

## FLASHING TDs & ALLEYS

Activate Flashing TDs & Alleys by applying **+VDC** to **RED-BLK** wire. To scroll to a different configuration, tap **+VDC** to **YELLOW** wire:

- TDs and Alleys flashing
- Alleys only flashing
- TDs only flashing

**NOTE:** Flashing TDs & Alleys have priority over the steady burn functions.

## CRUISE MODE

Activate Cruise mode by applying **+VDC** to **GRAY** wire. All corner lighthoods will be activated in low power steady burn. To activate more lighthoods tap **+VDC** to **PURPLE** wire while in CRUISE mode; the lighthoods immediately next to the corner lighthoods will be activated.

## TRAFFIC ARROWS

During Mode 1, Mode 2, or Cruise mode, activate Traffic Arrow functions by applying **+VDC** to:

- **ORANGE** wire for Left Arrow.
- **BLUE** wire for Right Arrow.
- **ORANGE & BLUE** wires for Center Out.

To configure the Traffic Arrow flash patterns, tap **+VDC** to **YELLOW** wire:

- Once for next pattern (refer to Traffic Arrow Patterns chart).
- Quickly 3 times within 1 second for reset to FP#0.

| FP# | Traffic Arrow Patterns  |
|-----|-------------------------|
| 0   | Sweep Single            |
| 1   | Sweep Double            |
| 2   | Sweep Triple            |
| 3   | Sweep Single End-Double |
| 4   | Solid                   |
| 5   | Solid End-Double        |
| 6   | Solid Chaser            |
| 7   | Solid Fade              |
| 8   | Blink Double            |
| 9   | Blink Triple            |
| 10  | Blink Solid             |

**NOTE:** If the bar is equipped with the Dual Color Traffic Arrow option, the rear lighthoods will automatically switch to Amber when the Traffic Arrow function is activated; and will automatically switch back when the Traffic Arrow function is deactivated.

## OTHERS

To activate other functions, apply **+VDC** to:

- **BROWN-BLK** wire for Take Down Lights
- **ORANGE- BLK** wire for Right-Side Alley Light
- **BLUE-BLK** wire for Left-Side Alley Light
- **YELLOW- BLK** wire for Front cutoff
- **GREEN- BLK** wire for Rear cutoff
- **GREEN** wire for Low Power

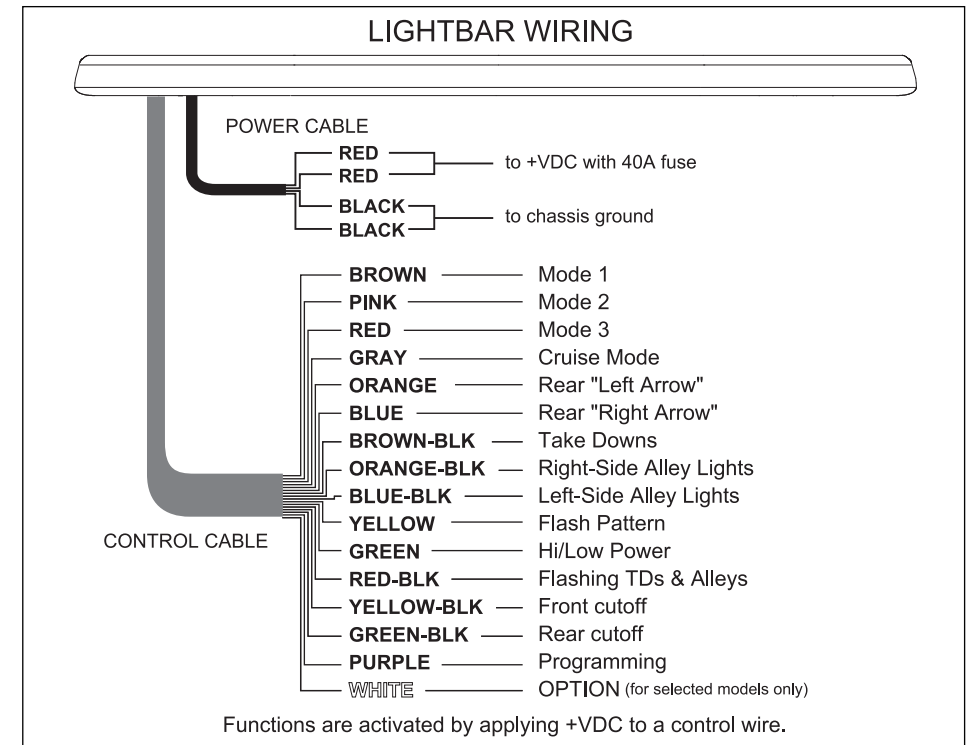
**OPTION** (for selected models only)

**WHITE** wire is to be connected to SW610-T1 Switch Panel (sold separately). For full Dual Color LED lightbars, apply **+VDC** to change LED color during Warning Modes.



## WIRING & FUNCTIONS (L1/M1/C1)

Different applications require different functions. It is highly recommended to determine and configure the required functions prior to Installation.



## 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 no components are damaged from the drilling.
3. Route the cable to the battery.
4. Splice the 2 **RED** wires to form a single wire.
5. Install a 40Amp fuse (user-supplied) on the end of **RED** wire, then connect to battery.
6. Splice the 2 **BLACK** wires to form a single wire.
7. 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.

### MODE 1, MODE 2, MODE 3

In each Mode, there is a list of built-in flash patterns to choose from.

To change flash patterns:

1. Activate the desired Mode by applying **+VDC** to **BROWN**, **PINK**, or **RED** wire.
  - **BROWN** wire for Mode 1.
  - **PINK** wire for Mode 2.
  - **RED** wire for Mode 3.
2. While the Mode is activated, tap **+VDC** to **YELLOW** wire:
  - Once for next pattern (refer to Flash Patterns charts).
  - Quickly 3 times for FP#0.

| FP# | FLASH PATTERNS                   |                     |                     |
|-----|----------------------------------|---------------------|---------------------|
|     | Mode 1                           | Mode 2              | Mode 3              |
| 0   | Single Split (rear only)         | Single Split        | Random              |
| 1   | Quad Split (rear only)           | Quad Split          | Quad Split          |
| 2   | Ultra Split (rear only)          | Ultra Split         | Ultra Split         |
| 3   | Single-Quad Split (rear only)    | Single-Quad Split   | Single-Quad Split   |
| 4   | Side-by-Side Single (rear only)  | Side-by-Side Single | Side-by-Side Single |
| 5   | Side-by-Side Quad (rear only)    | Side-by-Side Ultra  | Side-by-Side Ultra  |
| 6   | Single Split (front only)        | Outside-In Single   | Outside-In Single   |
| 7   | Quad Split (front only)          | Outside-In Ultra    | Outside-In Ultra    |
| 8   | Ultra Split (front only)         | Single All          | Single All          |
| 9   | Single-Quad (front only)         | Quad All            | Quad All            |
| 10  | Side-by-Side Single (front only) | Ultra All           | Ultra All           |
| 11  | Side-by-Side Quad (front only)   | Single-Quad All     | Single-Quad All     |

**NOTE:** Flash Pattern #0 can be user customized by entering PROGRAM Mode, (refer to PROGRAMMING section). All other patterns are still available after customization is done. There is a reset function which restores original factory setting; refer to RESET section.

## PROGRAMMING

FP#0 of each Mode can be user customized.

To configure flash pattern:

1. Activate the desired Mode by applying **+VDC** to: **BROWN** wire (Mode 1), **PINK** wire (Mode 2), or **RED** wire (Mode 3).
2. Enter PROGRAMMING mode by quickly tapping **+VDC** to **PURPLE** wire 3 times within 1 second.
3. Once in PROGRAMMING mode, all lightheades will faintly blink once every second. The inner forward-facing pair of lightheades will be activated.

**NOTE:** If the inner forward-facing heads are Take Downs, then tap **+VDC** to **PURPLE** wire once to scroll to the next pair of lightheades.

4. Tap **+VDC** to **YELLOW** wire:
  - Once for next pattern (see Lighthead Patterns).
  - Quickly 3 times within 1 second for FP#0.

\*If lightbar is equipped with full Dual Color function lighthead color can be changed by momentarily applying **+VDC** to **WHITE** wire:

- Color Mode1 = Color1 only
- Color Mode2 = Color2 only

5. Scroll to the next pair of lightheades by tapping **+VDC** to **PURPLE** wire.
6. Repeat steps 4 and 5 until all lightheades are properly configured.
7. Exit PROGRAM mode by quickly tapping **+VDC** to **PURPLE** wire 3 times within 1 second.

## RESETTING

To restore factory setting:

1. With no wires activated, enter RESET mode by tapping **+VDC** to **PURPLE** wire for more than 1 second.
2. Once in RESETTING mode, the lightbar will display:  
single flash = Mode 1 or double flash = Mode 2 or triple flash = Mode 3
3. Select Mode to reset by tapping **+VDC** to **PURPLE** wire once to change Modes.
4. Apply **+VDC** to **PURPLE** wire for 2~4 seconds to restore factory setting.
5. Exit RESETTING mode by tapping **+VDC** to **PURPLE** wire for 5 seconds or more.

| FP# | Lighthead Patterns  |
|-----|---------------------|
| 0   | Steady              |
| 1   | Single Slow (split) |
| 2   | Single Mid (split)  |
| 3   | Single Fast (split) |
| 4   | Double (split)      |
| 5   | Double (split)      |
| 6   | Quint (split)       |
| 7   | Ultra (split)       |
| 8   | Single-Quad (split) |
| 9   | Single H/L (split)  |
| 10  | Random              |
| 11  | Off                 |
| 12  | Single Slow (all)   |
| 13  | Single Mid (all)    |
| 14  | Single Fast (all)   |
| 15  | Double (all)        |
| 16  | Double (all)        |
| 17  | Quint (all)         |
| 18  | Ultra (all)         |
| 19  | Single-Quad (all)   |
| 20  | Single H/L (all)    |