OLIGHT Perun X & Perun Ultra USER MANUAL

Specifications

Light Sources			Perun X	Perun Ultra
White Light Modes	Spot + Pure Flood	Turbo	2,000~600~300 lm / 1 min+2 h+2 h	2,400~600~300 lm / 1 min+2 h+2 h
	Pure Flood		1,000~600~200 lm / 2 min+2 h+2 h	
	Spot	High	1,000~600~300 lm / 2 min+2 h+2 h	1,400~600~300 lm / 2 min+2 h+2 h
	Pure Flood		600~200 lm / 150+80 min	
	Spot	Medium	300 lm / 6 h	
	Pure Flood		200 lm / 8 h	
	Spot	Low	50 lm / 38 h	
	Pure Flood		50 lm / 30 h	
	Spot	Moonlight	1 lm / 33 d	
	Pure Flood		1 lm / 33 d	
	/	SOS	50 lm / 60 h	
Red Light Modes	/	High	60 lm / 7 h	
	/	Low	10 lm / 30 h	
	/	Moonlight	1 lm / 10 d	
	/	SOS	60 lm / 20 h	

General Specifications		Perun X	Perun Ultra
Net Weight (g/oz)		120 / 4.23	130 / 4.59
LED	Spot	Max. 1 x 20 W	
	Pure Flood	Max. 7 x 2.1 W	
	Red Light	Max. 1 x 1.5 W	
Dimensions (mm/in)		108 x 26.2 x 26.5 / 4.25 x 1.03 x 1.04	109 x 27.5 x 27.2 / 4.29 x 1.08 x 1.07
Light Materials		AL6061-T6	OAL
Maximum Light Intensity (cd)		22,500	30,625
Maximum Throw (m)		300	350
Drop Resistance (m)		1.5	
IP Rating		IPX7	
Operating and Charging Temperature (°C)		0~45	

Battery Information	Perun X / Perun Ultra
Battery Capacity	4,000 mAh
Battery Voltage	3.6 V
Battery Energy	14.4 Wh
Charging Methods	USB-C / MCC*
Full Charge Time	4.0 h (USB-C) / 4.0 h (MCC)

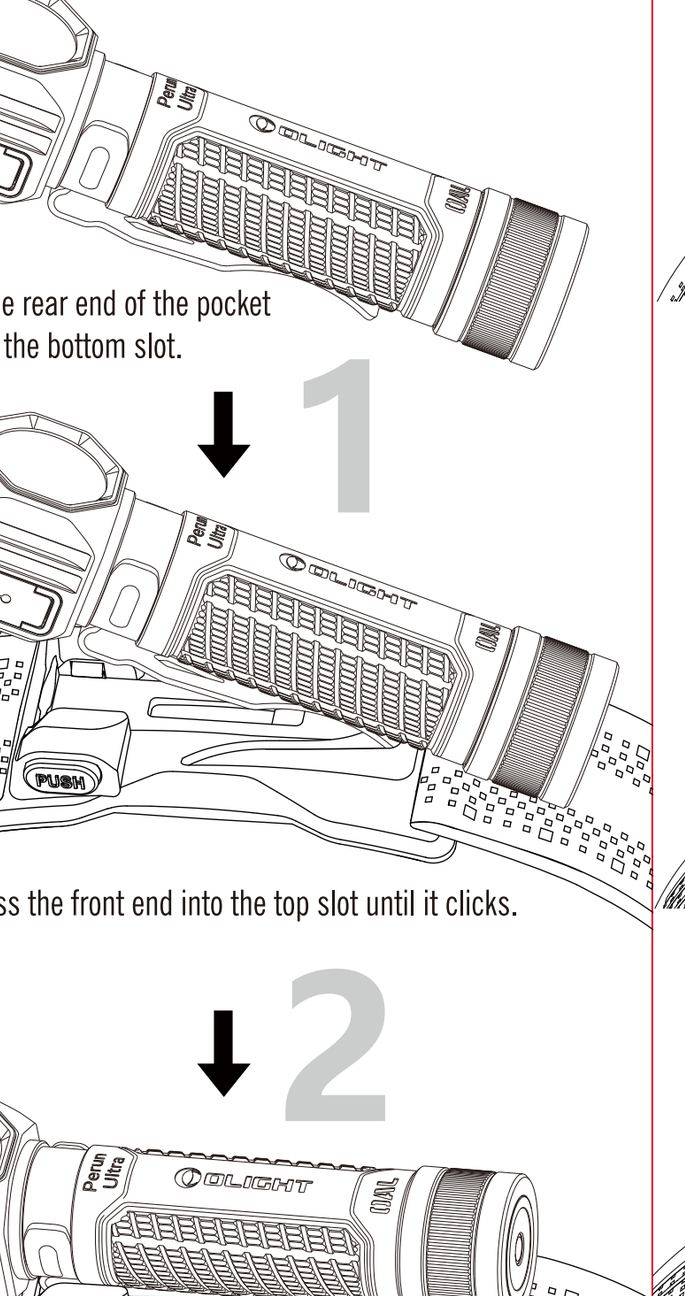
* The MCC Charging Cable is an optional accessory.

www.olight.com

Operating Instructions

Function			Operations	Perun X	Perun Ultra
Mode Selection (Rotate the Selector)	White Light Mode	ON/OFF	Single press side button	●	●
		Moonlight	When off, press and hold side button until light turns on to enter Moonlight	●	●
		Turbo	Double-press side button	●	●
		SOS	Quickly press side button 3-5 times	●	●
		Change Brightness	When on, press and hold side button	●	●
		Proximity Sensor ON/OFF	When on, press side button at least 10 times consecutively	●	●
	Red Light Mode	ON/OFF	Single press side button	●	●
		Moonlight	When off, press and hold side button until light turns on to enter Moonlight	●	●
		SOS	Quickly press side button 3-5 times	●	●
		Change Brightness	When on, press and hold side button	●	●
Lockout Mode		Lockout	When off, press and hold side button (>2 s)	●	●
		Unlock	When locked, press and hold side button (>2 s)	●	●
Adjust the Headband		Tighten/ Loosen	Rotate headband dial clockwise / counterclockwise	/	●

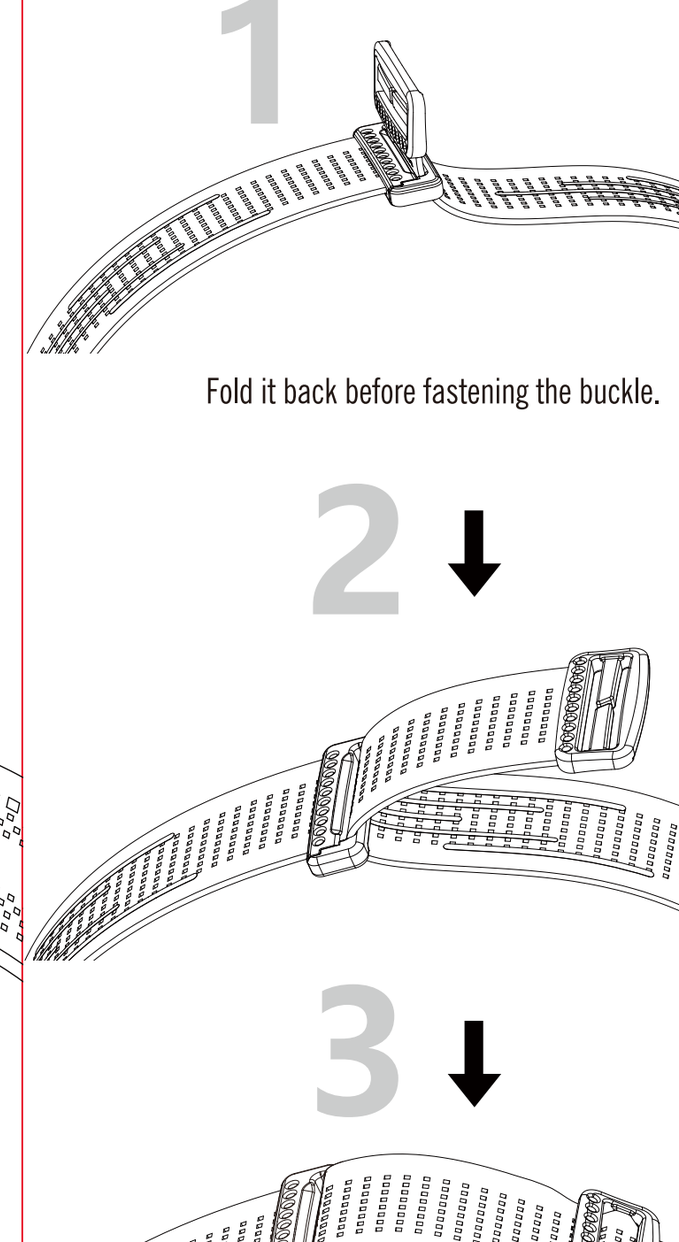
Place the Headlamp Into the Bracket of the Headband



Insert the rear end of the pocket clip into the bottom slot.

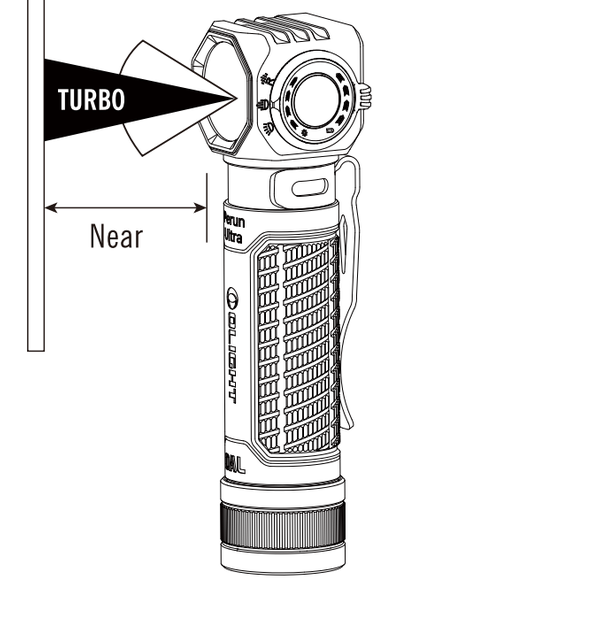
Press the front end into the top slot until it clicks.

Reassemble the Perun X Headband



Fold it back before fastening the buckle.

Proximity Sensor Safety Protection



Proximity Sensor: If the light is obstructed in High or Turbo, output automatically drops to Medium. The headlamp turns off after one minute of continuous obstruction. Once the obstruction is removed, you can reselect the desired mode. Within 5 seconds of dimming, re-enter High or Turbo to temporarily disable the sensor. The sensor resets after power-off.

DANGER

- Keep the battery away from fire and other heat sources. Do not throw the battery into a fire.
- Please do not disassemble the battery.
- Do not intentionally use metal objects to short-circuit the positive and negative terminals of the battery.

WARNING

- Do not use damaged, deformed battery, or battery with broken sleeve.
- Keep the light locked out when carrying or transporting it to prevent burning accidents caused by abnormal activation.
- Do not stare directly at the light source or shine it into your eyes, as it may cause temporary blindness and, in severe cases, permanent damage to the eyes.
- Do not cover the light outlet at close range, as the energy radiated by the light may cause external objects to burn.
- Do not remove non-standard batteries for external charging.
- Do not charge the light with any non-specified chargers.
- Do not leave the light in a car where the inside temperature may be over 60°C, or in similar places.

NOTICE

- Do not put a hot light into any type of fabric bag or fusible plastic container.
- Do not put it in your mouth or lick it, as leakage from the charging port may cause discomfort.
- Keep the charging port clean and dry.
- Do not activate the maximum brightness mode multiple times continuously to prevent the high temperature on the surface.
- When the light gets hot, please switch it to low brightness mode, or shut off the flashlight temporarily.
- Active thermal management: The built-in thermistor monitors the temperature of the light in real time and suppresses overheating by reducing the output.
- Do not use a charging port that has been short-circuited by metal or conductive objects.
- Do not disassemble the product.
- If the product is left unused for a long period of time or is being carried and transported, please loosen the flashlight body by half a turn to disconnect the power supply.

REMARK

- It is recommended to use a USB adapter with a power output of 10W (DC5V2A) or higher. If the output is lower than 10W, the charging time may exceed the specified time.
- Please protect the lens and prevent scratching, as the scratches may cause the sensor to dim the Turbo mode output.
- Please keep the lens clean, as the dirt or water drops on the lens may cause the sensor to dim the Turbo mode output.
- The runtime of Turbo mode to maintain the highest brightness varies with ambient temperature and heat dissipation conditions. The better the heat dissipation, the longer the runtime.
- The light will memorize the current mode when it is powered off, including the following modes: Moonlight, Low, Medium, and High (after the light is turned off, High mode will be memorized for 1 minute before reverting to Medium mode). However, if the light is turned off while in Turbo mode, High mode will be memorized instead and will also revert to Medium mode after 1 minute.

EXCLUSION CLAUSE

Olight is not liable for damages or injuries sustained resulting from the usage of the product inconsistent with the warnings in the manual, including but not limited to using the product inconsistent with the recommended lockout mode.

Scan the QR code to visit **www.olight.com** for more.

Scan the QR code to access the **instructional video.**

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FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

ISED Notice

This device complies with Industry Canada's ICES standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux normes ICES d'industrie Canada.L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi,même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-005.

Cet appareil numérique de la classe B est conforme à la norme NMB-005 du Canada.

WEEE Disposal and Recycling Information

All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, to protect human health and the environment, you should dispose of your waste equipment at a designated collection point for the recycling of WEEE, appointed by the government or local authorities. Proper disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

EU Declaration of Conformity

Hereby Zhongshan Olight Manufacturing Co., Ltd declares that the products [Perun X, Perun Ultra] are in compliance with Directive 2014/30/EU and RoHS Directive 2011/65/EU & (EU) 2015/863. The full text of the EU declaration of conformity is available at the following internet address:

https://www.olight.com/download

The electrical connection during the charging operation shall be done indoors.

The battery may only be replaced by the battery provided or indicated by the luminaire manufacturer.

Do not use the flashlight while charging.

Hot surface: Taking care to avoid coming into contact with a hot surface.

The light source of this luminaire is not replaceable:

When the light source reaches its end of life the whole luminaire shall be replaced.

Due to the small physical size and structural limitation of the product, the available marking area on the product is extremely limited and cannot accommodate the CE marking with a minimum height of 5mm.

The CE marking is therefore reduced in proportion while ensuring it remains legible, indelible, correctly proportioned and easily visible. This reduction is solely due to physical space constraints and does not affect compliance.

- Actual height of the CE marking: 4 mm.
- Location of the CE marking: On the product housing.

WARRANTY

We are proud to offer a lifetime warranty in Australia, China, France, Germany, and the USA. We are also working hard to expand coverage to more countries, where we provide a 2 or 5-year warranty. The warranty covers defects in material and workmanship under normal use, excluding loss, theft, deliberate damage, or cosmetic damage. For complete warranty information, please visit Olight.com or your local Olight official website.

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中国制造

头灯（Perun X, Perun Ultra）
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ICES:CANICES-005(B)/NMB-005(B)

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