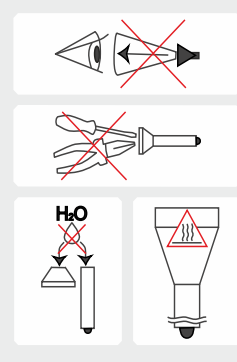


## Warnings



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:**

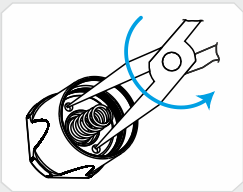
1. Unscrew the tailcap and remove the sealing ring carefully with a toothpick (do not use sharp metal things as they can damage the ring).
2. Wipe the sealing ring thoroughly with a soft cloth (or tissue). Do not use solvents. If the sealing ring is worn out or damaged replace it by a new one.
3. Clean 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](http://www.armytek.com) Email: [service@armytek.com](mailto:service@armytek.com)  
 Address: 13-85 West Wilmot St, Richmond Hill, Ontario, L4B 1K7, Canada

Specifications are subject to change without notice.

# Dobermann

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.**

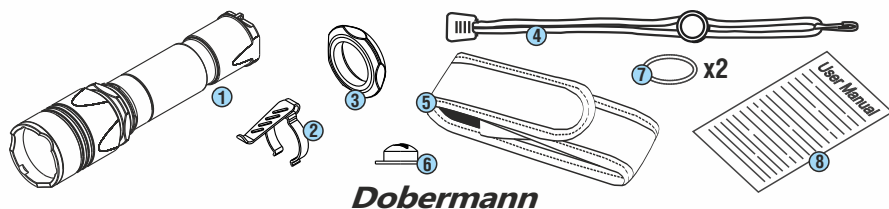
- Amazing brightness 1200 LED lumens and focused narrow light at the distance up to 380 meters for precise aiming.
- Compact and light-weight flashlight with good price for comfortable mounting on weapon.
- The highest standard of durability – stands up the recoil of 12 gauge shotgun, no-break operation after falling from the height and even at the 50 m depth.
- Perfectly selected brightness modes and easy operation for comfortable use.
- Marvelous light characteristics at available price for those who need a simple and reliable underbarrel flashlight.
- Compatibility with the accessories for hunting – remote switches and mounts.
- Record runtimes: 1.5 hours at maximal mode and up to 18 days at minimal mode.

Model	Dobermann XP-L HI	Dobermann XP-L	Dobermann (Green)	Dobermann (Red)	
LED	Cree XP-L High Intensity	Cree XP-L	Cree XP-E2	Cree XP-E2	
Optics	Smooth Reflector				
Brightness stabilization type	DIGITAL (CPU brightness control)		FULL (constant light)		
Light output, LED / OTF lumens*	1200 / 1000	1250 / 1050	240 / 200	200 / 160	
Peak beam intensity, candelas	36250	24750	18750	11250	
Hotspot / spill	5° / 40°	8° / 40°	5° / 40°		
Beam distance*	381 meters	315 meters	274 meters	212 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)	Turbo	1000 lm / 1.5h	1050 lm / 1.5h	200 lm / 4h	160 lm / 4h
	Main3	370 lm / 3.8h	410 lm / 3.8h	120 lm / 7h	75 lm / 7h
	Main2	170 lm / 9h	190 lm / 9h	75 lm / 19h	40 lm / 19h
	Main1	28 lm / 48h	32 lm / 48h	25 lm / 48h	12 lm / 48h
	Firefly	1.7 lm / 18d	2.5 lm / 18d	3 lm / 18d	1 lm / 18d
Strobe	15Hz / 1000 lm / 3h	15 Hz / 1050 lm / 3h	15Hz / 235 lm / 8h	15Hz / 180 lm / 8h	
Power source	1x18650 Li-Ion / 2x18350 Li-ion / 2xRCR123 Li-ion / 2xCR123A				
Size and weight (without batteries)	Length 140mm, body diameter 25.4mm, head diameter 34mm, weight 115g				

\* Light output for flashlights with Warm light are about 7% less, beam distances are about 3% less.

**!** We DO NOT RECOMMEND to use LOW-QUALITY CR123A batteries as a power source for often and continuous flashlight's operation. Remember that old or low-quality disposal batteries can be damaged under heavy load and explode.

## Set description



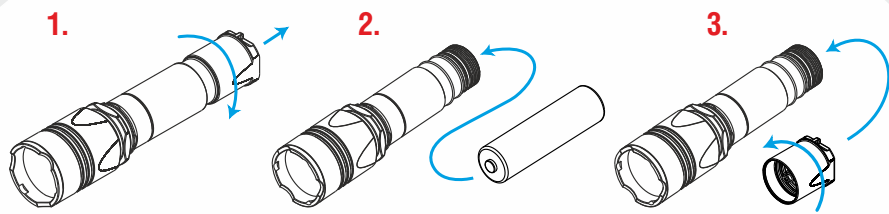
**Dobermann**

### Items included in the package:

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

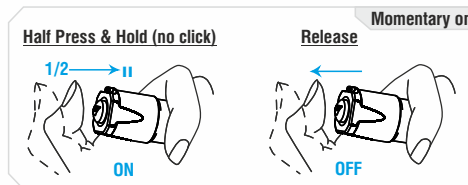
! We DO NOT RECOMMEND to leave power sources inside the flashlight for a long storage period, as batteries (especially, non-rechargeable) can leak for various reasons and damage the inner parts of the flashlight. If you want to keep your flashlight in a stand-by state with batteries in then use new and 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.

## Operation

The flashlight has two operational variants:

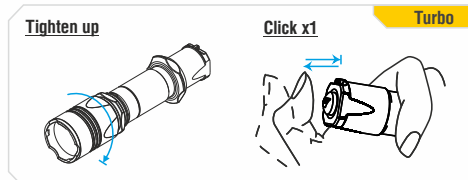
**Turbo** – permanently switched light at Turbo mode (activated by click with the head of the flashlight tightened up). It's an easy and comfortable operational mode for Hunters, especially when the flashlight is used with a remote switch.

**Additional** – permanently or intermittently switched light at one of the Additional modes at user's choice (activated by click with the head of the flashlight unscrewed to 1/8). Additional modes: Firefly, Main1, Main2, Main3, Strobe (hidden).



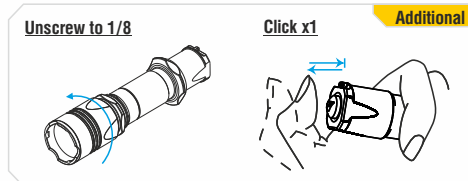
### Momentary on.

Any mode switched on by half-pressing of the button and active till the button is released. In Turbo mode suitable for giving signals by short button pressings. In Additional mode quick half-pressings can be used to switch modes.



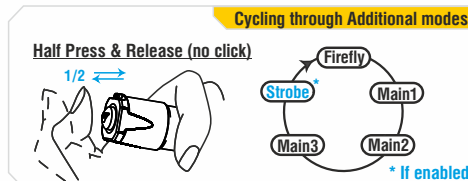
### Turbo.

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.



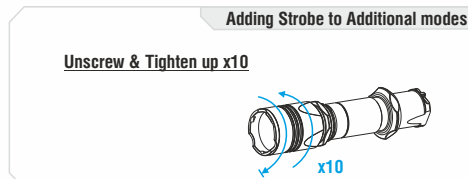
### Additional modes (Firefly + 3 Main + Strobe (if enabled)).

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: Firefly - Main1 - Main2 - Main3 - Strobe (if enabled).



### Adding Strobe to Additional modes.

Strobe is a hidden mode which you can add or remove from the additional modes at your choice. To enable (remove) Strobe: 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.

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

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

**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.