

User Manual

TX3 GX3 SX3 MX3 TX30 GX30

1X series



High Performance Tactical Flashlight
http://www.eagtac.com

WARNING: Unprotected li-ion battery

!! EAGTAC unprotected li-ion battery is never designed or intended to be used inside different flashlight model (including EAGTAC and other brand), e-cigarette, vaporizer, or any other electronic device. Doing so can be very dangerous and it is at your own risk !!

Never let the battery come into contact with any metal objects as it will short circuiting the battery and may cause fire or explosion. Do not put the battery in the pocket, purse, bag or elsewhere. Always use plastic battery case for transportation or storage and keep away from heat. Always Keep away from children or pets.

Li-ion battery is very sensitive to charging and discharging characteristics and may cause burn or explosion if misused or mishandled. Never discharge this li-ion battery under 2.7V and never charge it over 4.2V. Always discharge and charge the battery with compatible electrical current. Discard any over-discharged battery or any battery with broken outer wrap.

Always charge the battery inside EAGTAC intended flashlight model on a fire-proof surface. Do not modify the battery in any form.

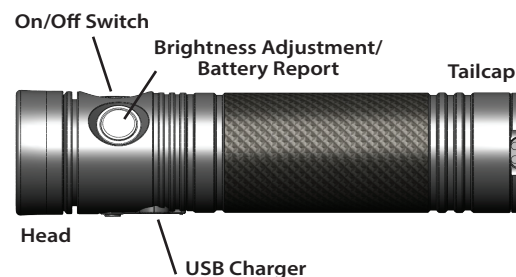
Only use **EAGTAC** or **EAGTAC authenticity verified** li-ion battery in this flashlight. EAGTAC and its dealers will not be held responsible or liable for any injury or damage caused by any third party battery, any third party battery charger, or any improper usage or mishandle of its battery and battery charger.

This EAGTAC series pack big lumen and far projecting beam in a very convenient and compact body. They offer fast charging, built-in safety battery protection, versatile user interface, and tough build quality like no other. Be crazy lumen output with you in the dark.

Quick Specifications

| | |
|---------|--|
| LED | CREE XHP35/XHP50/XHP70 XP-L/XM-L2/Nichia 219 |
| Output | 5 brightness levels + AUX |
| Circuit | W1900 (2.7 to 4.2V input) C3800 (2.7 to 8.4V input) |

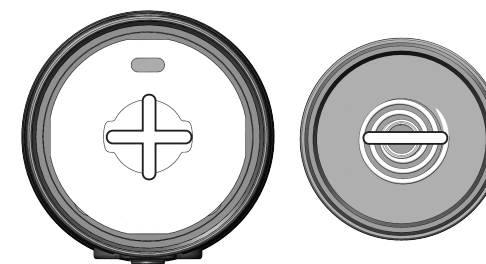
* Built-in battery protection board to allow the use of high current unprotected li-ion battery.



WARNING Included li-ion battery do not have any built-in battery protection. Take extreme care while handling them. Serious damage can occur if the battery is shorted, over-discharge/charged.

Quick Start Guide

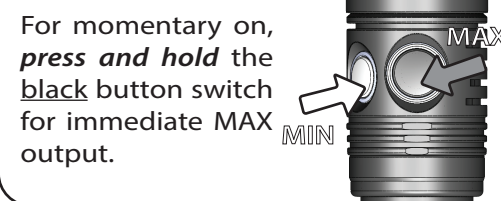
Unscrew the tailcap and remove the plastic insulator disc. Ensure the battery positive terminal facing the LED head, and negative terminal facing the tailcap.



For battery storage or transportation, always use a plastic battery case.

Basic ON and OFF

Turn on the light at MAX output by **pressing** the **black** button switch. To turn on the light at MIN (customizable) output, **press** the **white** button switch. To turn off the light, **press and release** the **black** button switch.



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

Adjusting output level

With flashlight turned on, **press and release** the **white** button switch to cycle to the next output level.

| Output Levels | Level | Output |
|---------------|-------|--------|
| | 1st | 100% |
| | 2nd | 45% |
| | 3rd | 14% |
| | 4th | 5% |
| | 5th | 1% |

Flashlight will enter hidden AUX output after completing at least two cycles of output brightness level.

AUX1 ▶ AUX2 ▶ ... ◀

Programmable startup brightness

Switch to the desired brightness level and continuously **press and hold** the **white** button switch for three seconds to set it as the startup brightness level.



Instant MAX output

Press and hold the **black** button switch for 100% output. **Release** the button to return to previous level.

Instant Strobe output

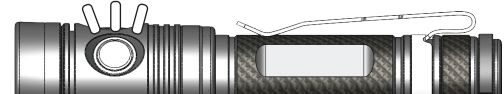
Double press and hold the **black** button switch for strobe output. **Release** the button to return to previous level.



Battery level indicator (blue)

After turning on the flashlight or switching levels, it reports the battery capacity (estimated) by flashing itself.

| # of Flash | Battery Capacity |
|------------|------------------|
| 1 | <20% |
| 2 | 20-50% |
| 3 | 50-80% |
| 4 | >80% |



At higher output levels, the reported capacity will be lower than dimmer level. This is due to lower underload voltage at higher output levels.

Level I - LED driver battery protection

The flashlight lowers MAX output to second level when the battery is almost depleted at 2.8V. When the battery is further discharged to 2.7V, the LED driver will lower to MIN output. If the battery voltage at MIN output reads 2.7V, the flashlight will turn off.

Level II - Internal PCB battery protection

To allow the use of high current unprotected li-ion battery safely, PCB battery protection is built inside the flashlight as the secondary protection.

| | |
|-------------------------------------|------|
| Low voltage cut-off | 2.5V |
| MAX continuous discharge current | 8A |
| MAX Pulse discharge current | 12A |
| Flashlight short-circuit protection | YES |
| Flashlight over-charge protection | YES |

Insert new battery may trigger internal PCB battery protection. User may need to reset the protection by charging the flashlight with battery inside.

High operational temperature

Flashlight can run extreme hot at MAX output. Do not leave the flashlight running on MAX unattended. Lower the flashlight output to lower level if you find the flashlight too warm to hold.

Active thermal management

After 60 seconds at MAX output, this feature activates and continuously adjusts the MAX output according to the internal temperature. It adjusts its MAX output between 70% to 100% and maintains the surface temperature to about 140°F (60 °C) or lower depending on room temperature.

Li-ion Charging (Rechargeable model)

Remove the waterproof cover and insert the charging plug to charge. The flashlight will switch off the LED output during charge and reports the current charged percentage by flashing its indicator.

| # of Flash | Charge progress |
|-------------|-----------------|
| 1 | <50% |
| 2 | 50-75% |
| 3 | >75% |
| Constant ON | 100% (done) |

Color and diffuser filters

Insert the filter cover directly on the flashlight head to use. The filter cover door can be locked in place using a small size cable tie.



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.

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

- 1) Check and replace batteries
- 2) Ensure tailcap is tight
- 3) Ensure the flashlight head is tight
- 4) Clean all conductive contacts
- 5) 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, reversed charging damage, improper maintenance or repaired by anyone other than EAGTAC or authorized dealer.