Complete Electronic Solution for Motorsport

ASMoto Race Electronics was established in order to give professional service and create electronic products for motorsport.

- **PowerModul**
- **DashBoard**
- **DataLogger**
- **ECU**

Product Information

Freely Programmable Power Module

The fuse and relay table can be replaced with the PowerModule, therefore the cable harness amount can be decreased in the racing car. Due to the 18 high current and 8 low current output the power supply can be solved safe.
The cabling gets quicker and easier, the finished cable bundle is smaller and more transparent. Some functions can be easy modified later with software control.

The ASMoto PowerModule with two accessories is unique in the market:

The WSM module is in wireless contact with PowerModule. With this module the steering column switches and its' wires can be replaced. Several functions can be programmed on 8 buttons (indicator, light, windshield wiper switch, ALS, launch control)

The 11 or 14 button of the MembranPanel can be freely programmed on any function as well, together with statement and warning LED lights. All of this needs only 4 wires into the PowerModul. We deliver the symbol set according to the customer request. The symbols can be chosen from 70 different forms.

Because of 2 CAN bus, the PowerModul is compatible with other ECUs which are communicating in CAN bus (like MoTeC, DTA, Syvecs). Among others, the fuel pump, the engine cooling can be started without relays and additional wires. The electric isolater is supported, e.g. Cartec Battery Isolators.

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Freely Programmable Instrument Group

Showing the necessary data is very simple by using the ASMoto DashBoard. The display can be scrolled by pushing 2-3 buttons and the brightness can be chosen from the different preset brightnesses. The odometer and the lap time can be controlled as well. The shift lamp, display the shift gear, can be configurated in several ways.

Additional sensors can be connected to the 6 analog and 2 digital inputs. However, it can gather data from different ECU types, like: MoTeC, DTA, Vems, Syvecs.

On the top of these, it contains the general dashboard indicators which can be used for other purposes. By default it indicates: charge, oil pressure, position lights or dimmed headlights, high beam, direction indicators, brake fluid level indicator.

The driver can be instantly alerted on problems affecting the car through 13 channel configurable warnings.

DataLogger

DataLogger for racing purpose. CAN bus data logging from ASMoto ECU, DashBoard, PowerModule and further units.

Records on a MicroSD card, which later can be read out in a PC and data can be displayed with a software, capable of analyzing files with .csv extension, e.g.: MegaLogViewer.

It contains an in-built GPS receiver, which just after connecting an antenna, it ready to record GPS coordinates and time, which can be a great help during later analyses.

Further it contains an integrated triple-axis accelerometer, clock and calendar module. A backup battery provides power for all these.

Racing track map can be created with the DataLogger.

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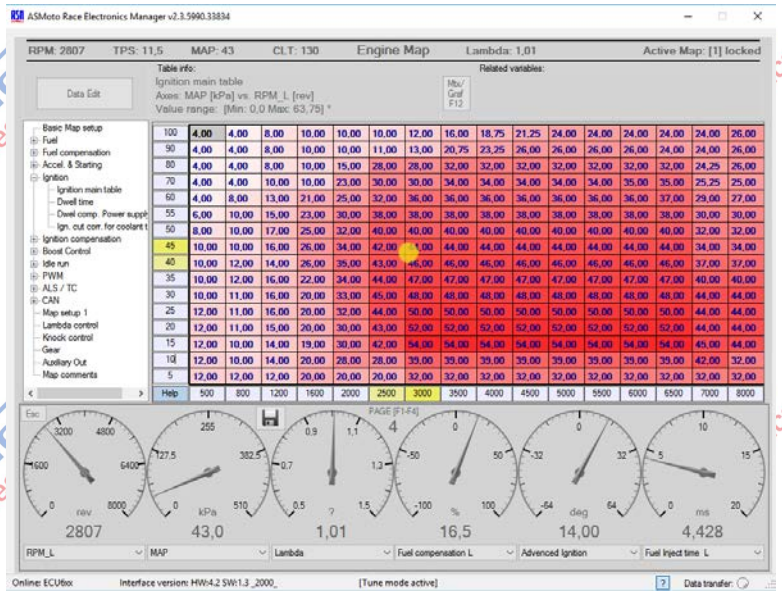
Freely programmable engine control system for racing purpose

The ECU-6xx series is the second generation engine controlling unit from ASMoto. Our controlling unit is manufactured with precision method. The used quality materials are light but the product is robust. The controlling unit integrates the state of the art but affordable technologies without loosing the ordinary reliability and accuracy of the predecessors.



- 12 analog input
- 20 output
- LSU wide band Lambda control
- Knock control
- 6 + 6 injector and ignition coil drivers
- ALS
- Boost control /PID or open loop/
- 4 programmable PWM control
- Launch Control
- Traction Control
- Gear shift cut
- Electronic throttle control
- 2 conf. CAN interface

Our purpose was to go along with the state of the art technology without having negative effects of the improvements. Therefore we applied the known and easy to use, continuously updating and free AREM (ASMoto Race Electronics Manager) software in order to handle the more difficult algorithms. It is flexible, accurate, effective, and simple in order increase the customer satisfaction to a higher level.

There is a possibility for a complete setting for our system with chassis or engine dynamometer. Furthermore, we perform the installation of our products, manufacturing special cable harnesses, or building the complete electric system of racing cars.

Further information:

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Your reseller: