

# LEGION

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## LIGHTBAR

User Manual

2016

**F2**

Firmware



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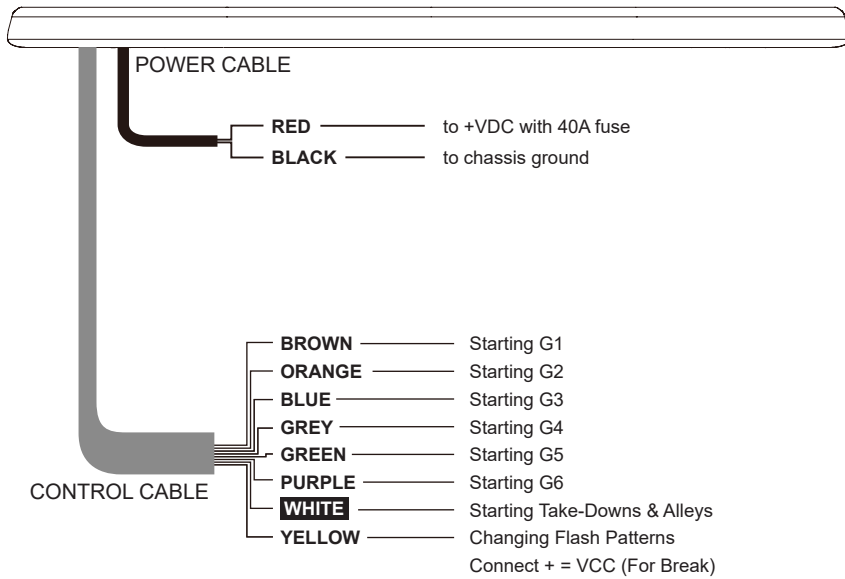
## Table of Contents

<b>WIRING &amp; FUNCTIONS (F2)</b>	<b>86</b>
LIGHTBAR WIRING.....	86
F2 SOFTWARE (8+2 WIRES).....	87
POWER CABLE.....	88
CONTROL CABLE.....	88
STARTING PRIORITY.....	89
FLASHING TAKE-DOWNS & ALLEYS.....	89

## WIRING & FUNCTIONS (F2)

### LIGHTBAR WIRING

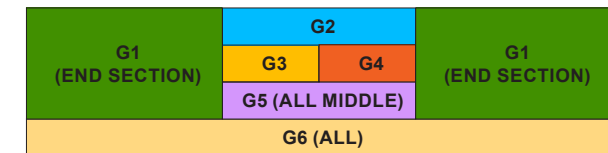
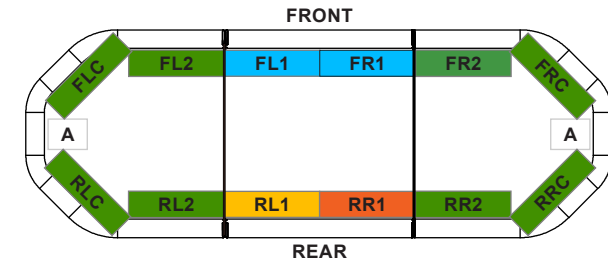
Different applications require different functions. It is highly recommended to determine and configure the required functions prior to Installation; (refer to 'CONTROL CABLE' section).



NOTE: Middle Section lights are independently switched and are not part of R65 Approval.

### F2 SOFTWARE (8+2 WIRES)

No	Wire Colour	Factory Wire Functions	Custom Program
1	Brown	Starting G1	
2	Orange	Starting G2	
3	Blue	Starting G3	
4	Grey	Starting G4	
5	Green	Starting G5	
6	Purple	Starting G6	
7	White	Starting Take-Downs and Alleys	
8	Yellow	Changing Flash Patterns	
		Connect + = VCC (For Break)	



**POWER CABLE**

1. Route Power Cable to the vehicle firewall towards the battery.
2. Follow factory wiring harness through the firewall. It may be necessary to drill a hole in the firewall. Ensure that there are no components that could be damaged from the drilling.
3. Route the cable to the battery.
4. Install a 25Amp fuse (user-supplied) on the end of **RED** wire, then connect to battery.
5. Connect **BLACK** wire to the factory chassis ground adjacent to the battery.

*NOTE: make sure that all wires of power cable are securely connected to power source.*

**CONTROL CABLE**

1. Route Control Cable towards the dash area to a switch panel (user-supplied).
2. Connect the required wires to the switch panel.

**ECE R65 WARNING MODE**

Activate R65 Mode by applying **+VDC** to **BROWN** wire. This activates the lightbar outer sections only. There is a list of built-in flash patterns to choose from. While in R65 Mode, tap **+VDC** to **YELLOW** wire:

- Once for next pattern.
- Quickly 3 times (within 1 second) for FP#0.

FP#	Warning Mode	
0	Double (2Hz)	Split
1	Quad (2Hz)	Split
2	Single (2Hz)	Split
3	Double (2Hz)	All
4	Quad (2Hz)	All
5	Single (2Hz)	All
6	Steady (50%)	

*NOTE: R65 Mode has priority over all other Modes, and will override other functions when active.*

**STARTING PRIORITY**

G6 (At SPLIT flash pattern, the lighthouse arrangement is better to be mirroring). Top priority.

G5 (At SPLIT flash pattern, the lighthouse arrangement is better to be mirroring).

G1~G4 is the lowest priority.

**FLASHING TAKE-DOWNS & ALLEYS**

Activate Flashing Take-Downs & Alleys by applying **+VDC** to **WHITE** wire. To scroll to a different configuration, tap **+VDC** to **YELLOW** wire:

- Take-Downs and Alleys flashing.
- Alleys only flashing.
- Take-Downs only flashing.

*NOTE: Flashing Take-Downs & Alleys have priority over the steady burn functions.*

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