



Larson Electronics LLC www.LarsonElectronics.com sales@larsonelectronics.com
9419 E US HWY 175, Kemp, TX 75143 - P: (800) 369-6671 - F: (903) 498-3364

EXP-LED-51

CHARGE OVERNIGHT BEFORE FIRST USE!!

USING THE LIGHT

- The EXP-LED-51 features a Head-mounted push button Switch
- Depress the push button switch once to turn the light on at full intensity.
- Depress and hold the switch for one second for low intensity.
- Depress and hold the switch for ten seconds for a very low intensity. (Moonlight Mode)
- A single press of the switch from any “on” mode will turn the flashlight off.

SAFETY CAUTION: LED RADIATION (R-2) - Do not stare into beam. It may be harmful to eyes.

1. The EXP-LED-51 Intrinsically Safe flashlight for use in potentially hazardous locations:
Class I, II, Division 1, Groups C, D, F & G
Class I, Division 2, Groups A, B, C, & D
Class III, 138 C (T3C)
2. SAVE THESE INSTRUCTIONS. This manual contains important safety, operating and maintenance information for your flashlight and charger.
3. To reduce risk of fire, electrical shock, or personal injury, do not attempt to use the charger to recharge any other product. Likewise, do not attempt to charge EXP-LED-51 with any other charger.
4. The EXP-LED-51 contains no user-serviceable parts (except battery). Do not try to repair the unit or charger yourself. In the event that your light should need repair take it to an authorized Repair Center or return it to the factory.
5. Use only the same battery. The contact arrangement in the flashlight precludes the use of other batteries.
Recycle worn out or damaged batteries properly. Do not attempt to incinerate the battery as it may explode in a fire. Handle the battery carefully and never allow it to short circuit.
6. Use of this product for other than a lighting device is not recommended. Magnalight specifically disclaims liability for other than recommended use.
7. Do not open or charge in a potentially hazardous location.
8. Clean only with a damp cloth and a mild detergent in an area known to be nonhazardous.
9. To maintain hermetic integrity periodically inspect the housing and O-rings.

WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.

WARNING: TO PREVENT IGNITION OF A HAZARDOUS ATMOSPHERE, BATTERIES MUST ONLY BE CHANGED IN AN AREA KNOWN TO BE NONHAZARDOUS.



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CHARGING

Fully charge your flashlight before first use. Several charge/discharge cycles may be needed to achieve full battery capacity. The flashlight may be stored in the charger continuously when not in use. To charge the flashlight, first turn it off and insert it into the charger. The triangular plate on the head fits into a mating recess in the charger. With the plate toward the charger, slip the barrel of the light between the charger arms and pull downward until it locks into place. The red LED on the charger housing must light to insure that the battery is being charged. Keep the flashlight and charger contacts clean at all times. Poor contact can cause charger malfunctions. An abrasive pencil eraser works well to clean the contacts. It should be fully charged in 12 hours. Red LED remains on as long as flashlight is in the charger.

FAST CHARGER

The optional fast charger will charge a fully depleted battery within 3 hours. When the flashlight is inserted into the fast charger, the red LED on the charger will blink rapidly a few times and then light steadily, indicating the fast charge rate is being applied. When the charger senses that the battery has received a full charge, the charger switches to a lower maintenance rate and the red LED blinks. A secondary safety circuit will discontinue the fast rate after approximately 3.5 hours if for any reason the primary circuit fails to terminate the fast charge.

NOTE:

Observe the red LED:

- If the LED does not blink rapidly and continuously, indicating a full charge, within 3.25 hours check the contacts and the charger's power supply wiring. If no obvious problem is found, return the system for service.
- Proper function of the fast charge circuitry can be determined by inserting a flashlight into the charger for at least 5 minutes. Turn the flashlight "on" and the red LED should switch to blink mode within 5 minutes. The fast charger is equipped with circuitry to prevent fast charging in temperature extremes (below 40° F and above 115°)
- When temperature is within the acceptable range fast charging will begin.

Before mounting the charger in a vehicle, please read the following sections:

CHARGER MOUNTING

The Charger should never be mounted against any heat sensitive surface. Before drilling any holes, make sure there is room to insert and remove the flashlight. Two (2) self-tapping 8 x 2" screws are included to mount the charger. The correct size hole for these screws in sheet metal is 1/8".



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VEHICULAR CHARGING

A 12VDC power cord is equipped with a cigarette plug and is available for mounting a charger in a vehicle. The plug can be removed and the wires can be attached directly to a power source for a more permanent installation. (A two amp fuse must be used on the positive lead.)

IMPORTANT: Before making electrical connections in a vehicle, keep in mind that a shorted auto battery can easily start a fire. Make all connections with insulated lugs or other connectors intended for such use. Be sure that your installation is fused. The striped power lead is positive and the unmarked lead is negative. When connecting the charger to a fuse block the striped, positive power lead goes to the connector that is dead when the vehicle's fuse is removed. The charger body is electrically isolated from the charge circuit and allows positive ground installations. The charger is diode protected and if connected in reverse polarity simply won't operate until connected properly. Maglight recommends connecting chargers to an unswitched source of power to ensure the flashlight is always fully charged. If the vehicle will not be driven for several days, the flashlight should be removed from the charger to avoid vehicle battery drain. Charging the flashlight with a steady charger draws a constant .2 amperes from a vehicle the optional fast charger will draw between .5 and .7 amps for up to 3 hours during the fast charge period. During maintenance charge, current is pulsing and effectively draws .1 amps.

BATTERY REPLACEMENT

Simply unscrew the tail cap and slide the battery from the flashlight. Replace the battery inserting the contact end first and reattach the tail cap.