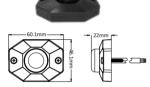
OPERATION INSTRUCTION

LED Lighthead

Specifications



- Voltage: 10-30VPower: 18WLens: PC
- Waterproof Rating: IP67
- o LED Qty: 6pcs
- o LED Color: Amber, Red, Blue, White Green

Important! This unit is a safety device, and it must be connected to its own separate, fused power point to assure its continued operation should any other electrical accessory fail.



- Proper installation of this product requires the installer to have a good understanding of automotive
- Failure to use specified installation parts or hardware will void the product warranty.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made.
- It is recommend that these instructions be stored in a safe place and referred to when performing maintenance or reinstallation of this products.
- Do not install and/or operate this safety product

 unless you have read and understand the safety
 information contained in this manual.

This document provides all the necessary information to allow your product to be properly and safely installed. Before beginning the installation and operation of your new product, the installation technician and operator must read this manual completely.

Installation

Connect the gray wire together with the black wire (negative) to change the flash patterns.

- -- Within 1 second, change to the next flash pattern
- -- 1-3 seconds, change to the last flash pattern
- -- 3-5 seconds, restore default mode (mode 1)
- -- Above 5 seconds, turn off
- * The default mode should be restored before leaving the factory (gray wire connect with negative 3-5 seconds)



Picture 1

NOTE for synchronizing:

• After attaching all wires, (turn on power) touch and hold yellow wires to "+"for 3-4 seconds and all lights will go out for one second and then come back on. They are now synchronized and every time you touch yellow wire to "+ ", it will change the pattern on all lights.

Wiring 2 or more lights to "wig-wag" asynchronization:

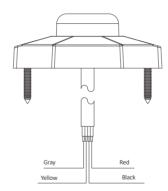
Follow instructions for synchronizing and then attach
one green wire to power and lights will wig-wag back
and forth. You can still change patterns in this mode by
touching yellow wire to "+".

Wiring Instruction

PositiveRED	į
NegativeBlac	k
Change Flash PatternsGray	у
SynchronizationYello	w

Wiring 2 or more lights to synchronize:

- All Red wires to positive (+)
- All Black wires to groud (–)
- All Yellow wires must be tied together and touch to "+ "to change patterns



Picture 2

Flash patterns

2 Single Flash PH2 120 Ver 3 Left Single Flash 120 New 4 Right Single Flash 120 New 5 Single Flash 120 New 6 Single Flash 120 New 6 Single Flash 120 New 6 Single Flash PH1 300 Ver 7 Single Flash PH2 300 Ver 7 Single Flash PH2 300 New 10 Single Flash PH1 300 New 10 Single Flash PH2 75 New 10 Single Flash PH2 10 New 10 Single Flash PH2 12 New 10 Single Flash PH1 10 New 10 Single Flash PH1 10 New 10 Single Flash PH1 10 New 10 Single Flash PH2 12 New 10 Single Flash PH1 10 New 10 Single Flash 10 New 10 Single Flash PH1 10 New 10 Single Flash PH1 10 New 10 Single Flash PH2 10 New 10 Single Flash PH1 10 New 10 Single Flash	Serial	Flash Patterns	FPM	Sync
Left Single Flash 120 Net	1		120	Yes
A Right Single Flash			120	Yes
5 Single Flash H 120 Ne 6 Single Flash H1 300 Ne 6 Single Flash H1 300 Ne 7 Single Flash H1 300 Ne 7 Single Flash H12 300 Ne 8 Single Flash H12 300 Ne 9 Right Single Flash 300 Ne 9 Right Single Flash 300 Ne 9 Single Flash 400 Ne 9 Single Flash 400 Ne 9 Single Flash H14 300 Ne 9 Single Flash H12 75 Ne 9 Single Flash H14 75 Ne 9 Single Flash H14 75 Ne 9 Single Flash H14 75 Ne 9 Single Flash H15 Ne 9 Single Flash 120 Ne 9 Single Flash 100 Ne 9 Single F	3		120	Yes
6 Single Flash PH1 300 Ver 7 Single Flash PH2 300 Ver 8 Left Single Flash H 2 300 Ver 8 Left Single Flash 300 Ver 8 Left Single Flash 300 Ver 9 Right Single Flash 300 Ne 10 Single Flash 300 Ne 11 Single Flash 1 300 Ne 11 Single Flash H 1 75 Ver 12 Single Flash H 1 75 Ver 12 Single Flash PH2 75 Ver 11 Single Flash PH2 12 Ver 11 Single Flash PH2 75 Ver 11 Single Flash PH2 12 Ver 11 Single Flash PH2 12 Ver 11 Single Flash PH2 12 Ver 12 Single Flash 12 Single Flash 12 Own No. 30 Quint Flash PH1 12 No. 30 Quint Flash PH1 12 No. 31 Single Flash 12 Own No. 31 Single Flash 13 Single Flash 13 Single Flash 13 Single Flash 13 Single Flash 14 Single Flash PH2 13 Single Flash 14 Single Flash 14 Single Flash 14 Single Flash PH2 13 Single Flash 14 Single Flash PH2 13 Single Flash 14 Single Flash 14 Single Flash PH2 14 Single Flash			120	Yes
7 Single Flash PH2 300. Yee 8 Left Single Flash 300. Yee 9 Right Single Flash 300. We 10 Single Flash 300. We 11 Single Flash 300. We 12 Single Flash 300. We 13 Single Flash 11 75. Yee 14 Single Flash PH1 75. We 14 December 15 Single Flash PH1 75. We 15 Single Flash PH2 75. We 16 Double Flash PH2 75. We 17 Double Flash PH2 75. We 18 Double Flash PH2 75. We 19 Double Flash PH2 12 75. We 19 Double Flash PH2 12 120. We 19 Double Flash PH2 175. We 10 Cloud Flash PH2 175. We 10 Cloud Flash PH2 175. We 11 Cloud Flash PH2 175. We 12 Right Cluad Flash 75. We 12 Cloud Flash PH2 12 120. We 12 Cloud Flash PH2 12 120. We 13 Cloud Flash PH2 12 120. We 14 Cloud Flash 120. We 15 Cloud Flash 120. We 16 Cloud Flash 120. We 17 Cloud Flash 120. We 18 Right Cluad Flash 120. We 19 Cluad Flash 120. We 10 Cluad Flash 120. We 11 Cluad Flash 120. We 12 Single Flash 20 Cluad Flash 120. We 13 Clutt Flash PH2 130. We 14 Single Flash 20 Cluad Flash 20 Cluad Flash 120. We 15 Single Flash 20 Cluad Flash 20 Cluad Flash 120. We 16 Single Flash 120. We 17 Clutter Flash PH2 130. We 18 Single Flash 120. We 19 Single Flash 120. We 19 Single Flash 120. We 10 Single Flash 120. We 10 Single Flash 120. We 11 Single Flash 120. We 12 Single Flash 120. We 13 Single Flash 120. We 14 Single Flash 120. We 15 Single Flash 120. We 16 Single Flash 120. We 17 Single Flash 120. We 18 Single Flash 200-300+75 Ver 18 Single Flash			120	No
8 Left Single Flash 300. Ye: 9 Right Single Flash 300. No. 10 Single Flash 300. No. 11 Single Flash 300. No. 11 Single Flash 300. No. 12 Single Flash H1. 75 Ye: 12 Single Flash H12. 75 Ye: 13 Single Flash H12. 75 Ye: 14 Double Flash H12. 75 Ye: 14 Double Flash H12. 75 Ye: 15 Double Flash H12. 75 Ye: 17 Double Flash H12. 75 Ye: 18 Double Flash H12. 75 Ye: 19 Double Flash H12. 75 Ye: 19 Double Flash H12. 120 Ne. 19 Double Flash H12. 120 Ne. 20 Quad Flash H14. 75 Ye: 21 Quad Flash H15. 75 Ye: 22 Right Quad Flash 75 Ye: 24 Clud Glash H15. 75 Ye: 25 Quad Flash H15. 75 Ye: 26 Quad Flash H15. 75 Ye: 27 Quad Flash H15. 75 Ye: 28 Right Quad Flash 75 Ye: 29 Quad Flash H15. 120 Ye: 29 Quad Flash H15. 120 Ye: 29 Quad Flash H15. 120 Ye: 20 Quad Flash H15. 120 Ye: 20 Quad Flash H15. 120 Ye: 21 Quad Flash H15. 120 Ye: 22 Quad Flash H15. 120 Ye: 23 Right Quad Flash 120 Ne. 24 Quad Flash H15. 120 Ye: 25 Quad Flash H15. 120 Ye: 26 Quad Flash H15. 120 Ye: 27 Quad Flash H15. 120 Ye: 28 Right Quad Flash 120 Ne. 30 Quint Flash H15. 120 Ne. 31 Quint Flash H15. 120 Ne. 32 Quint Flash H15. 120 Ne. 33 Double Flash - 200 Ne. 34 Septicular Flash 120 Ne. 35 Septicular Flash 120 Ne. 36 Steady 17 Septicular Hash pattern 141 Ne. 41 Ne. 13 seconds change to the last flash pattern 141 Ne. 42 Septicular Hash pattern 142 Ne. 43 Septicular Hash pattern 142 Ne. 44 Septicular Hash pattern 142 Ne. 43 Septicular Hash pattern 142 Ne. 44 Septicular Hash pattern 142 Ne. 45 Septicular Hash pattern 142 Ne. 46 Septicular Hash pattern 142 Ne. 47 Septicular Hash pattern 142 Ne. 48 Septicular Hash pattern 142 Ne. 49 Septicular Hash pattern 142 Ne. 40 Septicular Hash pattern 142 Ne. 41 Septicular Hash pattern 142 Ne. 42 Septicular Hash pattern 142 Ne. 43 Septicular Hash pattern 142 Ne. 44 Septicular Hash pattern 142 Ne. 45 Septicular Hash pattern 142 Ne.			300	Yes
9 Right Single Flash 3000 Net 10 Single Flash 3000 Net 11 Single Flash H1 75 Net 12 Single Flash PH1 75 Net 13 Single Flash PH2 75 Net 13 Single Flash PH2 75 Net 14 Double Flash PH2 75 Net 15 Double Flash PH2 75 Net 16 Double Flash PH2 75 Net 17 Double Flash PH2 75 Net 18 Double Flash PH2 120 Net 19 Double Flash PH2 120 Net 10 Quad Flash 120 Net 10			300	Yes
10 Single Flash 300 No			300	Yes
11 Single Rash PH1 75, Ye 12 Single Rash PH2 75, Ne 13 Single Rash PH2 75, Ne 14 Double Flash PH2 75, Ne 15 Double Flash PH2 75, Ne 15 Double Flash PH2 75, Ye 16 Double Flash PH2 75, Ye 17 Double Flash PH2 120, Ye 18 Double Flash PH2 120, Ye 19 Double Flash PH2 120, Ye 19 Double Flash PH2 120, Ne 10 Quad Flash PH2 75, Ne 10 Quad Flash 120, Ne 10 Quad Flash 120, Ne 10 Quad Flash PH2 12, Ne 10 Quad Flash 120, Ne 10			300	Yes
11 Single Rissh PH1 75 Ver 12 Single Rissh PH2 75 Ner 13 Single Rissh PH2 75 No. 14 Double Rissh PH2 75 No. 15 Double Rissh PH2 75 Ver 15 Double Rissh PH2 75 Ver 16 Double Rissh PH2 75 Ver 17 Double Rissh PH2 120 Ver 18 Double Rissh PH2 120 Ver 19 Double Rissh PH2 120 Ver 19 Double Rissh PH2 120 No. 10 Cup Rissh PH2 75 No. 10 Cup Rissh PH2 12 No. 10 Cup Rissh	10	Single Flash	300	No
12 Single Flash PH2	11	Single Flash PH1		Yes
14		Single Flash PH2		Yes
14 Double Flash PH1	13	Single Flash	75	No
15 Double Flash PH2	14	Double Flash PH1		Yes
16 Double Flash 175 No. 17 Double Flash PH1 120 Ver. 18 Double Flash PH2 120 Ver. 18 Double Flash PH2 120 Ver. 18 Double Flash PH2 120 Ver. 20 Quad Flash 120 No. 21 Left Quad Flash 120 No. 22 Left Quad Flash 120 No. 23 Right Quad Flash 175 Ver. 24 Quad Flash 175 Ver. 25 Quad Flash 175 Ver. 26 Quad Flash 120 Ver. 27 Left Quad Flash 120 Ne. 28 Quad Flash 122 Ver. 29 Quad Flash 122 Ver. 28 Right Quad Flash 122 Ver. 29 Quad Flash 122 Ne. 29 Quad Flash 122 Ne. 29 Quad Flash 122 Ne. 29 Quad Flash 120 No. 30 Quad Flash 120 No. 31 Quad Flash 120 No. 32 Strain Strain 120 No. 33 Double Flash 120 No. 34 Single Flash 120 No. 35 Steady 170 No. 36 Steady 170 No. 37 Off (Trigger Wire) 170 No. 38 Trigger Time Seconds) 170 No. 39 Trigger Time Seconds 1	15	Double Flash PH2		Yes
17 Double Flash PH1 120 Net	16	Double Flash	75	No
19 Double Flash 120 No 20 Quad Flash PH 75 Ne 21 Quad Flash PH 75 Ne 22 Left Quad Flash 75 Ne 23 Right Quad Flash 75 Ne 24 Quad Flash 75 Ne 25 Quad Flash 75 Ne 26 Quad Flash 75 Ne 27 Quad Flash 75 Ne 28 Right Quad Flash 75 Ne 29 Quad Flash 120 Ne 20 Quad Flash PH 120 Ne 20 Quad Flash 122 Ne 21 Quad Flash 122 Ne 22 Quad Flash 120 Ne 23 Quint Flash PH 120 Ne 24 Quint Flash PH 120 Ne 25 Single Flash 120 Ne 26 Single Flash 120 Ne 27 Quad Flash 120 Ne 28 Quint Flash PH 120 Ne 29 Quad Flash 120 Ne 20 Quad Flash 120 Ne 21 Quint Flash PH 120 Ne 22 Quint Flash PH 120 Ne 23 Quint Flash PH 120 Ne 24 Single Flash 200+300+75 Ne 25 Steady 18 Ne 26 Steady 18 Ne 27 Steady 18 Ne 28 Steady 18 Ne 29 Tirgger Time (Seconds) 18 Ne 41 1-3 seconds change to the last flash pattern 41 1-3 seconds change to the last flash pattern 42 3-5 seconds change to the last flash pattern 43 3-5 seconds change to the last flash pattern 44 3-5 seconds change to the last flash pattern	17	Double Flash PH1		Yes
19 Double Flash 120 No.	18	Double Flash PH2	120	Yes
20 Quad Flash PH1 75 Ver	19	Double Flash		No
21 Quad Flash PH2 75 Ye 22 Left Quad Flash 75 Ne 23 Right Quad Flash 75 Ye 24 Quad Flash 75 Ye 25 Quad Flash 75 Ye 26 Quad Flash 75 Ye 27 Quad Flash 75 Ye 28 Right Quad Flash 75 Ne 29 Quad Flash PH2 120 Ye 29 Quad Flash PH2 122 Ye 20 Quad Flash 120 Ne 30 Quint Flash PH2 120 Ne 31 Quint Flash PH2 130 Ne 32 Quint Flash PH2 130 Ne 33 Quint Flash PH2 130 Ne 34 Single Flash 20 Ne 35 Steady 18 Ne 36 Steady 19 Ne 37 Steady 19 Ne 38 Steady 19 Ne 39 Tirgger Time (Seconds) 19 Ne 39 Tirgger Time (Seconds) 19 Ne 40 Change to the next flash pattern 14 1.3 seconds change to the last flash pattern 14 1.3 seconds change the 14	20	Quad Flash PH1		Yes
22	21	Quad Flash PH2		Yes
23 Right Cuad Flash 75 Ne	22	Left Quad Flash		Yes
Quad Flash	23	Right Quad Flash		Yes
26 Quad Flash PH2 12 Ne.	24	Quad Flash		No
26 Quad Flash PH2 12 Ver	25	Quad Flash PH1	120	Yes
27	26	Quad Flash PH2		Yes
28 Right Quad Flash 122 Vec		Left Quad Flash		Yes
29 Quad Flash 120 No. 30 Quint Flash PH1 120 No. 31 Quint Flash PH2 130 No. 32 Quint Flash PH2 130 No. 33 Double Flash*2* Quad Flash*4 75+120 No. 34 Single Flash 200+200+75 No. 35 Autorun 200+200+75 No. 36 Steady 37 Off 38 No. 37 Off 38 SW (Tingger Wire) 39 Tingger Time (Seconds) Ochange to the next flash pattern 41 1-3 seconds change to the last flash pattern 42 3-5 seconds restore default mode (mode 1)	28	Right Quad Flash	122	Yes
30 Quint Flash PH1 120 Net		Quad Flash		No
31 Quint Flash PH2 130 Nex		Quint Flash PH1		Yes
32 Quint Flash 120 No.	31	Quint Flash PH2	130	Yes
33 Double Flash*2* Quad Flash*4 75:120 Yee		Quint Flash		No
34 Single Flash 200+300+75 Yes		Double Flash*2+ Quad Flash*4		Yes
35	34	Single Flash		Yes
36 Steady		Autorun		
Off 38 SW (Trigger Wire) 39 Trigger Time (Seconds) 40 Change to the next flash pattern 41 1-3 seconds change to the last flash pattern 42 3-5 seconds restore default mode (mode 1)		Steady		1
38 SW (Trigger Wire) 39 Trigger Time (Seconds) 40 Change to the next flash pattern 41 1-3 seconds change to the last flash pattern 42 3-5 seconds restore default mode (mode 1)		Off		
39 Trigger Time (Seconds)	38	SW (Trigger Wire)		
40 change to the next flash pattern 41 1-3 seconds change to the last flash pattern 42 3-5 seconds restore default mode (mode 1)		Trigger Time (Seconds)		1
41 1-3 seconds change to the last flash pattern 42 3-5 seconds restore default mode (mode 1)	40			i
42 3-5 seconds restore default mode (mode 1)		1-3 seconds change to the last flash pattern		
	43	Above 5 seconds, turn off		1