

# AutoSim Engine Simulator III

Simulator III is PC software based with an interface box between the test ECU and the PC. USB cable connects the adapter to the PC. This design makes it possible to do more than the older models.



Adapter Box:

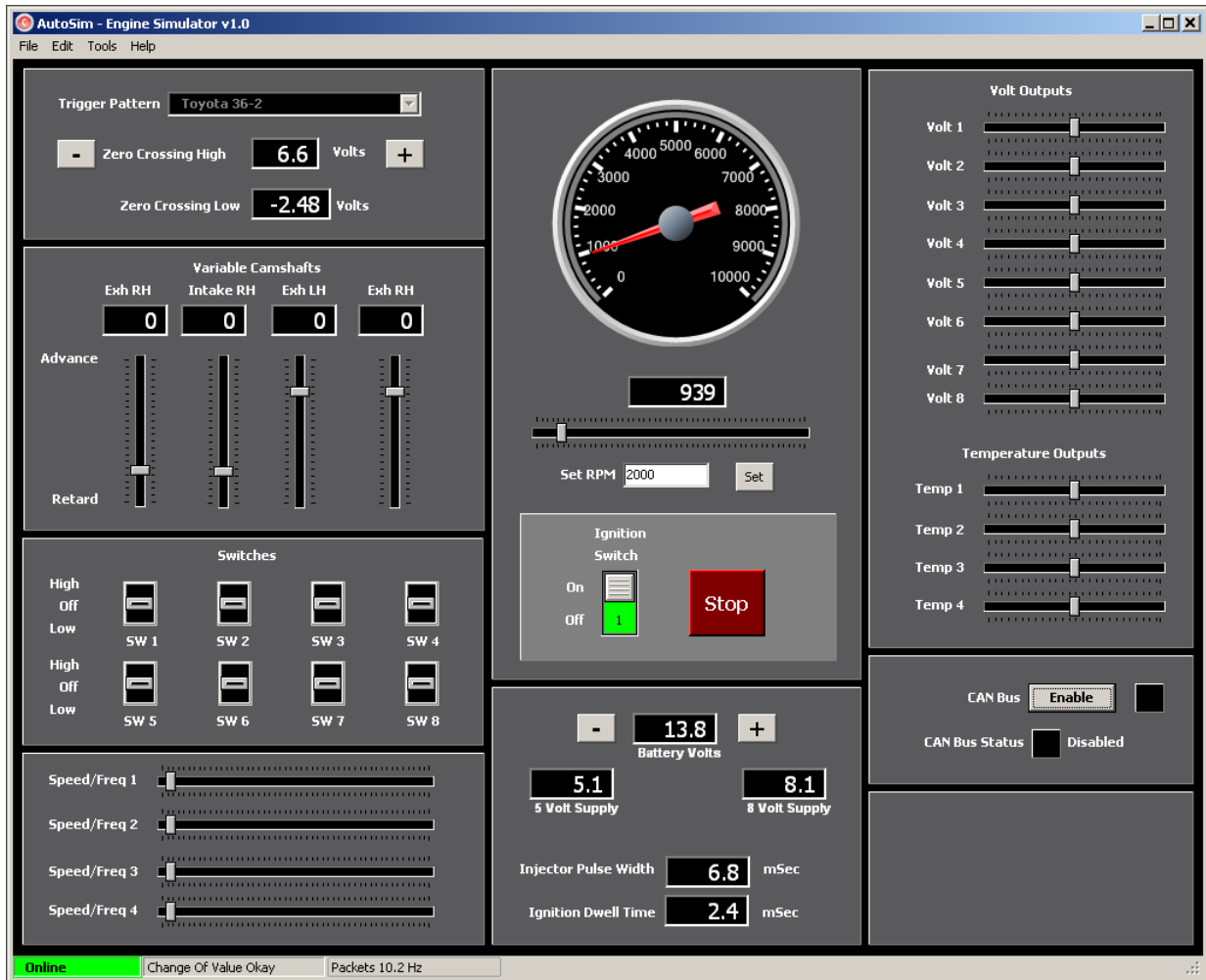
- 8 x Injector LED.
- 8 x Ignition LED.
- 10 x Auxiliary output LED.
- 2 x 34 pin TE Connectivity Super Seal connectors.



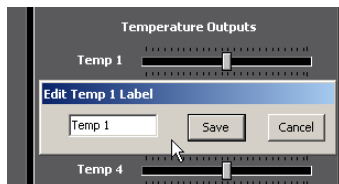
USB Port and Power supply sockets on the rear of the case.

Simulator uses a NXP 16 bit microcontroller running at 48 MHz. This along with an embedded software scheduler makes Simulator III far more capable than the older versions.

The maximum RPM can be set way beyond what will be required.



Screen shot of the PC software.



Label names for Volt, Temperature, Switches, Camshafts and Speed/Frequency can be changed by double clicking on the labels. The new names will be automatically loaded every time you start the software.



Injector pulse width and ignition dwell time are captured and displayed. No need for external oscilloscope.

Your settings can be locked into the simulator. The simulator will operate based on your saved settings. The PC connection and software is only need to make changes.

Large number of trigger patterns included. More can be added upon request for free. We will supply pattern creation software that will save the pattern to a file. This can then be emailed to us and we will add the pattern permanently to the software.

2 Per Cycle	Ford 36-1	Ford Cosworth	McLaren 20-2
3 Per Cycle	Toyota 36-2	Ford Focus	McLaren GT86
4 Per Cycle	Motronic 60-2	Ford BA XR6	Mitsubishi EVO 1-6
5 Per Cycle	Artic Cat	GM Ecotec V6	Mitsubishi EVO 7-9
6 Per Cycle	Audi V8 4.2L	GM Alloytec V6	Mitsubishi EVO 10
8 Per Cycle	BMW M52	GM LSx 24 tooth	Subaru 1-6
10 Per Cycle	BMW S52	GM LSx 60-2	Subaru 7-9
12 Per Cycle	BMW S54 Ver 1	Honda S2000	Toyota 6 VVT-i
16 Per Cycle	BMW S54 Ver 2	Honda S15x	Toyota 2GR-FSE VVTi
24 Per Cycle	BMW S54 Ver 3	Honda V6	
48 Per Cycle	BMW S85 V10	Honda K20	
24-2	Dodge 6.1L	PM555	

Current Trigger Pattern List.

CAN Bus:

Up to four frames of data can be sent to any device on the bus. One frame of data can be read from the bus and displayed.

Bit rate options, 125, 250, 500 Kbit/Sec and 1 Mbit/Sec.  
Transmission rates of 1, 2, 5, 10 and 20 Hz.

Price: \$2750 AUD. Includes free air freight shipping world wide.

Price Includes:

- Simulator III Adapter Box
- Power supply
- 4 x 34 pin connectors and pins.
- USB Cable
- Documentation
- Free software downloads from website.

Specifications:

- Simulator adaptor box 150mm x 115mm x 45mm
- USB Cable A to B 1.5m long.
- Power supply adaptor, 240v/110v to 19v DC 3.5A
- Power Socket 2.5mm
- Maximum power supply voltage is 35v DC.
- Trigger pattern signals are generated as zero crossing square wave signals. These are compatible with ECU requiring Reluctor or Hall Effect sensor signals.
- Default RPM range 30 to 11,000 RPM. PC software setting can be changed to give higher or lower range.
- 8 x Volt outputs
- 4 x Temperature outputs
- 4 x Speed/Frequency outputs
- 6 x Trigger signal outputs (crankshaft and camshaft signals)
- 4 x Variable camshaft position control.
- 8 x Switch outputs. (High, Off, Low).
- 1 x CAN Bus channel
- Zero crossing trigger signal peak voltage adjustable.
- Battery voltage adjustable (7 to 19 volts)

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