

FUNCTIONS



E-MARK COMPLIANT MODE (On/Off)[†]

Light output is reduced by 50% to comply with UNECE regulations, allowing teams to drive between stages with the lights operating within regulation limits.



E-BOOST MODE

Maximum light output with all lamps operating at 100%.

Note - exceeds UNECE regulation limit.



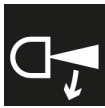
ADAPT MODE

Applies to Dashboard Controller supplied with in-built accelerometer (see adjacent page). Light output adjusts under heavy accelerating/braking to counter the higher/lower pitch of the vehicle.



FOG MODE

Improved lighting performance in fog conditions as 'Spot' lamps are turned off, and beam pattern from the 'Drive' lamps is lowered to reduce glare.



CORNER LIGHTS

Allows on/off function of dedicated corner lights (sold separately), where these are fitted on an independent wiring loom.

[†] Road legal - always observe regulations specific to individual countries.

CALIBRATION

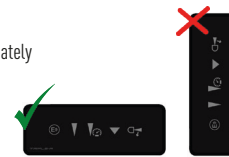
Adapt Mode is controlled via an accelerometer in-built into the Dashboard Controller. Dependent on specific regulations, the use of an accelerometer may not be acceptable, please check local regulations and ensure use of the correct version of Dashboard Controller considering your specific circumstances.

Calibration (without Accelerometer):

- Once the Dashboard Controller receives power it will immediately enter a calibration mode (<2 secs) after which the controller will be ready for use.
- Press and hold the E9 symbol for 3 secs to power on/off the system. When 'on' all modes will be backlit red, with the current active mode backlit in white. To disable the active mode but keep the system 'on', press the active mode icon again.
- It will not be possible to activate the 'Adapt Mode' - icon will flash and revert back to the previous active mode.

Calibration (with Accelerometer):

- Once the Dashboard Controller receives power it will immediately enter a calibration mode (<2 secs).
- IMPORTANT** - To ensure the accurate calibration of the accelerometer, it is necessary for the Dashboard Controller to be held still in the final mounting position (recommended - upright horizontal orientation).
- Press and hold the E9 symbol for 3 secs to power on/off the system. When 'on' all modes will be backlit red, with the current active mode backlit in white. To disable the active mode but keep the system 'on', press the active mode icon again.
- With the system powered 'on', the 'Adapt Mode' function can be tested with the Adapt Mode selected, and holding the Dashboard Controller in your hand, slide the unit to the left/right (and up/down depending on the original calibration angle). The light distribution from the 4-Way Rally Pod should be visibly changing as you move the unit.
- If your controller needs recalibration, with power to the controller, but with the system 'off' (i.e. only the E9 icon is backlit red), press and hold the E-Boost and Fog Mode icons, for 2 seconds. The Dashboard Controller will then recalibrate considering the angle and orientation of the controller.



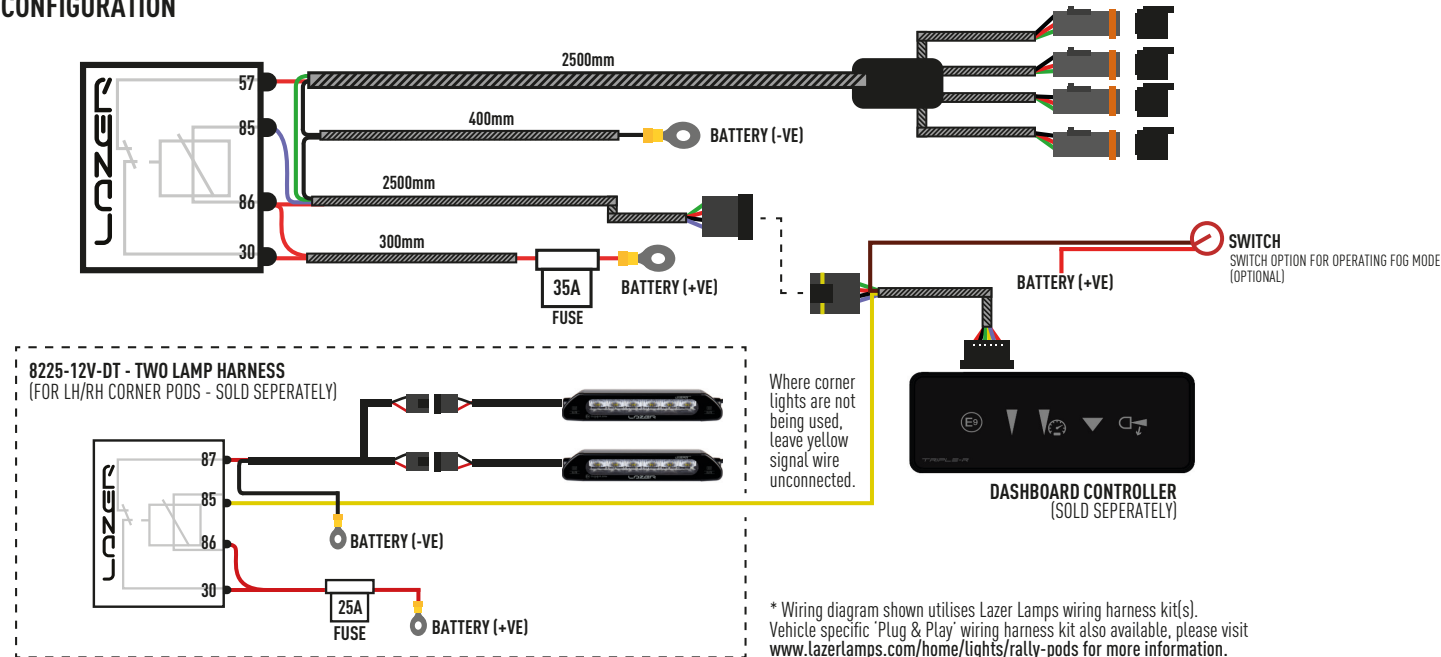
WHAT'S REQUIRED

- 4-Way Bonnet Pod
(Includes 2x Carbon-6 Drive And 2x Carbon-6 Spot)
- 8234-12V-SW - Four Lamp Harness Kit*
- Dashboard Controller
(Includes 4-core wiring harness)

OPTIONAL:

- LH Carbon Corner Pod
(Includes 1x Linear-6 Elite)
- RH Carbon Corner Pod
(Includes 1x Linear-6 Elite)
- 8225-12V-DT - Two Lamp Harness Kit

CONFIGURATION



ELECTRICAL CONNECTION

Make lamp and Dashboard Controller connections before connecting harness to +ve / -ve power source.

Note – as soon as the Dashboard Controller receives power for the first time, it will enter calibration mode (see overleaf for details).

The Lazer Lamps' 4-Way Rally Pod utilises PWM to activate the different functionality. Where customers are looking to make their own wiring, please refer to the information below:

PWM Frequency – 400Hz ±1%
Recommended Pull Up Resistor - 470Ω

MODE	DUTY CYCLE
E-MARK COMPLIANT	30%
E-BOOST MODE	100%
ADAPT - DECELERATION	40%
ADAPT - CONSTANT	50%
ADAPT - ACCELERATION	60%
FOG MODE	80%