

SLM Shift Light Module

Part Number #18120

Basic specifications

Display

- 8 full colour (RGB) LEDs

Communications

- 1 x CAN

Physical

- Case size 81.2 x 19.0 x 16.0 mm
- 1 x 4 pin DTM connector, flying lead

Other information

Compatibility

- Any MoTeC Data Logger:
 - SDL (v1.52B and up)
 - ADL2 (v4.42B and up)
 - ACL (v1.11j and up)
- 'Hundred series' ECUs: M400, M600, M800, M880 (v3.42c and up)



The **SLM (Shift Light Module)** may be used for shift lights, warning lights or other indicators as programmed by the user.

It provides eight multicolour LED indicator lights in a compact array. The colour, intensity and purpose of each LED can be controlled independently, providing enormous flexibility and scope for customisation.

A set of patterns can be defined with various colour combinations and flashing modes, indicating for example: stop immediately, continue with caution, pit lane speed limiter active and of course, up-shift and down-shift. The LEDs can be programmed in a priority order so that, for example, a warning light can override a shift light.

The SLM is configured and controlled using a MoTeC ECU or Dash Logger. Compatible MoTeC devices have special programming functions for the SLM.

Features

- Connected via CAN, eliminating the need to use auxiliary outputs.
- Mounted using standard mounting holes or optionally the back cover screws can be removed to use these holes for mounting.
- Wire lead can be flexed to exit horizontally or vertically flush with the edges of the case or straight back through a hole in the mounting plane on either end.

Important

The SLM is wired onto the CAN bus. Please ensure the CAN-bus has at least one 100R terminating resistor.

Detailed CAN-bus wiring instructions can be found in ECU and Data Logger manuals, available from www.motec.com.au/downloads

Configuration

The SLM has no stand-alone software package. It is configured using the SLM function in the Manager Software of the controlling device (Dash Logger or ECU).

For example: Use ADL2 Dash Manager if the SLM is controlled by the ADL2 Dash Logger.

M400/M600/M800/M880 ECU Control

In MoTeC ECU Manager software on the **Adjust** menu click **General Setup > Communications > SLM**

- Click **Setup** to adjust **Driver Warnings, Intensity, Filter and Hysteresis**. Information on each setting will be given on the screen.
- Click **Shift Table** to set the colour for each light. Press **F1** for information on setting colours.

Data Logger Control

SDL, ADL2 and ACL Manager software have similar control options.

In the relevant MoTeC's Dash Manager software on the **Functions** menu click **Shift Light Module** to setup the shift light patterns. Press **F1** for extensive information on all available settings.

ADL2 and ACL Manager offer a greater flexibility in settings for User Conditions in comparison to SDL Manager software.

Connector and Pinout

Connector		
DTM 4 pin male		
Mating connector DTM 4 pin #68054		
Pin No	Colour	Description
1	Black	Ground (Battery -)
2	Green	CAN Low
3	White	CAN High
4	Red	+ 12 V (Battery +)

Dimensions and Mounting

