

# User Manual

## GX / MX / SX Models



High Performance Tactical Flashlight  
<http://www.eagletac.com>

EAGTAC GX25L2, SX25L2 and MX25L2 models offer maximum output performance, versatile user interface, tough build quality and rich accessories like no other flashlight offers. This series is designed for police, professionals, and hobbyists.

### Quick Specifications

LED CREE XM-L2/XP-L<sup>HD</sup>/<sub>HI</sub>/XHP<sup>35 50 70 .1/.2</sup>  
Nichia 219 / Luminus SST90/SBT70

Output 4 brightness levels + AUX

Circuit C3500/C4000/W1900/C9500

#### GX25L2 series

Battery EAGTAC 2x18650 battery pack

#### SX25L2 series

Battery EAGTAC 2x26650 battery pack

#### MX25L2 series

Battery EAGTAC 2x32650 battery pack

**IMPORTANT** - Only use the integrated built-in charging socket to charge the original EAGTAC 7.4V battery pack. Charging unbalanced third party 7.4V 18650 battery pack, two individual 3.7V li-ion cells, or any non-rechargeable batteries (e.g. 3V CR123A) may result in flashlight damage or even battery leak or explosion.

**WARNING** - Lithium and Li-ion batteries can explode or cause burns if disassembled, shorted, or exposed to high temperature. Do not mix with used or other battery types or install backwards.

### Battery Safety Precaution

Battery with protruding positive terminal is required for flashlight with physical battery reverse protection. For rechargeable li-ion battery, use EAGTAC li-ion battery, or other li-ion battery with compatible length, diameter, and performance. EAGTAC will not hold any responsibility for incompatibility or damage caused by third party battery or charger.

Before using any battery, check and ensure the battery outer wrapping (the isolating plastic film that wraps around the metal housing of the battery) is complete. Broken battery wrapping may lead to short circuit and damage to the flashlight.

Lithium/Li-ion battery can explode or cause burns if disassembled, exposed to high temperature, or shorted. Do not mix new/fully charged and used batteries. Do not mix batteries with different brand, capacity, voltage, or install batteries backwards. When output starts to dim or low battery voltage warning appears, lower output level to extend runtime, and replace or recharge batteries whenever possible. It is a good practice to not drain the batteries completely. When you are not going to use the flashlight for a long period of time, remove all batteries from the flashlight.

### Quick Start Guide

1) Unscrew the tailcap and **remove the battery isolation disk** at the end of the battery to use. If your flashlight does not come with battery, insert new batteries (w/ protrude top) to use. Ensure positive terminals is facing the LED. Replace tailcap and tighten snugly.



#### Basic ON and OFF

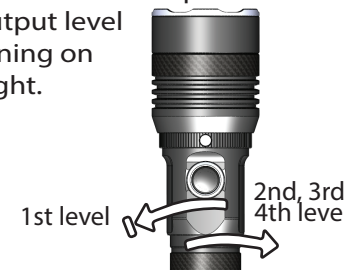
Turn on the light by **press and release** the on/off button switch (<0.4s). To turn off the light, **press and release** the switch again.

For momentary on, **press and hold** the button switch for immediate output.



#### Adjusting output level

Twist the head to select between four output levels. You can pre-select the desired output level before turning on the flashlight.



Level	Tactical Mode	Regular Mode
1st	100%	100%
2nd	10%	35%
3rd	Strobe I	6%
4th	Strobe II	0.1%

To switch between tactical and regular mode, turn on the flashlight at 1st level, dial to 2nd level and then back to 1st level for five times within five seconds.

#### Hidden AUX. settings

With the head at tight position (1st level), loosen to 3rd (or 4th level) and tighten the head within one second to enter AUX. setting. Repeat to cycle through all settings. Turn off the light or loosen the head to quit.

Strobe (I/II) ➔ Hi-Flash ➔ S.O.S. (I/II) ➔ Beacon ➔ Lo-Flash ➔

### Instant Turbo output

At any output level, **press and hold** the flashlight for 100% output. **Release** the button to return to previous level.

### Instant Strobe output

At any output level (even off), **double press and hold** the on/off button switch for strobe output. **Release** the button to return to previous level.

### Battery level indicator

Reports approximate battery life for ten seconds after changing output level or clicking the button switch. When battery level is very low, main LED will flash once every 30 seconds\*. Reduce the output to extend battery runtime.

Secondary LED	Turbo output	Lower output
Blue	60%-100%	20%-100%
Red	25%-60%	5%-20%
Red (flash)	0%-25%	0%-5%

### Charging

For rechargeable models, use EAGTAC DC power adapter (see below), or EAGTAC 12V car charger to charge. Remove the water-proof cap and insert the charging plug to charge (store the cap next to the charging socket). Replace the water-seal cap after charging is complete.

\*This may or may not show in your flashlight, because the protection board on the li-ion battery may shut off the battery before the LED circuit picks up the battery critical signal.



Models	Model specific	Charger	Watt
GX	10V 1.2A or 12V 1A		12W
SX/MX	10V 1.8A or 12V 1.5A		18W

Our advice that you turn off the flashlight during charging for fast and full charge. The charging circuit uses constant current and constant voltage method to charge the li-ion batteries quickly and safely. The secondary LED turns on in solid blue color during fast charge state. When the battery is full, the indicator turns dim. A built-in countdown timer\* is implemented to shut off the charging circuit within 3 hours (or 7 hours for special models). User may remove the charger plug shortly after the charging indicator turns dim for immediate usage.

Secondary LED**	Charge status
Blue	Fast charge
Blue (dim)	Charge complete
LED off	Charging timer expire

\* If the battery is nearly drained, it may only reach to 90%+ capacity with the three hours timer. To reset the timer, simply remove and re-insert the charging plug anytime during charge.

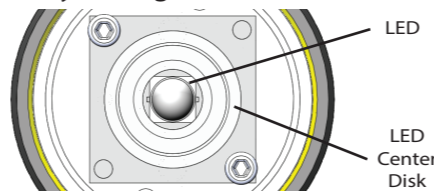
\*\* Since the charging circuit and LED driver share the common output. The secondary LED may flash or light up in very dim output when user starts up or operates the flashlight. This is normal.

### Energy saving feature

This feature reduce output by 20% after 200 seconds at turbo mode.

### Turbo head upgrade

We offer a turbo head upgrade head for tighter beam and brighter hot spot. To exchange the head, un-twist the head and replace it with the turbo head. (Important) Ensure the LED and LED center disc is centered inside the reflector before tightening the head, or it may damage the LED.



### Color and diffuser filter

For models that comes with filter upgrade. Unscrew the stainless steel bezel and replace it with the threaded filter.



\*GX model shown using filter housing w/ flip-over feature. SX and MX model uses standard individual filter add-on.

### How to prolong battery life

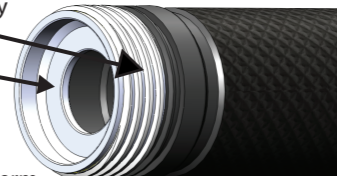
- 1) Recharge often. Do not continuously discharge the battery completely. Li-ion batteries has no memory effect.
- 2) When the flashlight is going to be put in storage for a long time, drain the battery to under 50% capacity for best battery life.

### Maintenance

Periodically clean the thread and o-rings with a lint free cloth and apply a thin coating of EagleTac silicon-based lubricant to the o-rings (not the machined thread).

Clean the battery contact, signal contact (the silver node at the back of the head and the plate on the body tube), thread, and body contact (conductive aluminum area and) with a lint free cloth and use a small drop of Deoxit red cleaner solution (D series) to slightly lube them for better conductivity and smoother mode switching experience. \*Deoxit\* is a trademark of Caig Laboratories, Inc.

Periodically apply Deoxit red [here](#) and [here](#) to ensure mode switching and output stability in long term.



Do not touch or attempt to clean the reflector, as it will damage the reflective coating permanently.

Troubleshooting - Flashlight does not turn on or fails to switch between outputs normally:

- 1) Charge your flashlight or battery
- 2) Ensure tailcap is tight
- 3) Clean all conductive contacts (see maintenance section)
- 4) Check battery polarity

### "No Hassle" EAGTAC Warranty

For repair, replacement, or other inquiries contact your EAGTAC dealer. You can also reach our customer support via email at support@eagletac.com.

We warrant our flashlights to be free from defects in workmanship and materials. We will repair, replace at our option, without charging any product or part which is found to be defective under normal use within 120 months from the date of purchase with the proof of purchase.

Electronics, chargers and rechargeable batteries are covered for a period of 12 months with purchase receipt. Such repair or replacement shall be the purchaser's sole and exclusive remedy under this warranty. Normal wear and tear including batteries draining is not covered, nor is damage resulting from modification, misuse, abuse, neglect, faulty battery, battery leakage, improper maintenance or repaired by anyone other than EAGTAC or authorized dealer.