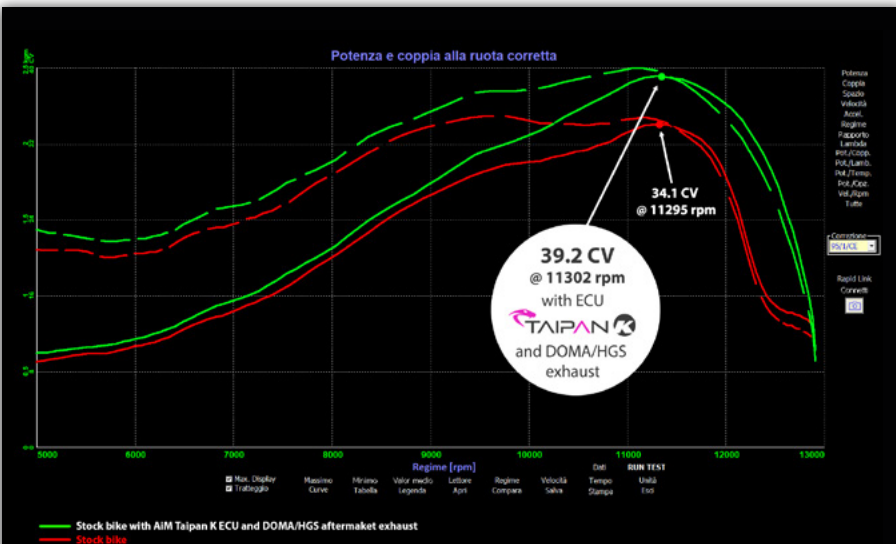
- **Extra Digital Outputs**

2 additional outputs, one dedicated to a second injector and another free to add another additional device, for example, a water pump.



Base Map Comparison

The chart below shows a dyno comparison between a stock MX bike and the same motorcycle equipped with an **Aim Taipan K ECU** and an aftermarket exhaust system, showing consistent improvement across the entire range, improved mid to high RPM, improved torque and throttle response, and power delivery becomes more linear due to optimised fuel and ignition mapping.



FULL CONTROL. EVERY RIDE.



Spark Mobile App



Taipan ECU



HBS2 Handlebar Switch

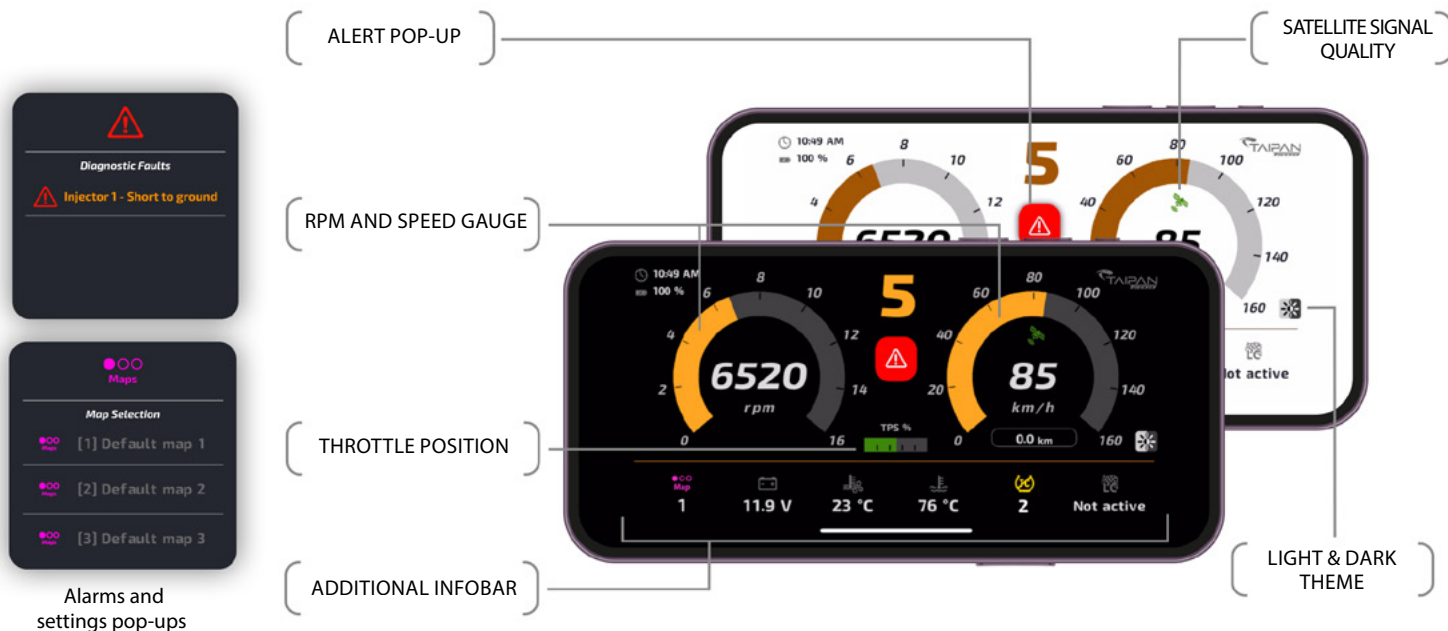


CAN-WIFI Module / XLog



Spark Live Dash

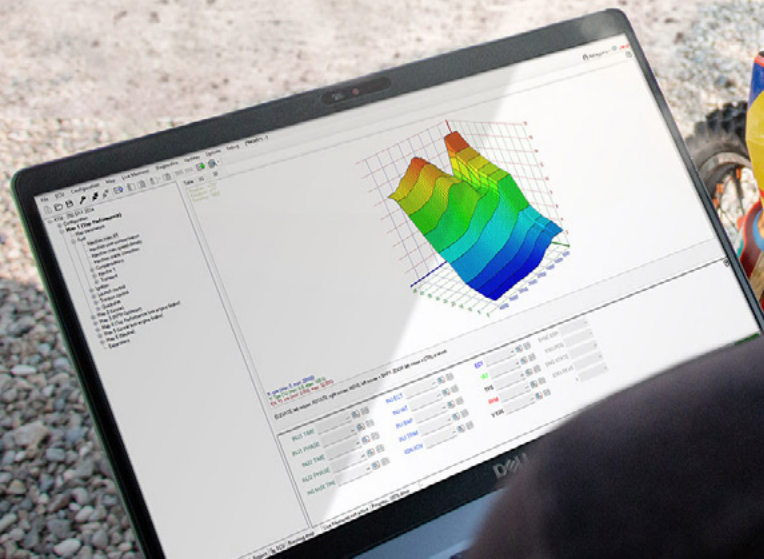
Thanks to the new CAN-Wi-Fi Module it is possible to connect your ECUs (all models are compatible) to the Spark live dash, the app that allows you to change maps and other parameters, providing a clear dashboard with key data plus warnings and alarms for instant and complete engine control. Available for Apple iOS® and Google Android® smartphones.



SPARK

Simple to Use. Powerful in Action.

SPARK is the intuitive software that lets you manage, customise, and fine-tune your bike's performance. From map management to traction control, **SPARK** puts advanced tuning at your fingertips.



Additional Inputs

Additional Outputs

CAN Connectors

Connectors

Inertial Platform

Power Consumption

Body

Dimensions

Weight

Waterproof

Features in addition to the stock ECU

Technical specification

TAIPAN	TAIPAN Y	TAIPAN Y V2	TAIPAN B	TAIPAN K
Two 0-5V analogue inputs sampled @ 1,000 Hz each, could be alternatively used as switch to ground	Two 0-5V analogue inputs sampled @ 1,000 Hz each, could be alternatively used as switch to ground	Two 0-5V analogue inputs sampled @ 1,000 Hz each, could be alternatively used as switch to ground	Two 0-5V analogue inputs sampled @ 1,000 Hz each, could be alternatively used as switch to ground	Two 0-5V analogue inputs sampled @ 1,000 Hz each, could be alternatively used as switch to ground
Second injector driver for high impedance saturated injectors (12Ω) One low side driver (1A)	Second injector driver for high impedance saturated injectors (12Ω) One low side driver (1A)	Second injector driver for high impedance saturated injectors (12Ω) One low side driver (1A)	One low side driver (1A)	One low side driver (1A)
2 CAN bus, one for calibration purposes, one for expansions	2 CAN bus, one for calibration purposes, one for expansions	1 CAN bus for calibration purposes	1 CAN bus for calibration purposes	1 CAN bus for calibration purposes
1 JST 04T-JWPF-VSLE-S 1 JST 08R-JWPF-VSLE-D 1 JST 04R-JWPF-VSLE-S 1 33 pin male	1 JST 04T-JWPF-VSLE-S 1 JST 08R-JWPF-VSLE-D 1 JST 04R-JWPF-VSLE-S 1 39 pin male	1 JST 04T-JWPF-VSLE-S 1 JST 08R-JWPF-VSLE-D 1 39 pin male	1 JST 04T-JWPF-VSLE-S 1 JST 08R-JWPF-VSLE-D 1 36 pin male	1 JST 04T-JWPF-VSLE-S 1 JST 08R-JWPF-VSLE-D 1 64 pin male
-	-	-	-	IMU + Pitch/Roll
150 mA	150 mA	150 mA	150 mA	150 mA
PA6 + 30% glass fibre	PA6 + 30% glass fibre	PA6 + 30% glass fibre	PA6 + 30% glass fibre	PA6 + 30% glass fibre + EPDM cover
89.4 x 75.4 x 29.3 mm	73.9 x 95.1 x 30.4 mm	64.5 x 59 x 29.5 mm	109.5 x 53.7 x 32.8 mm	118.5 x 111.5 x 40.8 mm
260 g	230 g	150 g	130 g	310 g
IP67	IP67	IP67	IP67	IP67



The ECU Designed and Developed for the ATV World

The **Yarara** is the aftermarket plug & play ECU developed by Aim, exclusively designed for ATVs.

Thanks to its high technology 32-bit core, YARARA is the best solution to improve the performances of your ATV.

Key features

- **Plug & play**
- **High technology 32-bit core**
- **Advanced base map**
- **Up to five selectable maps**
- **Advanced strategies**
- **More power at the wheel**

Yarara is specifically designed for
ATV Yamaha YFZ450R model years
2021-2025.



Full Control in Your Hands

This upgraded Handlebar Switch is ideal for riders who enjoy fine-tuning engine performance. It offers quick access to all 5 maps (and more), plus on-the-fly fuel trim for modified engines. The HBS2 features 4 pushbuttons and 11 LEDs managing the following settings:

- **RUNNING MAP CHANGE**
- **FUEL CORRECTIONS**
- **TRACTION CONTROL**
- **LAUNCH CONTROL**

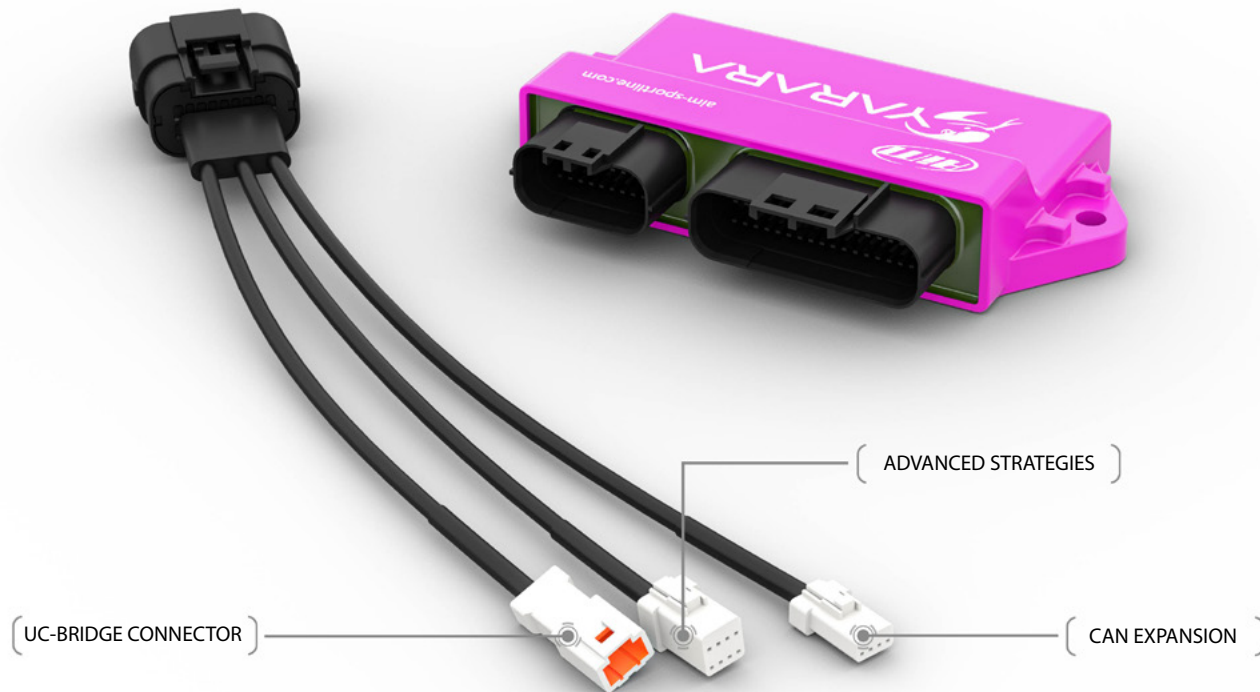


HBS2 Handlebar Switch



Fulfil Your Needs with the Yarara Secondary Harness

The Secondary Harness is a useful add-on to express the full potential of Yarara. If you would like to connect a logger, the HBS2 Handlebar Switch, a quick shifter, spare analogue channel, input channel, spare low-side output or use the dedicated Spark software, for which you will need the Secondary Harness.



	YARARA
Additional Inputs	Two 0-5V analogue inputs sampled @ 1,000 Hz each, could be alternatively used as switch to ground
Additional Outputs	One low side driver (1A)
CAN Connectors	2 CAN bus, one for calibration purposes, one for expansions (Aim Handlebar Switch, Dataloggers, Dashes, etc.)
Power Consumption	150 mA
Connectors	n.1 JAE male 18 pin n.1 34 pin male
Body	PA6 + 30% glass fibre
Dimensions	141.5 x 84.3 x 26.9 mm
Weight	370 g

Shift Light Module

Your Shift Lights Where You Wish

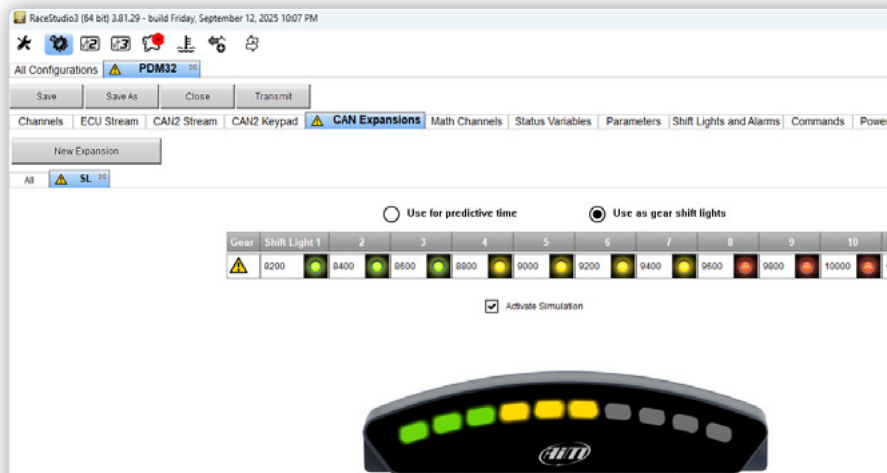
There are ten completely configurable RGB LEDs to keep your engine under control.

You can easily set the LED colour and the RPM threshold value that turns it ON, as well as the gear number.

The **Shift Light Module** is CAN compatible with the following Aim systems:
EVO6, EVO6L, MX Series, PDMs.

Key features

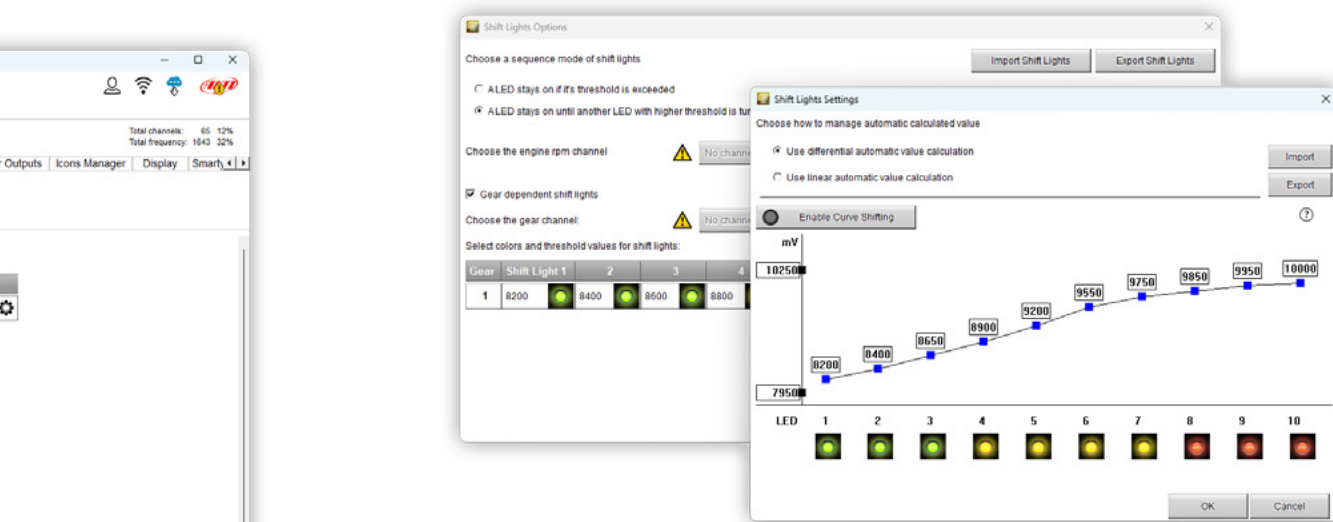
- **10 configurable RGB LEDs**
- **CAN connection to Aim loggers and dash loggers**
- **Dimensions: 116 x 27 x 17 mm**
- **Weight: 70 g**
- **Waterproof: IP65**



LED Gear or Predictive

You can configure the **Shift Light Module** to function as a Gear LED bar, allowing you to see the optimal moment to shift. Alternatively, it can be set up as a predictive lap timer, where the LED bar turns green when you're improving your best lap time and red when your performance drops. Both LED colours and timing sensitivity are customisable.

	Shift Light Module
Compatibility	MX series, PDMs, EVO6, EVO6L
Dimensions	116 x 27 x 17 mm
Weight	70 g
Waterproof	IP65



GpS09

The **GPS09** has the following features:

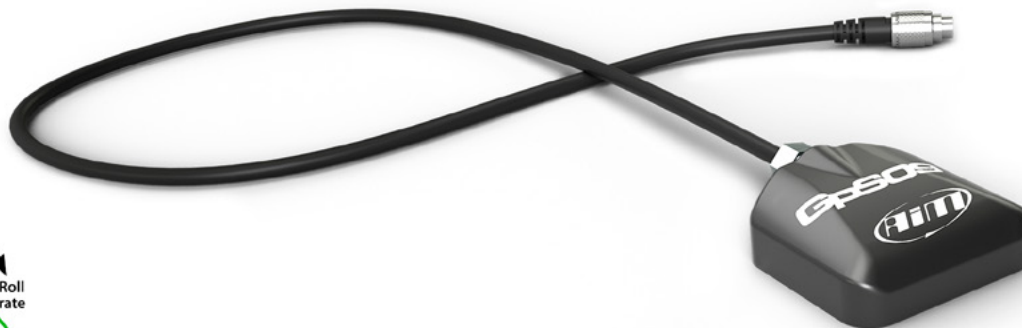
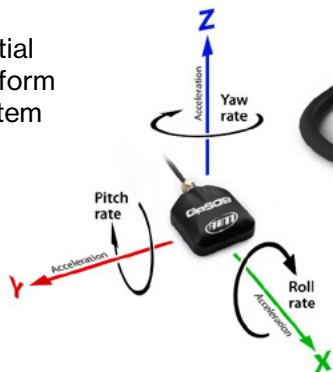
- four constellations: GPS, GLONASS, Galileo, BeiDou
- 25 Hz
- 0.5 mt CEP accuracy
- 30 seconds cold start TTFF
- 1 second hot start
- Internal 22 mm antenna



Roof version

The **GPS09 Pro** adds an internal 100 Hz 6 axis IMU to the features proposed by GPS09

Inertial
Platform
System



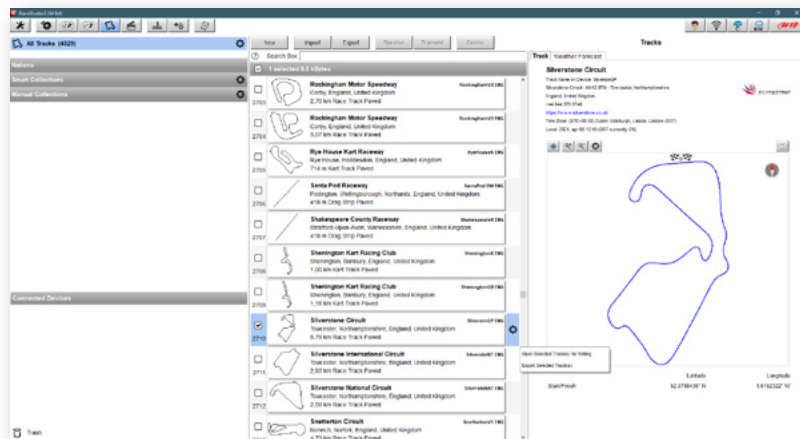
Standard version

Track Database

Every lap and split time calculation from all Aim systems is courtesy of our GPS09 technology. It comes with start/finish line coordinates of more than four thousand tracks, so your dash or logger automatically recognises the track you are racing on, and will calculate lap times and split times.

What if the Track is not in the Database?

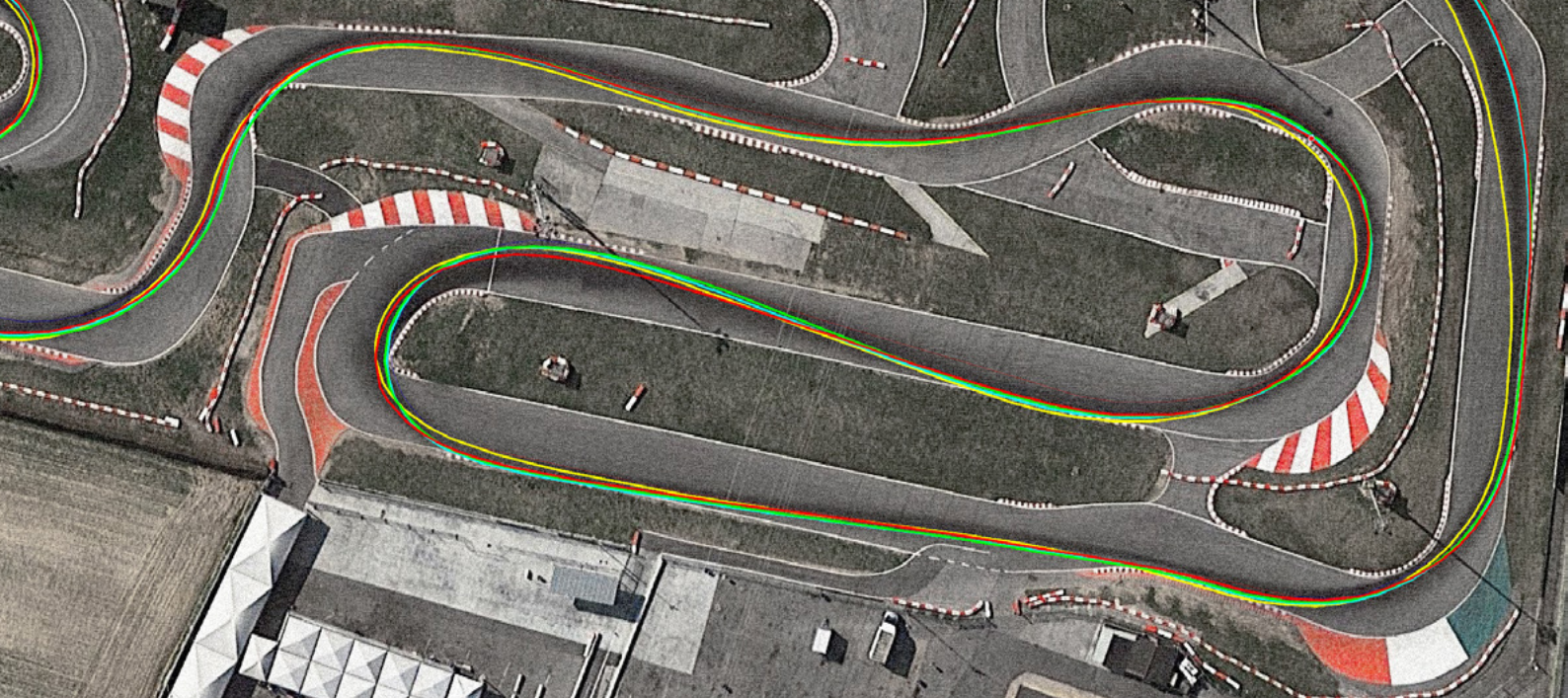
No problem, your system will recognise a new track. and then will calculate lap times.



Both **GPS09** and **GPS09 Pro** have been developed in two different mechanical versions: Standard and Roof.

Vehicles with a carbon fibre roof or reduced glass surface may limit the GPS signal: the roof version is specifically designed to avoid signal loss.





Open Version

The **GPS09** 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 specification

	GPS09	GPS09 Pro	GPS09 Open	GPS09 Pro Open
GPS	25 Hz			
Constellation	4 (GPS, GLONASS, Galileo, BeiDou)			
Accuracy	0.5 m CEP			
Cold Start	30 seconds TTFF			
Hot Start	1 second			
Antenna	Internal, 22 mm			
External Power	5÷15 V			
Connection	Aim CAN		CAN, RS232	
Inertial Platform	-	6 axis, 100 Hz	-	6 axis, 100 Hz
Dimensions	53.2 x 53.8 x 19.7 mm (53.2 x 53.8 x 37.2 mm for Roof Version)			
Weight	60.5 g (100 g for Roof Version)			



ACC3

ACC3 is the new, compact **Analogue CAN Converter**.

It manages 4 analogue inputs:

- Thermocouples
 - Thermoresistances
 - 0-5V
 - 0-12V
- to a max frequency of
1,000 Hz each



Split Harness

ACC3 supports configuration with five selectable split harness variants, allowing customisation based on application requirements. It accommodates up to four thermocouples or four analogue input channels, compatible with 0-5V or 0-12V signal ranges.

SYSTEM CONNECTION EXAMPLE

SOLO2 DL
Laptimer Data Logger

RS3
RACESTUDIO

4-Analogue
Channels Split
Harness



ECU
+ POWER



ACC3

Analogue CAN Converter

ECLIPSE

Linear Potentiometers



Temperature and
Pressure Sensors

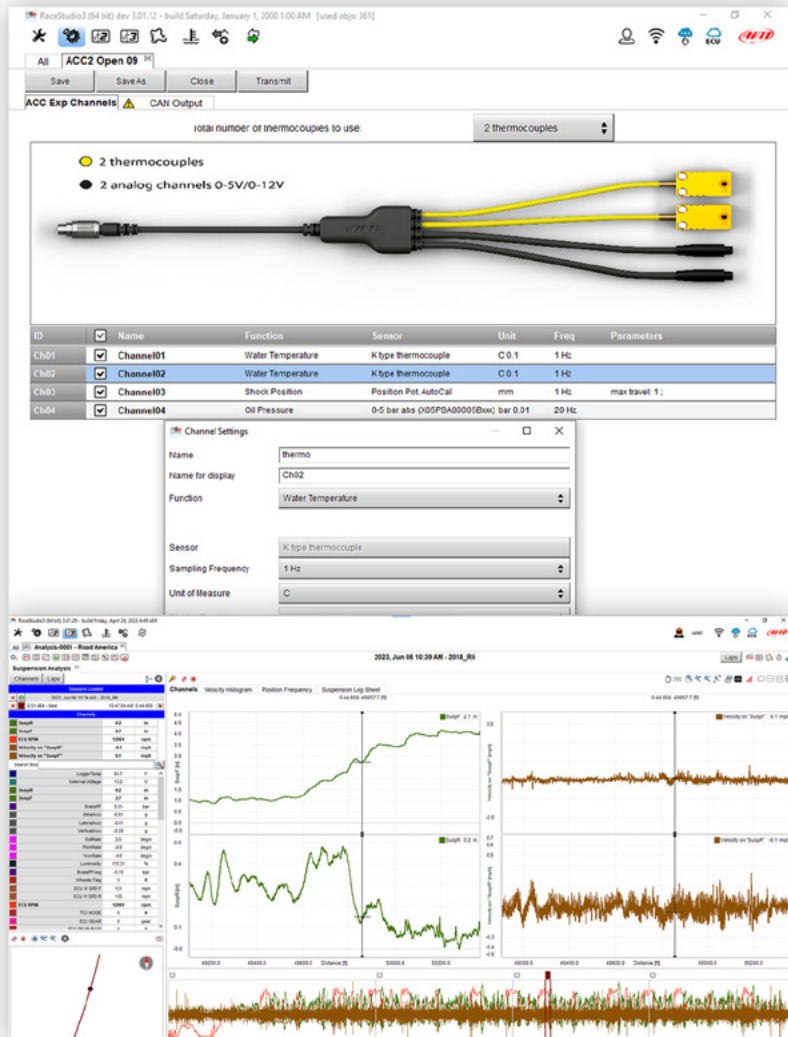
Open Version

The **ACC3** 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.

RS3 Suspension Analysis

The **ACC3** can be connected to Eclipse Sensors. All the acquired data by the Aim Linear Potentiometer can be managed through the new **Suspension Analysis Tool** in **Race Studio 3**, for an even more complete performance analysis software.



	ACC3	ACC3 Open
Analogue Channels	4 fully configurable channels, max 1 kHz each: TC, TR, 0÷5 V, 0÷12 V	
External Power	9÷15 V operational 12÷15 V fully operational	
Connection	Aim CAN	CAN, USB
Connectors	5 pin Binder 712 female - 7 pin Binder 712 female	
Materials	PA6 30% glass reinforced	
Dimensions	44.0 x 38.0 x 19.8 mm	
Weight	50 g	
Waterproof	IP65	



LCU1S

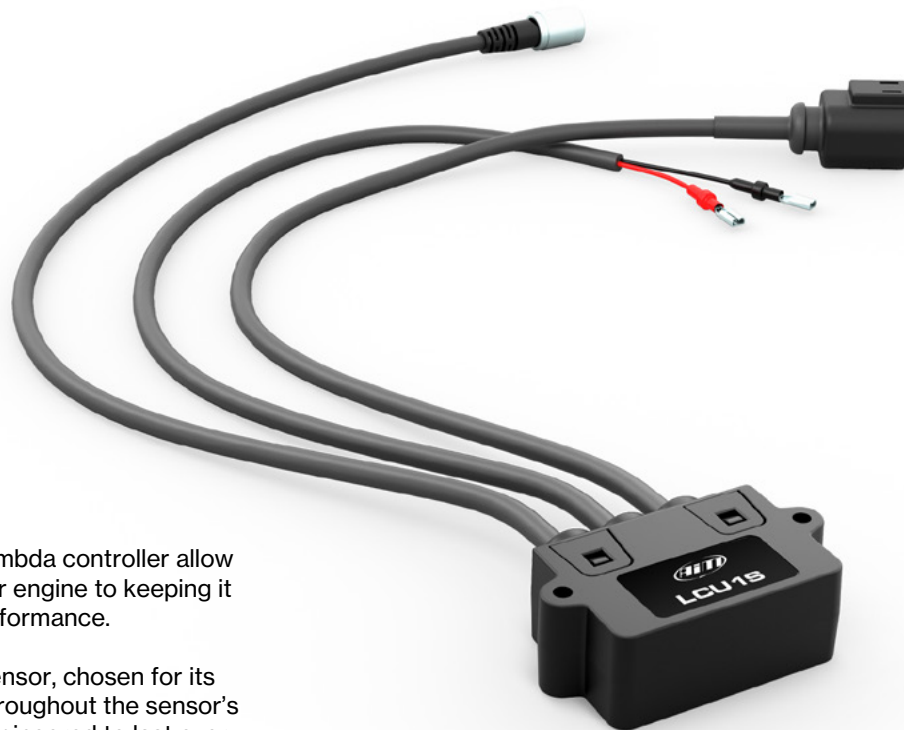
LCU2

NEW

Full Control of Your Engine

The **LCU1S** and the new **LCU2** CAN Lambda controller allow to perfectly tune the carburetion of your engine to keeping it at its best and improve the engine's performance.

They use a wideband Bosch LSU 4.9 sensor, chosen for its ability to retain its original calibration throughout the sensor's lifetime. The Bosch LSU 4.9 probe is engineered to last over 100,000 km under standard vehicle operating conditions.



LCU1S

SMALLER, LIGHTER, FASTER.



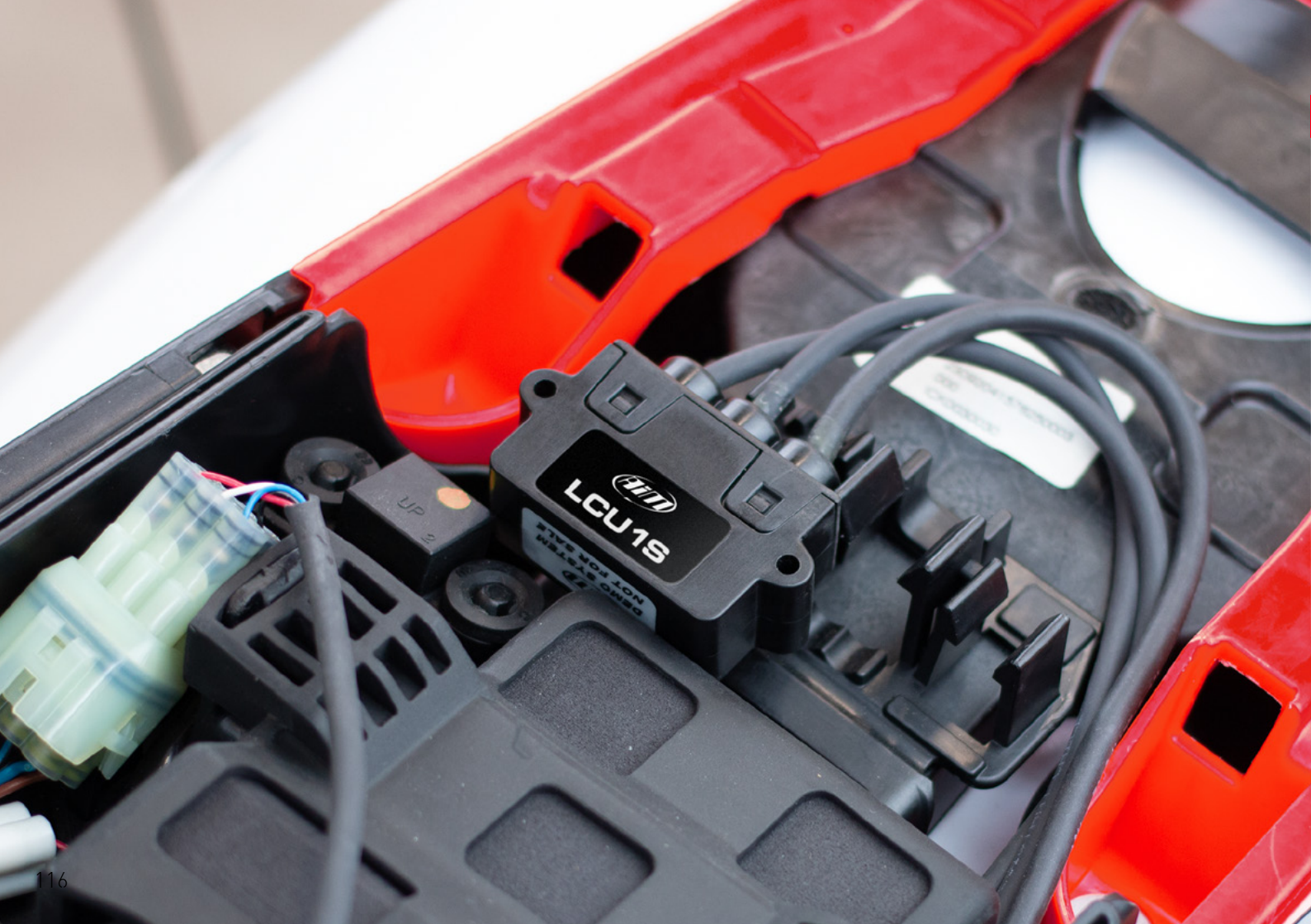
LCU2

Precision and Reliability

The **LCU1S** and **LCU2** accurately measure Lambda value from 0.65 to 1.6, ideal for precise engine tuning. By analysing oxygen levels, they detect carburetion issues and support both 2-stroke and 4-stroke engines. Configurable stoichiometric ratio enables use with petrol, diesel and alternative fuels. With the new **LCU2** it's now possible to connect two Lambda probes, providing even more accurate monitoring and control.

Open Versions

The **LCU1S** and **LCU2** are 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. The "Open Versions" can also be used as **Aim** Expansions, without any issues or limitations.



	LCU1S	LCU1S Open	LCU2	LCU2 Open
Sensor Compatibility	Bosch LSU 4.9			
Power Supply Voltage	9÷15 V			
Power Supply Current	50 mA + sensor heater current typical 750 mA up to 2 A on cold sensor			
Connection	Aim CAN 5 pin Binder 712	USB CAN 7 pin Binder 712	Aim CAN 5 pin Binder 712	USB CAN 7 pin Binder 712
Materials	Latigloss 57			
Dimensions	43.4 x 30 x 18.4 mm		65.0 x 34.8 x 18.4 mm	
Weight	70 g		74 g	
Waterproof	IP67			

Keypad Series

The CAN-Bus Keypads

CAN Expansion Keypads are the Aim compact keypads based on CAN protocol. They are completely customisable and contain 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 CUSTOMISABLE,
WATER AND DUST PROOF.

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



Customised 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, illuminated 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 customisable in every aspect.



Open Version

The Aim CAN Expansion Keypads are 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 specification

	Aim CAN Expansion Keypads	Aim CAN Expansion Open Keypads
Pushbuttons	8 programmable keys (momentary, toggle, multistatus)	
Backlight	RGB with dimming option	
Connection	Aim CAN 5 pin Binder 712	USB CAN 7 pin Binder 712
Materials	Silicone Rubber and PA6 GS30% reinforced	
Dimensions	127.4 x 71.4 x 24 mm	
Weight	150 g	
Waterproof	IP67	

OPEN

Fit to your Aim network or
integrate with MoTeC,
Bosch, VBOX, Pi and more



GpS09 OPEN



ACC3 OPEN

The Aim Open systems can be integrated into any Aim network, or paired with MoTeC, Bosch, VBOX, Pi products and more.



LCU1S
OPEN

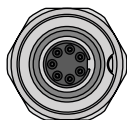
LCU2 NEW
OPEN



Keypad Series OPEN

Configuration

Every **OPEN** device features a 7 pin connector to be connected to a PC via a dedicated USB cable.



OPEN 7 pin connector



Dedicated USB cable



Race Studio 3 software

With **Aim Race Studio 3** software, devices and the CAN messages can be easily configured.

The screenshot shows the Race Studio 3 software interface with the CAN2 Keypad configuration window open. The window displays a list of keys (K01 to K08) and their configuration options. A PKP-2400-SI (8 keys) keypad is shown on the left. The Key Status Settings dialog box is also open, showing the configuration for key K01.

Key Status Settings Dialog:

Name: K01

Work As: ☐ Momentary ☐ Toggle ☒ Multiposition

☐ Use timing Time threshold between short and long status sec: 0.5

Position	Label	Value	Short Press leads to	Long Press leads to	
0	OFF	0	ON	S2	[+/-]
1	ON	1	S2	OFF	[+/-]
2	S2	2	OFF	ON	[+/-]

Buttons: Save, Cancel



All **OPEN** devices are available both for:

AIM CONNECTION

OPEN MODE CONNECTION

Remove the USB cable and use the CAN cable
for connecting the device to a CAN network.

ECLIPSE

ACCURATE

RESISTANT

LIGHTWEIGHT

Key features

- Accuracy $\pm 0.5\%$
- Repeatability ≤ 0.01 mm
- Operational speed ≤ 10 m/s
- Mechanical life >25 million cycles
- Output signal 500mV/0 - 4500mV/ full range
- Temperature working range from -30°C to $+100^{\circ}\text{C}$
- Waterproof IP65

Linear Potentiometer Series

The **Eclipse Series**, the new line of linear potentiometers, is born from the Aim experience acquired in the motorsports world to cover the needs of the racing industry.

Easy to install, our linear position sensors offer great performances in terms of accuracy, repeatability and life expectancy.

The continuous research to provide the best solutions for our customers leads us to a new concept of sensors.

Advanced Materials

Our Eclipse Sensors are housed in fibreglass, a material that features excellent resistance to mechanical stress and thermal changes, outstanding capacity as an electric insulator, flame resistance and self-extinguishing, a perfect material for linear potentiometer purpose. The shaft, normally made of steel, is now made in extruded carbon fibre. This combination guarantees lightness and resistance at one time.

Custom-Made Range

The **Eclipse Series** is proposed in a wide travel range to meet most requirements.
An Aim Eclipse Linear Potentiometer end has M4x0.7 mm male thread on both ends.
A Quick-Release Balljoint or Rod End Bearing, as well as unterminated wires or Aim standard compatible connectors are all available for the best possible mounting on all vehicles.



Potentiometer travel	
50 mm	175 mm
75 mm	200 mm
100 mm	225 mm
125 mm	250 mm
150 mm	

Inductive & Contactless

Thanks to the Inductive Contactless Technology, the **Aim Eclipse Series** provides unmatched wear resistance; no contact means minimum wear and tear, therefore there will be no performance degradation during this life cycle.

Quick Release Balljoint



Rod End





	ECLIPSE SENSORS
Supply Voltage	Vref 5 Vdc
Signal Output	500mV/ 0 - 4500mV/ full range
Repeatability	≤ 0.01 mm
Operational Speed	≤ 10 m/s
Mechanical Life	>25 million cycles
Independent Linearity	≤±0.5%
Temperature Working Range	-30°C to +100°C
Housing	Glass fibre
Shaft	Carbon fibre
Weight	20÷40 g
Cable Type	Raychem 55M 26 AWG Viton Sleeve
Cable Length	500 mm
Waterproof	IP65

Pressure+Temperature Sensors

Two Sensors, One Product

The Aim Temperature + Pressure Sensor combines in a single device the detection of both physical properties of the fluid (Oil, Air, Brake fluid, Fuel.)



Key features

- Accuracy $< \pm 1\% \text{ FS} / < \pm 0.5\%$
- Output signal 0.5V to 4.5 V
- Temperature working range from -20° to 135°C
- Compensated temperature range from -10°C to 125°C
- Supply 8-16V
- Consumption $< 10 \text{ mA}$
- Housing 316 stainless steel
- Sensor thread M10x1 or 1/8" NPT - 3/8 24
- Cable length 500 mm

The installation is simplified by using a single sensor for both functions. Temperature can be monitored through the pressure port when the specific one isn't available. This sensor has been designed to work with high reliability in even the harshest motorsport environments such as intense vibrations and extreme high/low temperatures.

Wirings

Cabling is available with:

- **Free wires**
- **Two 719 4C male binder connectors for Aim loggers**

Available process connections:

- **M10X1 MALE**
- **1/8 NPT MALE**
- **3/8-24 UNF DASH 3**

Pressure ranges offered in both Bar and PSI.

BAR	PSI
0-5	0-15
0-10	0-50
0-100	0-150
0-160	0-300
0-200	0-2000

	Combined Sensors
Temperature Sensors	PT100 thermo-resistor
Supply	8-16V
Output Signal	0.5V to 4.5 V
Power Consumption	<10 mA
Temperature Working Range	from -20° to 135°C
Compensated Temperature Range	-10°C to 125°C
Accuracy	<+/- 0.5% FS (CLNH combined non-linearity and hysteresis)
Overrange Pressure	1.5x rated pressure
Burst Pressure	3x rated pressure
Sealing	IP66
Housing	AISI 316 stainless steel
Tightening Torque	30 g
Cable Length	500 mm
Supply	9-15 V dc
Pressure Sensor Output Signal	500 mV (0 Bar/PSI) – 4.500 mV (Full scale)

Pressure Sensors

A Full Range of Reliable Sensors

Engineered for full compatibility with Aim data loggers, our sensors deliver accurate, reliable data in the harshest motorsport conditions.

Key features

- Accuracy $\pm 0.5\%$
- Output signal 0.5V to 4.5 V
- Temperature working range from -20° to 135°C
- Compensated temperature range from -10°C to 125°C
- Overrange pressure 1.5x rated pressure
- Burst pressure 3x rated pressure
- Sealing IP66
- Supply 8-16V
- Consumption $<10\text{ mA}$
- Housing 316 stainless steel
- Sensor thread M10x1 or 1/8" NPT
- Cable length 500 mm



They monitor critical parameters like engine, water/oil, and tyre temperatures, as well as oil and brake pressures. Brake pressure, combined with G-force data, helps evaluate braking performance and driver input.

Developed for motorsports applications, featuring:

- **Compact size (hex19 or 3/4")**
- **High accuracy**
- **Robust design**

Essential for monitoring key parameters such as:

- **Engine oil pressure**
- **Brake fluid pressure**

Available process connections:

- **M10X1 MALE**
- **1/8 NPT MALE**
- **3/8-24 UNF DASH 3**

Pressure ranges offered in both Bar and PSI.

BAR	PSI
0-5	0-15
0-10	0-50
0-100	0-150
0-160	0-300
0-200	0-2000

	Pressure Sensors
Supply	9-15V
Output Signal	0.5V to 4.5 V
Power Consumption	<10 mA
Temperature Working Range	from -20° to 135°C
Compensated Temperature Range	-10°C to 125°C
Accuracy	<+/- 0.5% FS (CLNH combined non-linearity and hysteresis)
Overrange Pressure	1.5x rated pressure
Burst Pressure	3x rated pressure
Sealing	IP66
Housing	316 stainless steel
Weight	30 g
Cable Length	500 mm

IBTS

Infrared Belt Temperature System

A simple and reliable way to monitor the temperature of the transmission belt of your UTV.

Key features

- RGB LED Alert: The LED starts blinking red when temperature exceeds the user defined level
- Anti-glare TFT display, sunlight readable
- Vibration proof
- Aluminium body
- Metallic pushbutton
- Single point sensor
- Dimensions: Ø 70 x 30.3 mm
- Weight: 150 g
- Waterproof: IP65

Because of the harsh conditions found on any off-road course, UTV racing puts extreme stress on every component of your vehicle. The transmission belt is no exception: if it reaches critical operating temperatures and isn't properly monitored, it can fail and take you out of the race.

The Infrared Belt Temperature System is a simple and reliable way for monitoring the temperature of the transmission belt of your UTV.



The Vital UTV Companion

Throw your worries away, just enjoy the race: our IBTS Gauge is a must-have device for your UTV racing!

The Infrared Belt Temperature System is the Aim device that shows an average temperature information of a specific controlled area.



Technical specification

	IBTS
Display Resolution	160 x 128 pixels
Display	1.8", Anti-Glare, Sunlight Readable
Alarm LEDs	RGB LED
Body	Anodised Aluminium
Pushbuttons	Metallic
Dimensions	Ø 70 x 30.3 mm
Weight	150 g
Waterproof	IP65

Partnerships

As a world leader in motorsports racing application, **Aim** is proud to be an integral part of shared projects with the most important companies in the automotive and motorsports sectors. **Aim** is chosen by its partners for one reason: it brings value to the projects that it is involved in, thanks to its technical know-how recognised worldwide for over thirty years. Aim means reliability, fairness and very high technological value, for OEM projects too, and much more.







Always One Step Ahead.







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