

WIRING SINGLE / DUAL COLOR

RED ————— to +VDC with rated fuse
(for correct fuse, refer to Fuse Rating chart)

BLACK ————— to Chassis ground

GREEN ————— **[+]** Warning Mode 2 **[P1]**

BROWN ————— **[+]** Warning Mode 1 **[P2]**

YELLOW ————— **[+]** Flash Pattern Selection / Synchronization
Connect **YELLOW** wires of all sticks together for synchronization
(All sticks should be set to the same pattern)

WHITE ————— **[+]** Low Power Operation

NOTE: **[Px]** = Precedence order, when more than (1) wire is activated at the same time, the higher precedence wire will affect lower precedence wire. P1 being the highest priority.

POWER WIRES

1. Route Power Wires to the vehicle firewall towards the battery and follow the factory wiring harness through the firewall. If drilling a hole is required, ensure that no component is damaged from the drilling.
2. Install a fuse (user-supplied) to the end of the **RED** wire, and connect it to the battery. (for correct fuse, refer to Fuse Rating chart)
3. Connect the **BLACK** wire to the factory chassis ground next to the battery.

NOTE: Ensure that all wires of the power cable are securely connected to the power source.

CONTROL WIRES

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

WARNING MODE 1 and MODE 2

Each warning mode is capable of storing / saving one pattern.

To change the flash pattern:

1. Activate the desired Warning Mode by applying **+VDC** to **BROWN**, or **GREEN** wire.
 - **BROWN** wire for Warning Mode 1.
 - **GREEN** wire for Warning Mode 2
2. Let the warning mode run for at least 3 seconds then:
 - a. tap **YELLOW** wire to **+VDC** once quickly to scroll through warning patterns.
 - b. tap **YELLOW** wire to **+VDC** quickly 3 times to revert back to flash pattern #1.

COLOR MODE SETTING (available w/ dual color models only):

1. Disconnect all power, then apply **+VDC** to **BROWN** (or **GREEN**), **YELLOW** and **RED** wire together for at least 3 seconds to enter color setting; the stick will display the current color mode for the activated warning mode.
2. Tap **+VDC** to **YELLOW** wire to scroll through the color mode:
 - a. Color 1
 - b. Color 2
 - c. Color 1&2 Alternating flash
 - d. Color 2&1 Alternating flash
3. Save and exit color setting mode by disconnecting all power.

LOW POWER / DIMMING MODE

Activate dimming function by continuously applying **+VDC** to **WHITE** wire.

Fuse Rating		
No. of Lightheads	12VDC Model	24VDC Model
2-Head	2.0A	1.0A
4-Head	4.0A	2.0A

Warning Patterns		
1	Random	SC
2	All Double [R65]#	SC
3	All Single [2HZ]	SC
4	All Triple [2HZ]	SC
5	All Quad [2HZ]	SC
6	All Steady / Scene	SC
7	All Single [SAE, CA13]	SC
8	All Double [SAE]	SC
9	All Mega	SC
10	All Ultra [SAE]	SC
11	All Single-Quad	SC
12	All Single H/L	SC
13	All Single-Triple-Quint	SC
14	Left Right Single	SC
15	Left Right Double	SC
16	Left Right Mega	SC
17	Left Right Ultra	SC
18	Side-by-Side Single	SC
19	Side-by-Side Double	SC
20	Side-by-Side Mega	SC
21	Side-by-Side Ultra	SC
22	Outside-in Single	SC
23	Outside-in Double	SC
24	Outside-in Mega	SC
25	Outside-in Ultra	SC
26	All Scan	SC
27	Split Scan	SC
28	Left Right Single Mid	SC/DC
29	Left Right Double-Single	SC/DC
30	Left Right Triple-Single	SC/DC
31	Left Right Quad-Single	SC/DC
32	Left Right Single H/L II	SC/DC
33	Left Right Double-Blast	SC/DC
34	Left Right Swing I	SC/DC
35	Left Right Triple-Blast	SC/DC
36	Left Right Swing II	SC/DC
37	Left Right Swing III	SC/DC
38	Left Right Triple H/L	SC/DC
39	Side-by-Side Single Fast	SC/DC
40	Side-by-Side Quad Fast	SC/DC
41	Side-by-Side Double Fast	SC/DC
42	Side-by-Side Quad-Double	SC/DC
43	Composit Quad-Scan-Blast	SC/DC
44	Side-by-Side Mega X *	SC/DC
45	Composite All Scan-Split Scan	SC/DC
46	Composite Triple-Scan	SC/DC
47	Composite Single-Scan-Blast	SC/DC
48	Composite Solid Scan *	SC/DC
49	Composite Solid Scan-Mega *	SC/DC
50	Composite Solid Scan-Blast *	SC/DC

Actual ECE R65 approval is based on the p/n ordered.

* Patterns show full effect in dual color mode.

For dual color models:

SC = Single Color Mode; SC/DC = Single or Dual Color Mode

▀ FIRMWARE SELECTION

All units are pre-set to the firmware of its number of lightheads.

To change firmware:

1. Applying **+VDC** to **RED** and **YELLOW** wires simultaneously for more than 3 seconds to enter FIRMWARE selection.
2. Once in FIRMWARE selection mode, the unit will display one of the following patterns.

2-Head Warning Stick



4-Head Warning Stick



3. Momentarily apply **YELLOW** wire to **+VDC** to scroll through FIRMWARES.
4. Once desired FIRMWARE is selected, save and exit by disconnecting all power.

▀ Q-Lock™ MECHANISM & LIGHTHEAD SWAP

Lightheads in a 4-Head Warning Stick may be quickly removed and swapped using Q-Lock™ Mechanism. For 2-Head units, one of the end caps must be removed.

1. Use a flat-head screwdriver to flip open the Q-Lock™ levers on both sides of the lighthead.
2. Remove the lighthead by pulling it out slowly and evenly from both sides. Inserting a flathead screwdriver into the Q-Lock slot, and into the side of the lighthead to be removed will ease removal.
3. Carefully disconnect the lighthead wire from the wire harness. Assess the connector set-up making sure to push the knob, freeing it from the clip side. Do not attempt to pull the connector apart by pulling on the wires.
4. Connect the new lighthead on to the wire harness. Note the direction and the orientation of the lighthead to ensure the replacement head matches the orientation of other lightheads in the stick. (check wire-exit and lens marking)
5. Push the lighthead slowly and evenly into place.
6. Flip and close all Q-Lock™ levers.

