



U n l e a s h T h e G l o w



NEW GEN

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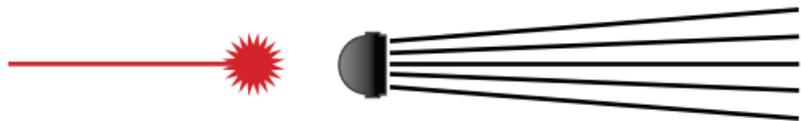
**OWNER'S
MANUAL**

LT-ELP28R

LED Flashlight & Red Laser Combo



CAUTION!



If you need to mount the flashlight & Laser Combo onto a firearm, make sure firearm is not loaded before installation. Remove magazine and examine chamber. Use safe handling procedures at all times.

Always use safe handling procedures at all times. Do not operate the laser if the unit is defective or the cover or seal is damaged.

Avoid direct eye exposure to laser beam or bright reflection as this may cause eye injury.

Do not direct laser beam toward any aircraft, public transportation or other objects with safety concerns. This is very dangerous and may be considered a felony.

Do not direct laser beam toward any person or animal. Direct eye contact with beam or bright reflection may cause eye injury.

Flashlights produce substantial heat during operation. Do not leave activated flashlight unattended. Do not set activated flashlight face down. Do not place activated flashlight against combustible material or material that could be damaged by heat. Do not hold bezel or lens of activated flashlight against any portion of human body. Keep away from children.

Ensure that the flashlight and laser cannot be turned on when stored or being transported. If the lamp is activated while in a case or any container, the lamp could overheat and cause damage to surrounding materials.

Do not touch a hot lamp assembly of the flashlight. Allow it to cool before handling. Avoid touching reflector surface of the flashlight. Always wear safety glasses when handling.

Make sure to turn off the flashlight or disconnect the pressure switch before inspecting bulb and battery if the light cannot be turned on.

Examine battery quality and appearance before use each time and make sure that there is no leaking or any deformation. Dispose appropriately if there is a problem.

The batteries are pre-charged by the manufacturer, and cannot be recharged. Recharging can cause battery leakage or, in some cases, high-pressure rupture. Inadvertent charging can occur if a battery is installed backwards.

Install batteries by aligning the + and – signs marked on the battery with the + and – signs marked on the battery chamber in the light.

Turn off the light/laser and remove batteries from flashlight/laser after use. Leaving battery in without use for long period of time may cause damage or danger. Keep batteries cool and dry.



CAUTION! (continued)

Never use non-rechargeable and rechargeable batteries together in the system. Always replace batteries with the exact type and size specified for the system.

Always replace the whole set of batteries at the same time. Never mix new and used batteries in the system.

Never deliberately short circuit batteries. Prolonged short circuit will cause the battery to lose energy and result in significant temperature increase.

Do not carry the Flashlight and Laser Combo with batteries installed in the car trunk while driving.

Keep battery compartment clean and keep any metallic object away from the battery.

Lithium batteries can explode or cause burns if disassembled, shorted, recharged, exposed to water, fire, or high temperatures. Do not place loose batteries in a pocket, purse, or other container containing metal objects. Do not mix new with used batteries or mix required batteries with other types of battery. Do not store batteries with hazardous or combustible materials. Store in cool, dry, ventilated area. Follow applicable laws and regulations for disposal.



CAUTION: Use of this product, its controls, adjustments, or performance of operations other than those specified herein may result in hazardous radiation exposure.

LT-ELP28R		
Common Specification	Length	2" (50.8mm)
	Weight with Batteries	3.5oz (100g)
	Battery/Qty	CR2 X 1 (3V)
	Pressure Switch	Included
	Mount/Ring	Integral Mounting Deck
	Battery Operating Time	45mins for Dual Operations
Flashlight Specification	Bulb Type	R2 23mm LED IRB*
	Voltage	3V
	Max. Output	120 lumens
	Focus	Preset
Laser Specification	Control & Adjustment	TS & 3 Points
	Beam Movement	8"@50yds
	Type	CLASS 3R (Consistent in All Operations)
	Output Power	2.5~3.1mW
	Wavelength	630~640nm
	Beam Diameter	1"@20yds, 75-79°F
	Operating Temperature	15~100°F (-9.4~37.8 °C)
	Range	500yds
Life Time	8000hrs	
Laser Beam Divergence Value	<2mRad	

*IRB - Integrated Reflector and Bulb

Component Illustration



*IRB - Integrated Reflector and Bulb



The purpose of this diagram is to provide a better understanding of the structure of the Flashlight (and Laser) System. Please do NOT disassemble the product which will void its warranty.

Parts:



Base Locking Key



W/E Adjustment
Allen Wrench 1.5mm



Velcro Pad
for Pressure Switch



Pressure Switch

Textured Push Button
for Flashlight

Operation Selector



Left: Pressure Switch
Activation Mode

Middle: Shut-off

Right: Direct Activation Mode

Textured Push Button
for Laser

Rubber Cover for
Pressure Switch Plug-in



Installation & Operation

Battery Installation

1. Unscrew the Battery Cap in the front by twisting it counter-clockwise.
2. Insert one CR2 lithium battery into the compartment as shown in Fig. 1.
3. Replace the Battery Cap back to the original position until secure.

Pressure Switch Installation

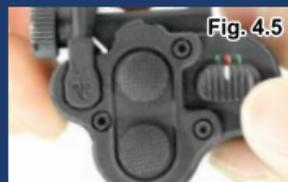
Unplug the Rubber Cover, and then plug the Pressure Switch into the housing securely (Fig. 2.1 – 2.2).

Mounting the Flashlight/Laser Combo

1. Loosen the Cross-bolt Locking Knob (Fig. 3.1).
2. Slide the mounting base onto a rail (Fig. 3.2).
3. Tighten the Cross-bolt Locking Knob at the base with the included Base Locking Key to secure a positive lock on the rail (Fig. 3.3).



Do not over tighten the Cross-bolt Locking Knob as you could cause damage to the main body.



Three On/Off Operations

1. Direct Activation -

- a. Set the Operation Selector to the Direct Activation Mode (Fig. 4.1).
- b. Press and Release the appropriate Push Button(s) to turn on/off the Flashlight, the Laser or Both (Fig. 4.2 - Fig. 4.3).

2. Pressure Switch Activation -

- a. Set the Operation Selector to the Pressure Switch Activation Mode (Fig. 4.4).
- b. Install the Pressure Switch (Fig. 2.1 - Fig. 2.3).
- c. Press and Release the appropriate Push Button(s) to "activate" the Flashlight, the Laser or Both (Fig. 4.2 - Fig. 4.3).
- d. Use the light and/or laser by depressing the press pad of the switch.

Note: Pressure Switch will only work when the light, the laser or both have been "activated" by pressing their Push Buttons first.

3. Shut-off -

- a. Set the Operation Selector to the Shut-off Mode (Fig. 4.5).

Note: Always use the Push Buttons to turn off the light/laser FIRST before using the Operation Selector to shut off the unit.

Windage/Elevation Adjustment

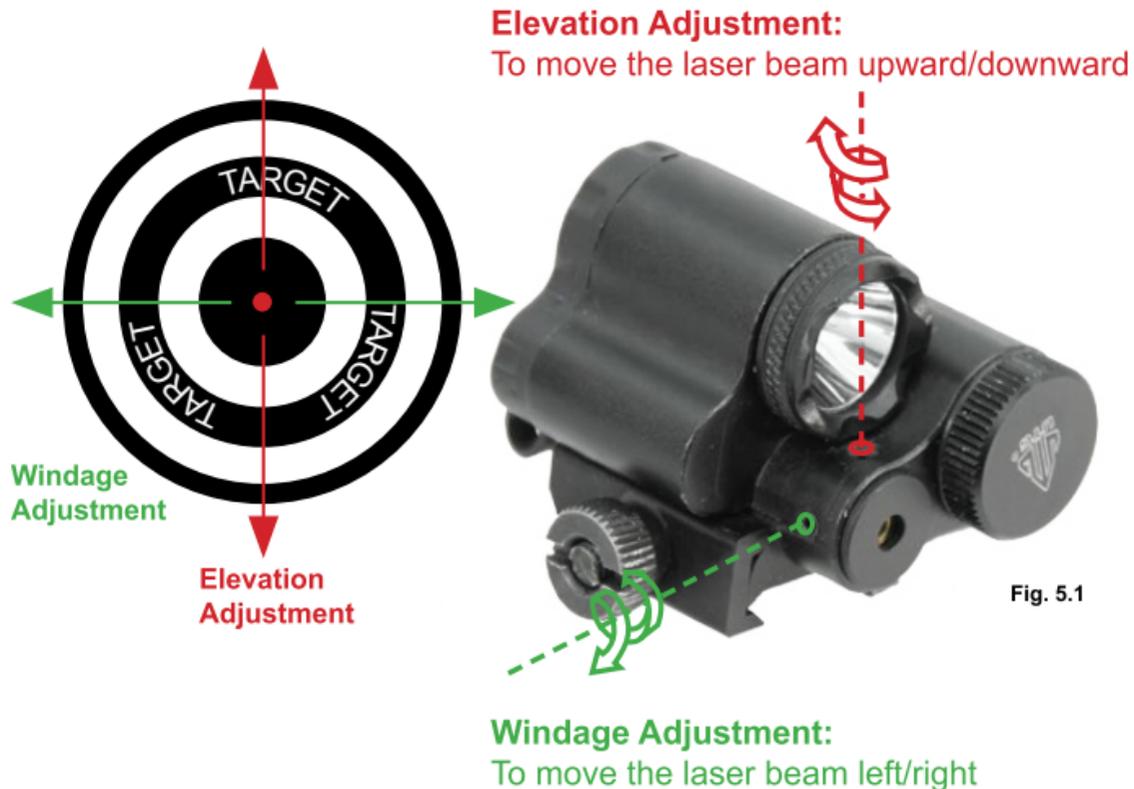


Fig. 5.1

1. Once the Flashlight/Laser Combo is mounted in position, the Adjustment Screw on the bottom of the Laser becomes the Elevation Adjustment Screw, and the Adjustment Screw on the side of the Laser becomes the Windage Adjustment Screw.
2. Stabilize the firearm to minimize any unexpected movement. Fire a test shot. If the impact point of the bullet is exactly in the center of the target, then the Laser Sight is zeroed. Otherwise, it needs to be adjusted based on the bullet impact. To move the laser beam upward/downward, use Allen wrench to rotate the Elevation Adjustment Screw. To move the laser beam left/right, rotate the Windage Adjustment Screw.
3. Keep test firing and adjusting until achieving zero.

NOTE: To optimize the Windage/Elevation Adjustment function, the positions of the W/E Adjustment Screws on each laser unit were pre-set on factory equipment. The Windage Adjustment Screw could be on either side of the unit, thus may appear different from the example illustration in Fig. 5.1. **PLEASE DO NOT ROTATE THE LASER HEAD.** To use the W/E function, refer to the 'IMPACT POINT MOVEMENT INSTRUCTION' table and follow the W/E adjustment instructions on Page 10.

IMPACT POINT MOVEMENT INSTRUCTION		Adjustment Screw Positions (From Rear of Laser)	
			
W/E Adjustment		Bullet Impact Point Movement	
Windage			
			
Elevation			
			

Replacement Parts

Contact your distributor for information:

	
BAT-LIT880	
1PC Set of CR2 Lithium Battery	Pressure Switch

Maintenance

1. Maintain the metal surface of the Flashlight and Laser Combo by removing any dirt or sand with a soft brush to avoid scratching the finish.
2. Store the system in a cool dry place when not in use. Be careful to avoid contact with acid, alkaline or corrosive chemicals.
3. Removed the batteries when not in use. This insures good working batteries for your system and prevents battery leakage.
4. Do not store your system in high temperatures. This would damage your laser sight and may result in battery leakage.
5. Do not put the flashlight head against any surface especially paper or human skin for it has heat and may result in accidents.
6. Do not leave your system under the seat in your car, or in direct sunlight to avoid over-heating.
7. Make sure that power is at off position before storing it away.
8. Do not attempt to lubricate any part of the system.
9. Do not disassemble the system other than replacing light bulb or pressure switch. Do not loosen or remove screws or parts. Any such or similar actions will void the warranty.
10. For laser products, service is only to be handled by authorized factory trained technicians. There is no product service or user serviceable parts allowed by the customer.

One Year Limited Warranty

This warranty covers defects in materials and workmanship of the product, provided that they are purchased from an authorized distributor and purchased and used in the United States. The warranty lasts for a period of one year from the date of original purchase of the product.

You are entitled to rights under this warranty only if you are the original purchaser of the product and have the original purchase receipt. This warranty is not transferable. We will at our option, repair or replace products that do not conform to this warranty. We may use functionally equivalent reconditioned, refurbished, remanufactured, pre-owned or new products or parts.

This warranty is void if:

- the product has been disassembled, tampered with or parts or screws have been removed or loosened; or
- the product has been abused, maliciously damaged, mistreated or used for a purpose contrary to the purpose for which it was designed or the instructions provided with the product.

For Warranty service, please contact your authorized distributor and provide them with a written description of the defect and your original purchase receipt. You must obtain a Return Authorization Number and return procedures with delivery destination before returning the product for repair or replacement. For further warranty service information, contact: Customer Service Department, Leapers[®], Inc., 32700 Capitol Street, Livonia, MI 48150; (734) 542-1500.

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