

ST800 DASH DISPLAY SYSTEMS

The ST800 Dash Display System replaces all dashboard instruments - Tachometer, Oil Pressure Gauge, Fuel Pressure Gauge, Water Temperature Gauge, Oil Temperature Gauge and Voltmeter - with a single light weight carbon composite display module. Features include:

- Analogue Tachometer - the preferred choice of most racers
- Configurable for all negative earth ignition systems
- Fully sealed against water and dust to IP67
- Driver selectable LCD display layers show different engine and performance information
- Configurable speed calibration to suit any vehicle
- Variants available specifically for turbo engine vehicles
- 1 year Competition Warranty



INTELLIGENT ALARM SYSTEM



Intelligent alarms are provided on all monitored parameters. Alarm levels are user adjustable to suit individual vehicle requirements.

An internal alarm light is standard and an optional external light can simply be plugged into the dash harness.

EASY-TO-FIT SYSTEMS INCLUDE READY WIRED LOOM AND SENSORS



All ST800 systems are supplied complete with sensors, switches, mounting kit and a comprehensive user manual. Systems also feature a professional ready made wiring loom with Mil-Spec. connectors.

PROGRAMMABLE SHIFT LIGHT

The dash features a user configurable internal shift light. An external light can also be added by simply plugging it into the dash harness.

PEAK VALUE TELL TALE MEMORY

Maximum peak value Tell Tale memory is provided on Speed, RPM and Temperature parameters, minimum peak value tell tales are provided on pressure and voltage parameters.

WIDE CHOICE OF DIAL FACES



Standard dial face scales - All Models

0-8000, 0-3-8000, 0-4-10000, 0-3-10500, 0-6-13,000, 0-7-15000, 0-10-22000 RPM



Inverted dial face scales - ST8100 only

0-3-8000, 0-4-10000, 0-6-13000 RPM



White dial face scales - ST8130 Only

0-8000 RPM

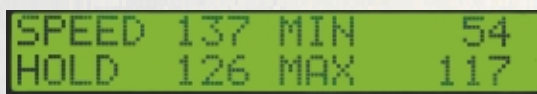
ST800 DASH DISPLAY SYSTEMS -

SPEED SENSOR (ST670)



Simply plug this speed sensor into the wiring loom to enable speed to be displayed on the LCD readout.

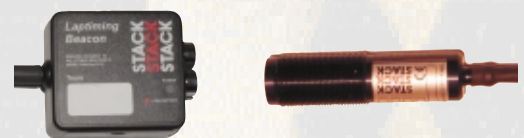
STRAIGHT AND CORNER SPEED READOUT (ST8109)



This feature gives the driver feedback – in real time – of the minimum apex speed maintained through each corner, and the maximum speed attained at the end of each straight. The speed 'hold' function can also be used to capture the speed at any point on the track.

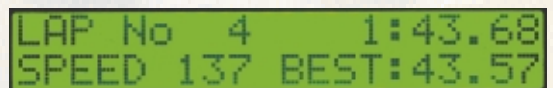
This feature is only available on the **ST8100** dash display products and requires **ST670** speed sensor to be fitted.

LAP TIMING SYSTEM (ST546)



The lap timing receiver simply plugs into the standard dash wiring harness. When the vehicle passes the track side beacon the lap times "pop up" on the LCD display, accurate to 1/100th of a second.

At any time the driver can select the Lap Time Display layer to show the Last Lap time, Best Lap time and number of laps driven.



LAP TIME MEMORY (ST8190)

Available for **ST8100** systems only, this feature records laps by session and indicates the time of the fastest lap of each session.

ST800 DASH DISPLAY SYSTEMS FOR RACE AND RALLY



The Stack ST800 dash display is probably the most popular Motorsport display system in the world.

The unique combination of analogue and digital technology produces the ultimate driver-engine interface.

These systems include all sensors, installation kit and our professional ready wired loom.

ST800 Race and Rally dash display systems are available in a range of options to suit specific Motorsport applications.

Model	Speed (ST670)	RPM	Oil Pres.	Fuel Pres.	Water Temp.	Oil Temp.	Battery	EGT	Air Temp	Boost Pres.	Lap Timing (ST546)	Lap Memory (ST8190)	Corner Speed (ST8109)	Predictive Lap Timer (ST8108)
ST8100	Option	✓	✓	✓	✓	✓	✓				Option	Option	Option	Option
ST8100T	Option	✓	✓	✓	✓	✓	✓				✓	✓	Option	Option
ST8100M	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓
ST8110	Option	✓	✓	✓	✓	✓	✓			✓	Option			
ST8120		✓	✓	✓	✓	✓	✓		✓	✓	Option			
ST8150		✓	✓	✓	✓	✓	✓	✓		✓				

ST800 DASH DISPLAY SYSTEMS FOR STREET, ROAD COMPETITION AND TRACK DAYS



Enhance your road legal dash to read fuel pressure, Predictive Lap Timing, or Turbo Boost readings.

These systems are designed for vehicles which have to meet road legal requirements and feature fuel level, speedometer, odometer and trip meter. Each system includes all sensors (except fuel level sensor), installation kit, switch kit and professional ready wired loom.



ST8130M
Street Race Max

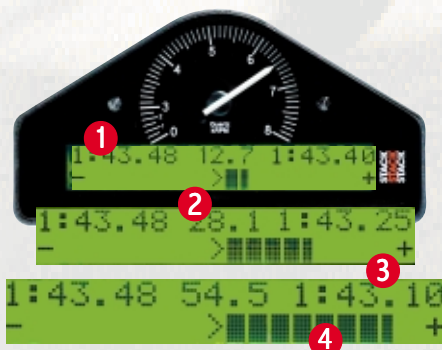


ST8110SR
Street Race Boost

Model	Speed (ST670)	RPM	Oil Pres.	Fuel Pres.	Water Temp.	Oil Temp.	Battery	Fuel Level	Air Temp	Boost Pres.	Odo & Tripmeter	Lap Timing (ST546)	Predictive Lap Timer (ST8108)
ST8130	✓	✓	✓		✓	✓	✓	✓	Option		✓	Option	
ST8130P	✓	✓	✓	✓	✓	✓	✓	✓			✓	Option	
ST8130M	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
ST8110SR	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Option	

OPTIONAL PERFORMANCE FEATURES

PREDICTIVE LAP TIMING SYSTEM (ST8108)



- 1 **Best Previous Lap Time**
Displays the fastest previous lap time.
- 2 **Running Lap Time**
Displays the time into the current lap
- 3 **Predicted Lap Time**
Displays the current prediction of the next lap time
- 4 **Performance Meter**
Graphically displays the time difference between the current and best lap as an easy to read bar graph

The Predictive Lap Timing system uses Stack patented technology (Patent number 9419860.3).

The system continually compares the time to track position of the current lap against that of the fastest previous lap. The difference in the times is shown as + or - time differential on the bar graph display (known as the Performance Meter).

By measuring the time to reach the current track position, and by already having recorded the time it took on the fastest previous lap to complete the lap from the current position, the system calculates and displays the Predicted Lap Time.

This feature requires **ST670** speed sensor and **ST546** lap timing system to be plugged into the dash. Available for **ST8100** and **ST8130** only.

PRACTICAL BENEFITS

- Enables the driver to experiment with different lines through corners, with immediate visual feedback of time gains/losses of 1/20 sec. or less
- Enables the driver to optimise qualifying, by giving early indication of a fast lap, or a lap off the pace, which should be aborted
- Shows potential lap time when the driver can not get a clear flag to flag lap in
- Functions as an in-car coach, continually setting the pace for the driver to beat, and displaying how much time is lost each time a mistake is made

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DASH DISPLAYS