Superbike electronics – 1098R / 1198 / 1098 / 848
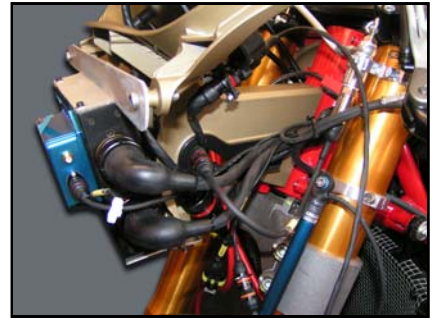
Competition Systems Ltd are proud to announce a range of Superbike electronic systems for professional race teams and advanced privateers.

The **Magneti Marelli SRT** engine control unit with integral data logger is at the heart of the system coupled with the **Marelli MDU** dashboard display.

Each system we produce is not only fully mapped, it has a well developed and race proven traction, launch and wheelie control system as standard.

Principal features.

- Programmable traction control with a pre-programmed set of base maps. Rider switchable at the push of a button
- Launch rev limiter with anti-wheelie
- Permanent closed loop wide band lambda control for each cylinder with AFR target map
- Quick shifter
- Pit limiter
- Handlebar switch block for TC and Pit
- Option for engine brake auxiliary valve – Air bleed
- Integral 16Mb data logger with networkable Ethernet communications
- Back lit multifunction LCD display with alarms and shift lights
- GPS system for circuit mapping and racing line analysis
- Gear position calculated from speed & RPM
- Front & rear wheel speed inputs from the standard sensors
- ECU with machined aluminium box and Autosport connectors
- High specification race wiring loom custom built for each bike
- Lap timer input compatible with all beacon types such as Pi, Motec, 2D, AIM etc.
- Each kit comes with all of the following items:
  - ECU / data logger box – SRT
  - Dash display – MDU-020
  - GPS module & antenna
  - Race wiring loom
  - Quick shifter of your choice – Reverse / Push / Pull
  - Handlebar switch block
  - 2 x Wide band NGK UEGO lambda sensors with Autosport connectors
  - Front brake pressure sensor
  - Rear brake pressure sensor
  - Fork sensor
  - Shock sensor
  - Accelerometer
  - Ethernet – PC cable
  - Mounting brackets / adaptors for:
    - ECU
    - Dashboard
    - Ignition switch & PC connector
    - Fork & shock sensor
    - Front & rear brake pressure sensors
  - System manuals
  - Software
    - Vision 5 – ECU
    - Axon – Logger & dash programming
    - Wintax – Data analysis

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System cost .... £11,500 GBP

Installation support –
UK.. £1500
Europe £2000
USA.. £3000
Rest of world... £3500

All prices quoted exclude vat (if applicable) and delivery costs

** Installation & support

From a safety perspective a 'user programmable' traction control system must be used correctly by trained professionals, we are unwilling to sell this equipment unless the user has received full training on the correct use.

Even though we supply very good base settings, which are race proven, each bike has fundamental differences. Changes in tyres, rims, shock & fork settings, engine characteristics, track surface and rider style are only a few of the variables which may demand adjustments to the traction maps to achieve perfection & fast lap times.

Within the installation & support costs the user will receive training on all of the following:
- System structure and overview of hardware
- Mapping techniques – how to get the best from your engine
- Traction control system – how it works & how to program it
- Launch control - how it works & how to program it
- System mapping & closed loop control
- Calibration & control of system inputs & outputs
- Use of all software applications and PC setup
- Data analysis techniques

This course is estimated at 3-4 days and will require the bike to be fully installed with the new hardware prior to the visit (under our guidance), and have a dyno available for part of the demonstrations. A track day is also preferable if it can be organised.

Following the course, full technical back up is available for the system via Email or telephone.

The installation & support cost is fully inclusive of our time, flights, and accommodation expenses.

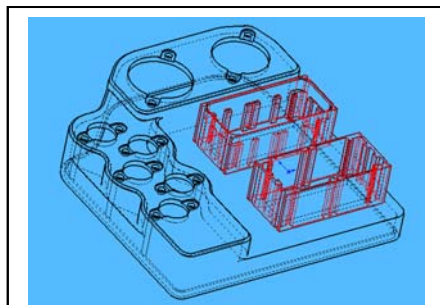Subsequent systems may however be purchased without this installation support.

Systems also available for CBR1000 / GSXR 1000 / ZX10 – We will also undertake to design and build systems such as this for any race bike.

Contact details for this product:

Competition Systems Ltd
mail@competitionsystems.co.uk

Contact – Mick Boasman or Simon Bateman
+44 (0)1295 768754

Coming soon (Aug 09) – Ready to race 'bolt on' kit for the Desmo

Same technical specification as the 1098R kit described in this document but with a 'plug in' adaptor at the front to use the existing loom. Autosport connectors link auxiliary wiring to the additional sensors and the Magneti Marelli SRT system with race dash.

These systems are for track bikes only – Not for road use