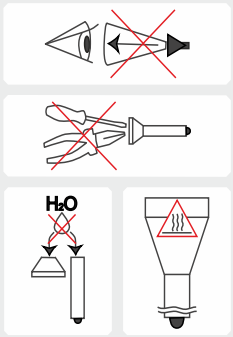
Warnings



1. Always follow the instructions from this manual and recommendations on battery usage.
2. Apply only the recommended power sources.
3. Do not reverse battery polarity.
4. Do not use different power sources together, i.e. old ones with new ones, charged with discharged. Do not use different types of batteries combined as the element with less capacity can be damaged.
5. Do not modify or recast the flashlight and its components as it will deprive you of the warranty.
6. Do not allow water or any other liquid to leak into the flashlight.
7. Do not aim a switched-on flashlight at people's or animals' eyes – it can cause temporary blindness.
8. Do not allow children to use the flashlight without your assistance.

! *The producer will not be liable for any harm done to the user if it was caused by improper use of the product.*

Care and Storage

It is recommended to clean the threads and O-rings off dirt and old grease once or twice per year. Remember that reliable protection from water and dust cannot be provided by worn out sealing. The fouling as well as lack of lubricant cause fast wear-out of threads and sealing rings. **To clean the threads do the following:**

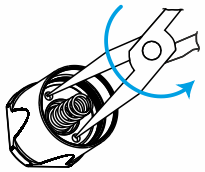
1. Unscrew the tailcap and remove the sealing ring carefully with a toothpick (do not use sharp metal things as they can damage the ring).
2. Wipe the sealing ring thoroughly with a soft cloth (or tissue). Do not use solvents. If the sealing ring is worn out or damaged replace it by a new one.
3. Clean the metal threads with a brush using ethanol. Be careful not to allow the applied liquid to get inside the flashlight or tailcap as it can cause fails in functionality of the flashlight.

After cleaning lubricate the thread and the sealing ring with polyalphaolefin-based silica grease, e.g. Nyogel 760G.The application of automotive and other improper grease can cause swelling and damage of the sealing rings.

In case of active operation and exploitation in dusty environments, it is recommended to perform cleaning and lubricating of the parts as often as required.

In case the rubber button is damaged, it should be replaced. You can also replace the switch with the spring in the same way. Replacement order:

1. Unscrew the tailcap.
2. Unscrew the first washer inside it to take out the switch. To do so you should use needle-nose pliers (round-nose pliers or another tool, the most suitable will be expansion pliers). Use the tool as it is shown at the picture. To replace the rubber button unscrew the second washer under the switch.
3. Replace the rubber button and assemble the parts in inverse sequence.



! *Do not disassemble the flashlight except for unscrewing the thread ring gage and replacing the rubber button. There are no other parts in the flashlight that can be replaced by the user.*

Service and Warranty

Armytek provides free warranty repair for 10 years (excluding batteries, chargers, switches and connectors which have 2 years warranty) from the date of buy with the document confirming the purchase.

Guarantee does not extend to damage during:

1. Improper usage.
2. Attempts to modify or repair the flashlight by nonqualified specialists.
3. Longtime application in chlorinated or polluted water, or other liquids (other than water).
4. High temperatures and chemicals' exposure (including the exposure of liquid from defected batteries).
5. Usage of low-quality batteries.

Armytek Optoelectronics Inc.
Web: www.armytek.com Email: service@armytek.com
Address: 13-85 West Wilmot St, Richmond Hill, Ontario, L4B 1K7, Canada

Specifications are subject to change without notice.

Viking PRO

THE MOST TECHNICALLY ADVANCED

USER MANUAL

Thank you for choosing the products of Armytek Optoelectronics Inc., Canada.
Please read this manual carefully before using the flashlight.

Specifications

Armytek Optoelectronics Inc. is a Canadian manufacturer that produces powerful and reliable flashlights designed especially for your needs. The components made in the USA and Japan. **10 years no-hassle warranty**.

- Amazing brightness – up to 2300 LED lumens.
- Extremely far throw up to 370 meters.
- Comfortable light 5:40 for efficient hunting with shotguns.
- Constant brightness even in -25°C frost and with almost discharged batteries.
- The highest IP68 dust- and waterproof standard – more than 5 hours at 50 meters depth.
- Reliable body, red/green/blue filters and original remote switches for comfortable Hunting and secure Military application.
- Guaranteed durability – stands up the recoil of any gun gauge and falling from 30 meters height.
- Record runtime with 1x18650 Li-Ion battery in Firefly mode – 100 days.

Model		Viking Pro XHP50	Viking Pro XP-L
LED		Cree XHP50	Cree XP-L
Optics		Orange Peel Reflector	Smooth Reflector
Brightness stabilization type		FULL (constant light)	
Light output, LED / OTF lumens*		2300 / 1800	1250 / 1050
Peak beam intensity, candelas		20500	33500
Hotspot / spill		10° / 80°	5° / 40°
Beam distance*		286 meters	366 meters
Modes, light output (OTF lumens*) and runtimes (measured with 18650 Li-Ion 3400mAh until the light output drops to 10% of the initial value)	Turbo2	1800 lm / 1h	1050 lm / 1.3h
	Turbo1	900 lm / 1.7h	750 lm / 1.8h
	Main3	390 lm / 4h	410 lm / 3.5h
	Main2	165 lm / 10.5h	190 lm / 8.5h
	Main1	30 lm / 50h	32 lm / 36h
	Firefly2	1.7 lm / 40d	2.5 lm / 18d
	Firefly1	0.15 lm / 200d	0.4 lm / 100d
	Strobe2	15Hz / 1800 lm / 2h	15Hz / 1050 lm / 2.7h
	Strobe1	15Hz / 165 lm / 22h	15Hz / 190 lm / 17h
Power source		1x18650 Li-Ion / 2x18350 Li-ion** / 2xRCR123 Li-ion** / 2xCR123A	
Size and weight (without batteries)		Length 154mm, body diameter 25.4mm, head diameter 41mm, weight 126g	

* Light output for flashlights with Warm light are about 7% less, beam distances are about 3% less.
** It is allowed to use only protected Li-Ion batteries.

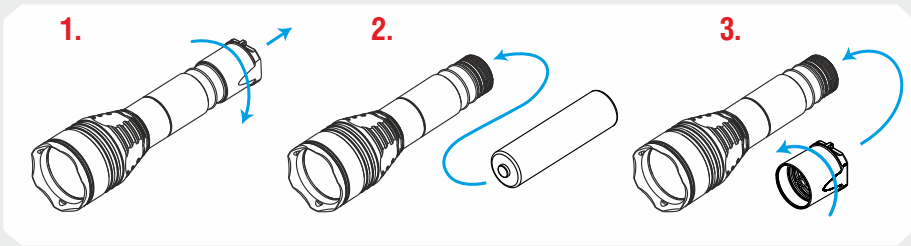
Set description

Items included in the package:

1 - Flashlight
2 - Clip
3 - Rubber grip
4 - Lanyard
5 - Holster
6 - Spare rubber button
7 - 2 spare O-rings
8 - User manual

!
- ✓ *Your flashlight can inconsiderably differ from the pictures in the manual.*
- ✓ *The producer reserves the right to change the package at his own discretion without modifying this manual.*

Initial Service



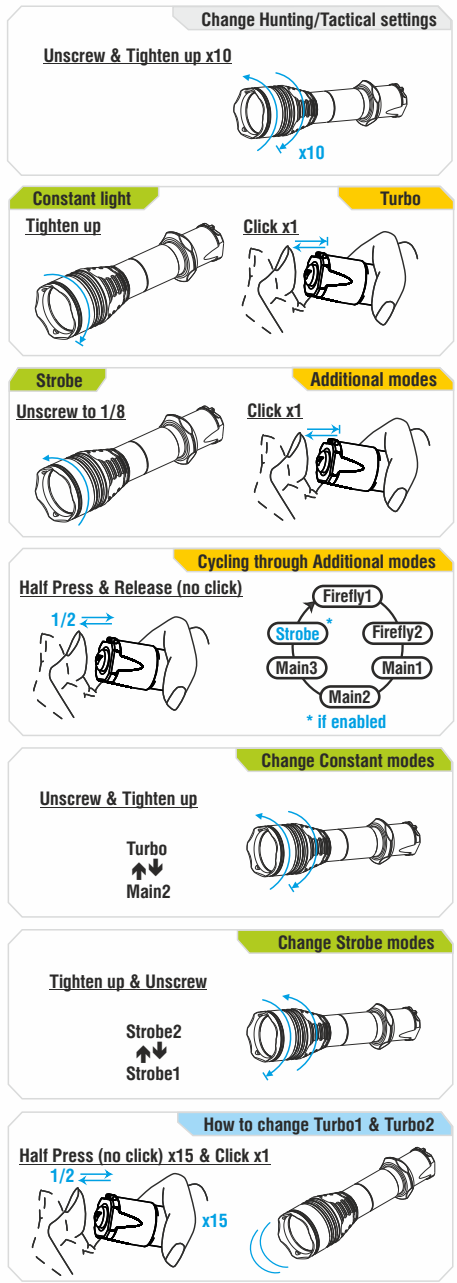
To set/replace batteries:

1. Unscrew the tailcap.
2. Place the batteries with the positive contact (+) facing the head of the flashlight.
3. Adjust the tailcap and tighten it as far as it can go.

!
- ✓ *We DO NOT RECOMMEND to use low-quality CR123A batteries, because they can explode. Turbo mode needs rechargeable 18650 Li-Ion batteries without PCB (unprotected) or with PCB which guarantees 7A discharge current for stable work.*
- ✓ *We DO NOT RECOMMEND to leave power sources inside the flashlight for a long storage period, as batteries can leak for various reasons and damage the inner parts of the flashlight. If you want to keep your flashlight in a stand-by state with batteries in then use new and high-quality batteries and store the flashlight in acceptable for batteries operational temperature and revise the batteries' state at least once a month. If you have noticed any signs of batteries' defects then withdraw them from the flashlight and utilize. It is also recommended to replace discharged batteries with new ones before the storage as the chance of leakage is higher with discharged batteries.*

Active temperature control. The flashlight can quickly heat up in Turbo mode. When the temperature becomes +60°C – the brightness decreases by small steps. After cooling-down (provided that battery voltage is sufficient) the brightness increases to the Turbo mode again. This stepping goes cyclically to maintain the user's safety and the flashlight's functionality. In conditions of good air-cooling the flashlight delivers light without stepping down even in Turbo mode. There are no preset timers for stepping, but real-time active temperature measurements.

Operation



Momentary on – any mode switched on by half-pressing of the button (no click!) and active till the button is released. It is suitable for giving signals by short button pressings. Click the button to switch the light on permanently.

Hunting settings – comfortable modes for hunting. **It's set by default.** Turbo mode (when the head is tightened up) and Additional modes with constant light (changed by click with the head unscrewed to 1/8). Remote switch can be used in Turbo.

Tactical settings – made for Special forces and Airsoft. Constant light (when the head is tightened up) and Strobe mode (when the head is unscrewed to 1/8). There are 2 Strobe modes and 2 Constant light modes for selection. Remote switch can be used in ANY mode.

How to change the settings from one to another – unscrew and tighten up the head of the flashlight at least 10 times (while rotation you will change the modes). The pause must be <1 sec.

Hunting settings:

Turbo. Tighten the head of the flashlight if it is unscrewed. First full click of the button turns the light on. Second full click turns it off.

Additional modes (2 Firefly + 3 Main + Strobe (if enabled)). If the head of the flashlight is tightened up, unscrew it for 1/8 of a circle. Full click of the button turns the light on at the last used Additional mode.

Cycling through Additional modes. To switch the mode turn the flashlight off and on (by full click or half-pressing). The modes switch cyclically: Firefly1 – Firefly2 – Main1 – Main2 – Main3 – Strobe (if enabled).

How to add/ remove Strobe in Additional modes. Switch on the flashlight by half-pressing of the button at least 20 times. Last switch should be clicked completely. The flashlight blinks, confirming the action.

Tactical settings:

Constant light. Tighten the head of the flashlight if it is unscrewed. First full click of the button turns constant light on. Second full click turns it off. Also you can switch it on by half-pressing of the button (no click).

Change Constant modes. The head is tightened up: unscrew it for 1/8 and tighten up again – Turbo and Main2 will switch cyclically.

Strobe. If the head is tightened up, unscrew it for 1/8 of a circle. First full click of the button turns Strobe on. Second full click turns it off. Also you can switch it on by half-pressing of the button (no click).

Change Strobe modes. The head is unscrewed: tighten up and unscrew it for 1/8 again – Strobe1 and Strobe2 will switch cyclically.

How to set Turbo1 and Turbo2. Switch on the flashlight by quick half-pressing of the button at least 15 times. Last switch should be clicked completely. The flashlight blinks once (confirming the selection of Turbo1) or 2 times (confirming the selection of Turbo2).

Lock-out function. Unscrew the tailcap to 1/4 for the protection from accidental switching on.

Automemorizing. After switching off the last used Mode is memorized for quick 1-click access at next switching on.

Low Battery Indication. If the brightness is <25% from the nominal value, the LED flashes 2 times ONCE (after 30sec from switching on). If you are not sure if it flashed or not switch the flashlight off and on: in case the battery is low flashes will repeat. Light output decreases to Firefly mode at critical level.