

**TROUBLESHOOTING:** If you're experiencing a problem, please follow these troubleshooting steps.

**1. Flashlight will not turn on.** - Test with two fully charged 18650 lithium-ion batteries. (see CHARGER OPERATION). If this does not work, test with the AAA battery adapter. The metal surfaces contacting the barrel, tailcap and battery terminals should be shiny metal without corrosion on them. Corrosion or dirt should be carefully removed.

**2. Flashlight still will not turn, or will not stay, on.** - If replacing the batteries does not solve the problem, check the tailcap. The metal surfaces contacting the barrel, tailcap and battery terminals should be shiny metal without obstruction between them. Any corrosion or dirt should be carefully removed.

**3. If all of the above steps have been followed** and the flashlight still does not perform properly, follow the steps in the How and When to Make a Warranty Claim section, or see the Customer Service section at [www.ecogearfx.com](http://www.ecogearfx.com)

**LIMITED SIX MONTH WARRANTY:** EcoGear FX, Inc. (EcoGear) warrants to the original owner that this flashlight is free from defects in parts and workmanship for six months from the date of purchase. (EcoGear does not warrant the future availability of any particular colors, markings or decorations, and reserves the option to replace items with comparable parts at its discretion.) Registration is not required for warranty coverage. This warranty is in lieu of all other warranties and conditions, express or implied.

**EXCLUSIONS:** This warranty does not cover any of the following:

Damage to or failure of the flashlight or any component thereof due to disassembly, alteration, misuse, battery leakage or lack of maintenance. EcoGear disclaims any responsibility for incidental or consequential damages. Some jurisdictions (countries, provinces, and states) do not allow exclusion or limitation of implied warranties, incidental or consequential damages and/or limitations on transferability, so the above limitations and exclusions may not apply to you.

**HOW AND WHEN TO MAKE A WARRANTY CLAIM:**

If the problem remains unresolved after following the TROUBLESHOOTING guide enclosed, see the Customer Service section at [www.ecogearfx.com](http://www.ecogearfx.com)

**! WARNINGS:**

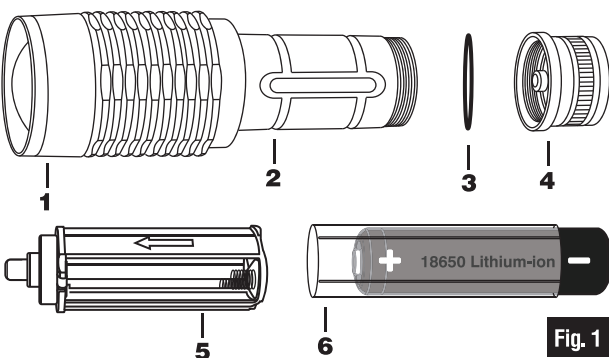
**AVOID EYE INJURY - Do not stare directly into beam or point it directly into anyone's face. Doing so for more than a few seconds could cause retinal damage. Not recommended for use by children under fourteen years of age.** Any battery may leak harmful chemicals which may damage skin, clothing or the inside of the flashlight. TO AVOID RISK OF INJURY, DO NOT LET ANY MATERIAL LEAKED FROM A BATTERY COME IN CONTACT WITH EYES OR SKIN. Any battery may rupture or explode if put in a fire or otherwise exposed to excessive heat. TO AVOID RISK OF INJURY, DO NOT EXPOSE BATTERIES TO EXCESSIVE HEAT. To reduce the risk of personal injury or harm to your flashlight, take the following precautions: • Use only 18650 lithium batteries from a reputable manufacturer. • Do not use different brands of batteries in the same flashlight. • When replacing batteries, always replace the whole set. • Do not use rechargeable or reusable alkaline batteries. • Do not try to recharge batteries that are not specifically designed to be recharged. • Warning: batteries must be inserted correctly. Failure to do so could cause permanent damage to the LED module. • Follow battery manufacturer's instructions as to proper handling, storage and disposal of batteries. • Carefully follow the steps listed under INSPECTION AND MAINTENANCE.



## USER MANUAL

### TK130 Professional Series Flashlight Kit





1. Head Assembly\*
2. Barrel/LED Assembly\*
3. Lip Seal/O-Ring, Tailcap
4. Tailcap/Switch Assembly\*
5. AAA Battery Holder
6. Battery Sleeve (plastic)

\*Do not disassemble or modify (especially the Head Assembly)

Fig. 1

**Power Operation:** To turn the flashlight on/off, **fully depress** the **Tailcap Switch Button** (Fig. 3).

**5 Modes of Operation:** To switch between modes of operation, **partially depress** the Tailcap Switch Button.

**Modes Include:**

High Beam / Medium Beam / Low Beam /  
Disrupter Signal Strobe / SOS Rescue Signal

**Memory Mode Function:** Return to your last light mode with the built in memory function. When changing modes, wait 5 seconds before turning on or off the flashlight in order to activate the memory feature.

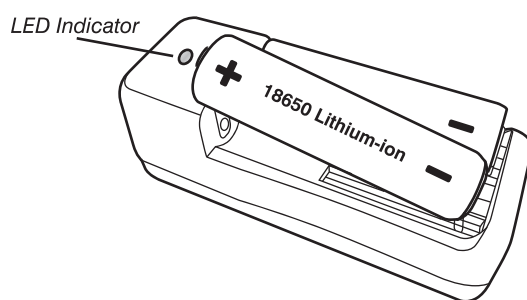


Fig. 3

Fig. 4

**CHARGER OPERATION:** Insert battery/batteries into the charger slots. One or two batteries may be charged at a time. The battery positive (+) end should be facing towards the LED indicator (Fig. 4). Plug the charger into a wall outlet. Incorrectly inserting the batteries will prevent the batteries from being charged and the LED indicator will not illuminate. A red power indicator will illuminate which indicates charging. The green power indicator should illuminate once the batteries are fully charged (typically 6-8 hours for a 3000mAh capacity battery). **Never leave charging batteries unattended.**

**Charging Indicator Lights**

- Turns red to indicate proper charging
- Turns green when charging is complete
- Flashes red when batteries are inserted backwards

Note: Sometimes the green indicator light will not come on when the batteries are charged. This typically happens when there is not good contact between the battery and the charging contact point.

**Warning:** Only use EcoGear FX or other premium 18650 lithium-ion batteries. Other low quality batteries may damage the charger and/or flashlight. Recycle or dispose of batteries properly.

**BATTERY FEATURES:** EcoGear FX premium 18650 lithium-ion batteries offer an integrated PCB protection (Anti-Overcharge, Anti-Overdischarge, Anti-Short Circuit). The internal PCB protection helps to prevent voltage too high or too low which may damage the batteries and charger. Nominal Capacity Max: 3000mAh, Minimum: 2200 mAh, Cycle life: Batteries can be recharged up to 500 times.

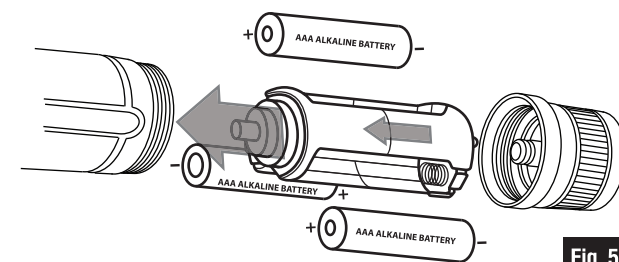


Fig. 5

**AAA BATTERY HOLDER:** This is an alternative power source which requires 3 AAA alkaline batteries (not included). **Always install batteries with the “-” end facing the large spring end of each battery slot in the battery holder as shown** (Fig. 5). Failure to insert batteries correctly could damage the LED module and/or the tailcap electronics. Insert the battery holder in the flashlight with metal post (Fig. 5) **pointed toward the head of the flashlight.**

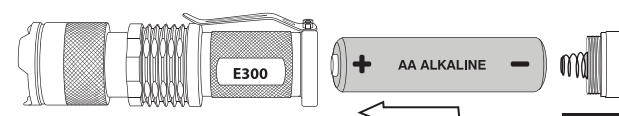


Fig. 6

**MINI FLASHLIGHT (E300):** Offers 300 lumens of light, 7 watts of power, and an adjustable zoom. The flashlight accepts a AA alkaline or lithium 14500 battery (battery not included).

**Battery Installation:** Insert one battery by inserting the “+” end into flashlight first as shown (Fig. 6). Replace tailcap by turning clockwise.

**Power Operation:** To turn the flashlight on/off, fully depress the Tailcap Switch Button.

**3 Modes of Operation:** To switch between modes of operation, partially depress the Tailcap Switch Button. Modes include High, Low, and Disrupter Signal Strobe.

**INSPECTION AND MAINTENANCE:** For prolonged life and efficiency, it is necessary periodically to inspect and perform preventative maintenance on your flashlight as follows:

**1. Inspection** - Any battery may leak caustic solutions or gases which can corrode the inside of your flashlight. You should remove the batteries at least once a month and visually inspect the inside of the flashlight for signs of corrosion.

**2. Separate Storage of Batteries** - If your flashlight is used infrequently, e.g., once a month or less, it is recommended to remove the batteries and store them separately. This helps guard against corrosion and may also prolong battery life.

**3. Maintenance** - Place a small amount of petroleum jelly on all threads and rubber lip seals every six months. If your flashlight is exposed to moisture, or water, lubricant should be applied more frequently.

## Quick Start Guide

- 1 Remove the Tailcap** by turning counter clockwise (Fig. 1, #4).
- 2 Insert (1) 18650 Battery** into battery sleeve which is pre-installed inside flashlight. Insert battery “+” end first and reattach the Tailcap (Fig. 1, #6).
- 3 Test the flashlight** by depressing the Switch Button located on the end of the Tailcap.

**Note:** The 18650 lithium-ion batteries need to be fully charged (approx. 6-8 hours) before using. See CHARGER OPERATION

## WARNING:

**Read and understand all instructions.** Failure to follow all instructions listed, can result in electrical shock, fire and/or serious personal injury.

## SAVE THESE INSTRUCTIONS

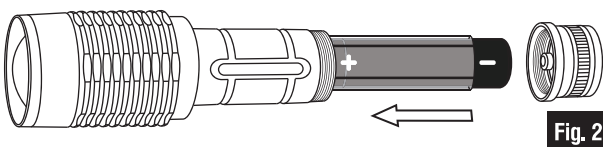


Fig. 2

**FLASHLIGHT OPERATION:** Insert the plastic Battery Sleeve into the flashlight as shown (Fig. 2). Insert one lithium-ion 18650 battery by inserting the “+” end into flashlight first as shown (Fig. 2). Replace tailcap by turning clockwise.

**Overtightening the Tailcap** can damage the O-Ring. Spare O-Ring provided in packaging must be stretched to fit.

**Zoom Feature:** Turn flashlight on. Hold the barrel of the flashlight while pulling the head (zoom) back and forth to operate the zoom focus.