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Safety First: This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- **Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.**

- **Whelen Engineering requires the use of waterproof butt splices and/or connectors if that connector could be exposed to moisture.**

- **Failure to use specified installation parts and/or hardware will void the product warranty!**

- **If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.**

- **Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.**

- **For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the NEGATIVE (-) battery post.**

- **Do not attempt to activate or control this device in a hazardous driving situation.**

- **If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows both the vehicle and the control to be operated safely in any driving condition.**

- **This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.**

- **Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.**

- **WARNING! All customer supplied wires that connect to the positive (+) terminal of the battery must be sized to supply at least 125% of the maximum operating current and FUSED "at the battery" to carry that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!**

- **FAILURE TO FOLLOW THESE PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

CAUTION! This product has been designed to rest on top of the vehicle's dashboard. Suction cups are provided to prevent lateral movement while the vehicle is in motion. These suction cups should not be used to suspend this product above the dashboard. Clean suction cup mounting surface thoroughly before mounting.

IMPORTANT! It is the responsibility of the installation technician to make sure that the installation and operation of this product will not interfere with or compromise the operation or efficiency of any vehicle equipment!
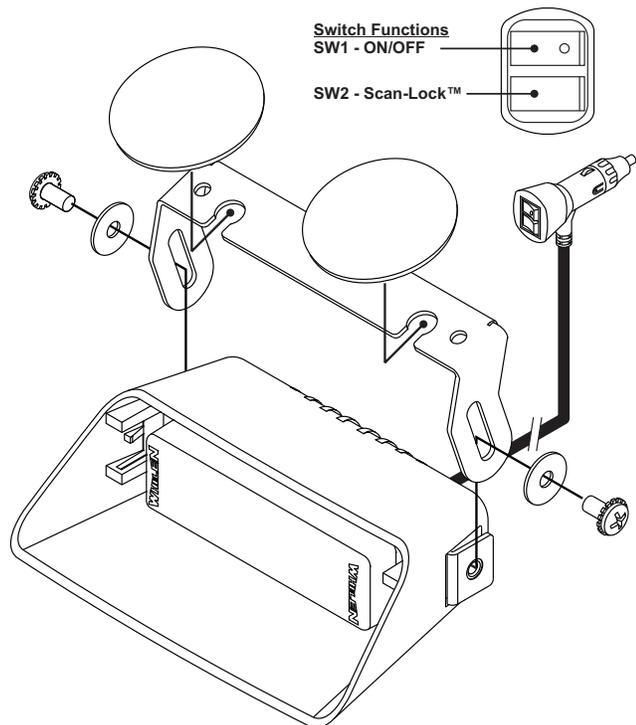
IMPORTANT! The light output of this product should be projected parallel to the road.

TO CYCLE FORWARD, press the Scan-Lock™ button for less than 1 second and release.

TO CYCLE BACKWARDS, press the Scan-Lock™ button for more than 1 second and release.

TO RESTORE FACTORY DEFAULT, turn the power to the unit off. Press and hold the Scan-Lock™ button while turning the power on. Allow this pattern to run for at least 5 seconds to complete the selection.

Scan-Lock™ Patterns:

1. SignalAlert™75 - ALT 1	36. SingleFlash 120 - SIM
2. SignalAlert™75 - ALT 2	37. SingleFlash 300 - ALT
3. SignalAlert™75 - SIM 1	38. SingleFlash 300 - SIM
4. SignalAlert™75 - SIM 2	39. DoubleFlash 150 - ALT
5. CometFlash®75 - ALT 1	40. DoubleFlash 150 - SIM
6. CometFlash®75 - ALT 2	41. ComAlert™ 150 - ALT
7. CometFlash®75 - SIM 1	42. ComAlert™ 150 - SIM
8. CometFlash®75 - SIM 2	43. ActionFlash™ 50 - ALT
9. DoubleFlash 75 - ALT 1	44. ActionFlash™ 50 - SIM
10. DoubleFlash 75 - ALT 2	45. ActionFlash™150 - ALT
11. DoubleFlash 75 - SIM 1	46. ActionFlash™150 - SIM
12. DoubleFlash 75 - SIM 2	47. ModuFlash™ - ALT
13. SingleFlash 75 - ALT 1	48. ModuFlash™ - SIM
14. SingleFlash 75 - ALT 2	49. DoubleFlash 120 - ALT
15. SingleFlash 75 - SIM 1	50. DoubleFlash 120 - SIM
16. SingleFlash 75 - SIM 2	51. PingPong™ 120 - ALT
17. ComAlert™75 - ALT 1	52. PingPong™ 120 - SIM
18. ComAlert™75 - ALT 2	53. TripleFlash™ 75 - ALT
19. ComAlert™75 - SIM 1	54. TripleFlash™ 75 - SIM
20. ComAlert™75 - SIM 2	55. TripleFlash™ 120 - ALT
21. LongBurst™75 - ALT 1	56. TripleFlash™ 120 - SIM
22. LongBurst™75 - ALT 2	57. SigAlert Cal.™ - ALT
23. LongBurst™75 - SIM 1	58. SigAlert Cal.™ - SIM
24. LongBurst™75 - SIM 2	59. Action SF 60/120 - ALT
25. PingPong™ 75 - ALT 1	60. Action SF 60/120 - SIM
26. PingPong™ 75 - ALT 2	61. Action SF 60/TF 120 - ALT
27. PingPong™ 75 - SIM 1	62. Action SF 60/TF 120 - SIM
28. PingPong™ 75 - SIM 2	63. CalScan™ - ALT/SIM
29. SSNF 75 - ALT	64. ActionScan™ - ALT/SIM
30. SSNF 75 - SIM	65. SteadyFlash 60
31. SingleFlash 60 - ALT	66. SteadyFlash 75
32. SingleFlash 60 - SIM	67. SteadyFlash 90
33. SingleFlash 90 - ALT	68. SteadyFlash 120
34. SingleFlash 90 - SIM	69. Steady & Steady
35. SingleFlash 120 - ALT	

ALT = Alternating
SIM = Simultaneous

NOTE: The cigar cord adaptor is equipped with an 8 Amp Fuse. If the fuse must ever be replaced, be sure to use one with an identical value.

Switch Functions
SW1 - ON/OFF
SW2 - Scan-Lock™

For warranty information regarding this product, visit www.whelen.com/warranty