

POLICELIGHTZ



Linear AttackR Warning Light 2,4, 6 & 8 Head Models

Installation & User Manual

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CHAPTER 1

Safety and Precautions for Installers & Users

For the safety of installers and users please read this manual thoroughly before installing, operating and servicing the Police Lightz Linear AttackR Series. The safety guidelines and instructions throughout the user manual are reminders to exercise caution and care at all time. Please make sure to keep this user manual at hand for quick reference. To download copies or updates of this manual please visit www.whackerusa.com. For questions related to this or other Police Lightz products please contact us at policeilightz@gmail.com or call the Police Lightz Technical Department at 888-250-4144.

Note: This equipment is intended for use by authorized personnel only. It is the responsibility of the owner/operator to obey all laws regarding emergency safety equipment. Police Lightz and any of its subsidiaries are not responsible or liable for any loss resulting from improper or unauthorized use of this equipment.



The proper use and installation of all Police Lightz products is important to guarantee that you get full use from safety product. It is important that the installer and user read and follow all instructions shipped with this product.

Before Installation and/or Service

- To prevent damage to products, please ensure that all equipment operates properly before installation. Also carefully plan where to mount and wire the equipment.
- Verify that the lightbar and mounting hardware fit the vehicle (*Note: Universal brackets may not fit the vehicle perfectly*).
- Determine the location to mount the equipment, locate the route for wiring the equipment power cable, locate the route for the function cable.
- The LEDs and lighting components of this equipment including but not limited to the LEDs, strobe tubes, lenses and housing get hot during operations. Please allow all components to cool before installing and/or servicing equipment.

LED & Light Warning

- This equipment produces bright lights that can be hazardous to your eyesight when viewed within close proximity and/or for extended periods of time. Do not stare directly into this emergency lighting equipment within close proximity and/or for extended periods of time as permanent damage to your eyesight may occur.
- Do not install this or any emergency lighting equipment in an area that would block and/or interfere with the operator's driving ability. Care should be taken to make sure that components of the vehicle are not blocking the warning equipment to ensure maximum visibility from all directions.

Electrical & Wiring Warning

- Public safety and warning equipment require high electrical voltages. Ensure that all wiring and connections are properly protected/insulated.
- Good electrical connections to chassis positive and ground are necessary for optimum efficiency. Separate positive and ground connections must be made. Ensure that all wires are rated correctly to handle the amperage requirements of the requirement.

During Installation and/or Service

- Ensure that all equipment and wiring do not interfere with any airbag equipment or its ability to function properly.
- Separate all equipment from two-way radio equipment even if the equipment is equipped with the proper insulation. To avoid interference with some equipment make sure that the two-way radio antennas are a minimum of 50 cm away from warning equipment.
- Do not connect the equipment to the battery until all other connections have been made and tested to ensure no shorts in the system exist.
- If mounting the equipment requires that the installer drills holes, the installer must make sure that no vehicles components can be damaged during the drilling process. To prevent electrical shorts or damage to any of the equipment components ensure that all drilled holes have grommets installed. Also ensure that all mounting screws and components do not damage any of the wires.
- During the drilling process ensure that metal shaving do not get inside the equipment. Metal shavings can damage the internal wiring and parts of the equipment.
- Locate the control equipment so that the user can safely operate the vehicle and the emergency equipment under all driving conditions.

After Installation and/or Service

- Test all equipment to ensure that all functions work properly. Check to make sure that during the installation of the equipment no systems or parts of the vehicle were damaged or altered.

Failure to follow all safety warnings and instructions located in this manual may result in damage to the equipment and/or vehicle, serious injury or death. Please retain this user manual for future reference.

CHAPTER 2

Introduction to the Police Lightz Linear AttackR LED Warning Light Series

The Police Lightz Linear AttackR series is an interior/exterior, warning light system that can be utilized by professionals in a wide range of industries. The Linear AttackR is currently available in 2, 4, 6 and 8 head models with 2" mounting brackets, 3" mounting brackets, "L" mounting brackets or suction cups.

Features & Options

The Police Lightz Linear AttackR warning light series comes standard with 26 self contained warning patterns. The warning light stick comes in standard color configurations of amber, red, blue or red/blue but colors can also be customized per module.

Features:

- Color options: Amber, Red, Blue, Red/Blue or custom color configuration
- 27 Flash Patterns
- 6 and 8 head models have the ability to be used as a directional stick
- 6 and 8 head models come with a six switch control panel

Technical Specifications:

- Dimensions: 9.25"L x 2.5"W x 1.5"H
- Dimensions: 22.5"L x 2.5"W x 1.5"H
- Dimensions: 29.5"L x 2.5"W x 1.5"H
- Dimensions: 39.5"L x 2.5"W x 1.5"H
- Wire Harness: 10'
- 2" Mounting Brackets & Suction cups included (*3" mounting brackets & "L" mounting may be purchased separately*).

CHAPTER 3

Installing the Police Lightz Linear AttackR Warning Light Series

After unpacking the Police Lightz Linear AttackR, carefully inspect the unit for damage that may have occurred during transit. If any damage has been found report the damage to the carrier and keep the original shipping carton until the claim has been resolved and do not install the product. Contact your dealer or distributor to find out how to resolve the issue beyond what the shipping carrier handles. If you are missing parts, contact customer service at 888-250-4144.

Test the unit before installation. To test the unit by either plugging the cigarette plug in the vehicles 12 VDC receptacle or touch the black wire to the ground and the other wires to the +12 volt DC on the automotive battery. If any problems occur at this point do not install the light bar and contact the factory at 888-250-4144.



Only use the mounting equipment and screws supplied with the unit. Installing this unit with non-factory equipment or modifying the mounting equipment may result in damage to the unit and the loss of warranty coverage.

IMPORTANT: Plan all cable routing before beginning the installation of this unit. Ensure that the light system controls for this unit are located in a place where they do not interfere with any vehicle safety equipment and where the control can be safely operated by the end user under all driving conditions. Failure to do so can result in driver errors while operating the vehicle.

Mounting the Linear AttackR Warning Light Series

Interior Vehicle Mounting

2" or 3" Mounting Brackets

1. Determine the desired location where the warning light will be mounted. Ensure that the final location does not interfere with the operator's ability to operate the vehicle and that it does not interfere with any of the vehicle's safety systems.
2. On both ends of the warning light there are two screws holding the endcap in place. To install the mounting bracket remove the screws located on both endcaps.
3. Align the circles located on the endcaps and the mounting bracket ensuring that the bracket faces away from the warning light.
4. Insert the screws back into the endcap but do not tighten the screws until the warning light is positioned at the desired angle.

Mounting to Vehicle with Mounting Bracket Suction Cups

1. Remove the suction cups from the box along with one screw for each of the suction cups.

2. Holding the suction cup next to the mounting bracket, insert one screw into the suction cup ensuring that it does not go all the way through the suction cup. Repeat this for all of the enclosed suction cups.
3. Holding the warning light up to the glass surface in the vehicle rotate the mounting bracket until the desired mounting angle is reached.
4. Tighten the screws on the endcaps to hold the mounting brackets in place.

IMPORTANT: Only use suction cups for mounting the warning light on a moving vehicle if the warning light is resting on a hard surface. Due to the weight of the unit and movement of the vehicle, if the warning light is suspended on any glass surface without additional support the unit may fall. Any damage done to the warning light due to improper installation and disregarding this warning is not covered by any warranty.

Mounting to Vehicle with Mounting Brackets and Included Hardware

IMPORTANT: This mounting method requires drilling holes in the vehicle. The installer must ensure that no vehicle components or safety equipment will be damaged by the drilling process. Any damage to the vehicle or the warning light due to improper installation is not covered under any warranty. DO NOT drill any additional holes in the warning light. Check the entire mounting surface before installation. Remove any metal shavings or shards after drilling and install grommets into all holes, especially those where wires might pass through.

1. Confirm the desired location when the warning light will be mounted in the vehicle.
2. Using the mounting bracket and length of the bar as a guide, mark out the locations where holes will need to be drilled in the vehicle. Set the light bar aside so as no metal shavings come in contact with the bar that could cause damage to the wiring and other internal components.
3. After drilling the holes into the vehicle in the desired location ensure the surface area is cleaned and proper grommets have been installed.
4. Take the warning light stick and hold it in the desired location and mount it securely to the vehicle with the enclosed hardware.
5. Make any adjustments to the mounting brackets to ensure that the warning light is mounted at the proper angle and tighten the screw in the endcaps.

Exterior Vehicle Mounting

“L” Bracket (sold separately)

1. Remove the “L” mounting bracket and enclosed hardware from the packaging.
2. Place the warning light on soft rags or cardboard material with the modules facing down.
3. On the rear of the warning light there is a mounting track. This is when the “L” bracket will attach to the warning light.
4. Depending on the desired height that the warning light will be position either the short or long side of the mounting bracket can be placed flush against the warning light.
5. When the bracket is place on the desired position along the rear of the bar and at the proper height use the enclosed nuts and bolts to secure the “L” bracket in place.

Mounting the Warning Light to the Exterior of the Vehicle

1. Confirm the desired location when the warning light will be mounted to the vehicle.
2. Using the mounting bracket and length of the bar as a guide, mark out the locations where holes will need to be

drilled in the vehicle. Set the light bar aside so as no metal shavings come in contact with the bar that could cause damage to the wiring and other internal components.

3. After drilling the holes into the vehicle in the desired location ensure the surface area is cleaned and proper grommets have been installed.
4. Take the warning light stick and hold it in the desired location.
5. Attach the "L" bracket securely to the vehicle with the enclosed hardware.
6. Make any adjustments to the mounting brackets to ensure that the warning light is mounted in the proper position and height.
7. Tighten any remaining screws.

IMPORTANT: Frequently inspect the warning light and mounting brackets to ensure that all fasteners and brackets are tight.

CHAPTER 4

Wiring the Police Lightz Linear AttackR Warning Light Series

Before wiring the warning light in the vehicle, ensure that the warning light is properly installed and secured to the vehicle with the factory included mounting kit.

This warning light is completely wired at the factory and does not need any additional internal wiring. Most standard functions of this lightbar can be controlled by the factory included cigarette plug or control panel/box.

WARNING

AIRBAG DEPLOYMENT

Do not install equipment or route any wiring of this unit where it may interfere with the deployment of the vehicle installed airbag or other safety equipment. Failure to observe this warning will reduce the effectiveness or operation of the airbag and any other vehicle safety equipment and can cause serious injury or death.

WARNING

BATTERY WARNING

To avoid a battery explosion, disconnect the negative cable first and reconnect it last when installing or maintaining the equipment. Avoid an electrical interference or sparks when connecting the equipment or working near the battery.

1. Ensure that all lines are properly fused with 15 amp fuse (if required). From the lightbar, route the user control wire harness into the vehicle's cab near the eventual location of the factory included control panel/box.
2. Route the power wire harness to the vehicle's battery and connect the red +12 positive wire and black negative wire to the battery.

WARNING

Light control systems including all control panels/boxes must be located in the vehicle so they can be operated safely under all driving conditions. Light control systems must be positioned so as not to interfere with all vehicle safety equipment.

Operation with Cigarette Plug

1. The unit comes standard with a two switch cigarette plug for easy installation and use. The cigarette plug has one power switch and one pattern changing switch.
2. Plug the cigarette plug into any standard 12-24 VDC power socket in the vehicle.
3. Turn the power on using the on/off power button.
4. Select the desired pattern by using the pattern switch.
5. To synchronize multiple AttackR warning lights:
 - a. Use the pattern switch to find the desired pattern. Both units must be on the same pattern to be synced together.
 - b. Connect the two cigarette plugs together with the factory supplied one foot sync cable. The sync cable must be plugged into the same port on both units for them to sync together.

Operation with Hardwire Switch or Non-Factory Control Panel/Box

1. Cut of the supplied cigarette plug to expose four wires.
 - a. Red - Positive Wire
 - b. Black - Ground Wire
 - c. Yellow - Sync Wire
 - d. Blue - Pattern Selection Wire
2. To power the unit connect the red and black wires to a 12-24 VDC power source
3. Connect all wires to desired switch or control panel.

Operation with Factory Included Six Switch Control Panel

1. Ensure that the desired route for all wiring is planned before wiring installation begins. Ensure that the wiring route and location of the control panel does not interfere with the vehicle airbag or safety systems.
2. Remove the factory installed cigarette and three pin adapter from the wire harness.
3. Route the warning light vehicle harness through the vehicle using the plan wiring route until it reaches the desired location where the control panel will be installed.
4. Remove the control panel from the packaging and make sure that the mounting area is clear of all debris.
5. Ensure that the mounting area is large enough to fit the control panel. The factory included control panel dimensions are 7" x 1.5" x 2.5" not including the mounting bracket.
6. Position the control panel in the desired location and mark the location in the vehicle for drilling two holes. Once marked and the holes are drilled install the mounting brackets with the included screws.
7. Plug the short wire harness included with the control panel into the eight pin connector on the rear of the control panel and then connect the wires from the control panel wire harness to the wire harness wires from the warning light.
8. Ensure that the connections are professionally done and well insulated to avoid shorts in the system.
9. Install the control panel to the mounting hardware using the two factory included bolts and adjust the angle of the control panel to the desired position before tightening.

Wire Color	Function
Red	Positive VDC
Black	Ground
Brown	Warning Patterns (Arrow wires must be disconnected)
Orange	Left Arrow
Blue	Right Arrow
Orange & Blue	Center Out
Green	Aux
Yellow	Pattern Selection
White	Only Used when connected to control panel

Flash Patterns With Cigarette Plug & Control Panel Operation

1. Kit Scan
2. Outside-In Single
3. Outside-In Ultra
4. Side-By-Side Single
5. Side-By-Side Ultra
6. Random
7. Single (Split)
8. Double (Split)
9. Quad (Split)
10. Quint (Split)
11. Mega (Split)
12. Ultra (Split)
13. Single-Quad (Split)
14. Single H/L (Split)
15. Single (All)
16. Double (All)
17. Quad (All)
18. Quint (All)
19. Mega (All)
20. Ultra (All)
21. Single-Quad (All)
22. Single H/L (All)
23. Steady 2 (California)
24. Steady 4 (All)
25. Left Chaser
26. Right Chaser

Ordering Replacement Parts

To order replacement parts, please contact your local dealer/distributor unless you purchased the equipment directly from Police Lightz.

Customer Support

Police Lightz.

Phone: 888-250-4144 Option 1

Email: policelightz@gmail.com

Hours: 9:30 AM - 5:00 PM (ET) Monday - Thursday

9:30 AM - 1:00 PM (ET) Friday

Technical Support

If your product is under warranty please contact your local/distributor first. If you purchased the unit directly from Whacker Technologies and are experiencing issues contact:

Technical Support

Police Lightz

Phone: 888-250-4144 Option 2

Email: techsupport@whackerusa.com

Hours: 9:30 AM - 5:00 PM (ET) Monday - Thursday

9:30 AM - 1:00 PM (ET) Friday

Returning a Product to Police Lightz

Before returning a product to Police Lightz call your local dealer or distributor. If you purchased the unit directly from Police Lightz call 888-250-4144 to obtain a Return Merchandise Authorization number (RMA number). To expedite the process please be prepared with the following information:

- Your customer number or account number.
- The order number.
- The quantity of the product being returned.
- Reason for the return.

When you receive your RMA number:

- Write the RMA number on the outside of the box.
- Include the RMA paperwork which will be emailed to you or can be downloaded from our website.
- Write the RMA number down so you can easily check on the status of your equipment.

Send all material with the issued RMA number to:

Police Lightz

1529 Dean Street

Suite 102

Brooklyn, NY 11213

ATTN: Returns Department



1529 Dean Street, Suite 102 Brooklyn, NY 11213

Phone: 888-250-4144

www.whackerusa.com