

LED Warning Stick Manual

WIRING

SINGLE / DUAL COLOUR

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 a wire is activated at the same time, 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 can select and store one flash 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. After 3 seconds, tap **+VDC** to **YELLOW** wire:
 - a. quick once to next pattern (refer to Warning Patterns chart).
 - b. quick 3 times to Pattern #1.

To set colour mode (only available on Dual Colour Models):

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

LOW POWER OPERATION (DIM FUNCTION)

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

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

Warning Patterns			
1	Random/Custom (see "PROGRAMMING")	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 San-Blast *	SC/DC	

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

* Patterns show full effect in dual colour mode.

For dual colour models:

SC = Single Colour Mode; SC/DC = Single or Dual Colour 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.

1. Use a flat-bladed screwdriver to flip open the Q-Lock™ levers on both sides of the removing lighthead.
2. Remove the lighthead by pulling out the lighthead slowly and evenly from both side.
3. Carefully disconnect the lighthead wire from the wire harness.
4. Connect the new lighthead on to the wire harness. Note the direction and the orientation of the lighthead.
(check wire-exit and lens marking)
5. Push the lighthead slowly and evenly into place.
6. Flip and close all Q-Lock™ levers.

NOTE: For 2-Head Warning Stick, remove side-cap with screw driver for lighthead swap.

