

## Warranty :

OLIGHT warrants its products to be free from defects in materials and workmanship. Within 30 days after receipt, any defective lights will be offered free replacement by OLIGHT distributors unconditionally. OLIGHT will repair or replace, at its option and without charge, any product or part which is found to be defective under normal use and service within 24 months counting from the date of purchasing with proof of purchase. Such repair or replacement shall be the purchaser's sole and exclusive remedy under this warranty. This warranty does not cover normal maintenance and service and does not apply to any products or parts which have been subject to modification, misuse, negligence, accident, improper maintenance or repair by anyone other than OLIGHT. As to those exceed 24 months of the purchase date, OLIGHT will still provide with warranty service. Labor is free but cost of parts will be charged. Freight should be paid by customers.

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## 中文

感谢您购买Olight LED头灯, 在使用前请详细阅读本说明书. 本说明书适用于H15 WAVE头灯.

### 标配清单:

头灯 x 1, 侧带 x 1, 顶带 x 1, 说明书 x 1.

### 产品说明及安装指示: (见 Figure 1, 2, 3)

- |         |          |
|---------|----------|
| ① 红外发射管 | ⑥ 辅助光源   |
| ② 电源开关  | ⑦ 柔光镜锁   |
| ③ 柔光镜   | ⑧ 电池极性标记 |
| ④ 红外接收管 | ⑨ 电源指示灯  |
| ⑤ 主光源   | ⑩ 电池盒开关  |

### 操作说明:

1) 参照(Figure 2)安装电池. 该产品具有电池极性防反装功能. 任何一粒电池极性装反, 电路将不工作. 如果合上电池盒, 按下电池盒侧开关按键后, 带状指示灯不亮, 请检查是否有电池装反, 或者是否存在新旧电池混装, 或者电池电量是否充足.

2) 使用头灯前, 光按下电池盒侧边开关按键, 当电池盒透明带状红色指示灯亮起后, 电池正常供电; 带住按电池盒侧边开关超出2秒, 带状指示灯也每秒2闪动. 单按时关闭电源, 同时指示灯熄灭.

3) 灯头顶部开关键作为头灯输出开关及光源选择键, 每按键一次, 头灯按如下顺序变化. OFF → 主光源 → 辅光源 → OFF; 主光源开启时默认为低亮; 辅光源开启时默认为常亮.

4) 主光源为受控源时:

A. 手势控制 (非接触方式控制)

a) 使用手掌在头灯正前方10厘米内距离从挥动一次 (上/下或者左/右), 主光源输出开与关;

b) 连续两次挥动手掌, 变换输出亮度, 低变高或高变低;

B. 手动控制 (按键方式控制)

a) 在当前输出亮度下, 按住顶部开关按键1秒后释放, 固化当前亮度并屏蔽手势控制.

b) 手势控制被屏蔽后, 常按住开关键改变亮度.

c) 单按顶部开关按键切换到辅光源.

5) 辅光源为受控源时:

A. 手势控制 (非接触方式控制)

a) 使用手掌在头灯正前方10厘米内距离从挥动一次 (上/下或者左/右), 辅光源输出开与关;

b) 连续两次挥动手掌, 变换输出亮度, 常亮变为SOS或SOS变为常亮;

B. 手动控制 (按键方式控制)

a) 在当前输出模式 (常亮或者SOS) 下, 按住顶部开关按键1秒后释放, 固化当前模式并屏蔽手势控制.

b) 手势控制被屏蔽后, 常按住开关键输出模式.

c) 单按顶部开关按键关闭输出.

6) 长时间不用时, 请关闭电池盒输出 (带状指示灯熄的状态). 头灯存放或闲置时, 请取出电池.

7) 上下转动, 调节头灯俯仰角75度. (见 Figure 4)

8) 按下头灯底部柔光镜锁, 柔光镜向上翻起, 变成聚光模式; 向下压柔光镜时合上, 变成泛光模式. (见 Figure 5)

### 规格参数表:

| 特征           | 规格   |
|--------------|--|
| 体积           | 头灯: 70 x 53.5 x 22 mm<br>电池盒: 55 x 43 x 27mm |
| 重量           | 94克  |
| 主光源          | 1 x CREE XM-L LED 白光                         |
| 辅光源          | 2 x $\phi$ 5.0mm LEDs 红光                     |
| 电池类型         | 4 AAA 碱性电池或二次镍氢电池                            |
| 反光杯          | 搪皮杯  |
| 透镜           | 钢化加硬玻璃, 双面镀膜透镜                               |
| 柔光镜          | PVC  |
| 输出亮度<br>运行时间 | 主光源 150流明/3h(不带柔光镜)<br>白光高亮 127流明/3h(带柔光镜)   |
|              | 主光源 5流明/72h(不带柔光镜)<br>白光低亮 4.2流明/72h(带柔光镜)   |
|              | 辅光源 4流明/60h<br>红光常亮                          |
|              | 辅光源 4流明/220h<br>红光SOS                        |
| 中心光强度        | 主光源 (白光): 1050 坎德拉<br>辅光源 (红光): 52 坎德拉       |
| 最大射程         | 主光源 (白光): 65 米<br>辅光源 (红光): 14.5 米           |
| 防水           | IPX6   |
| 抗冲击          | 1米   |

### OLIGHT保修条款:

Olight承诺保修由于材料或者工艺问题造成的不良产品.

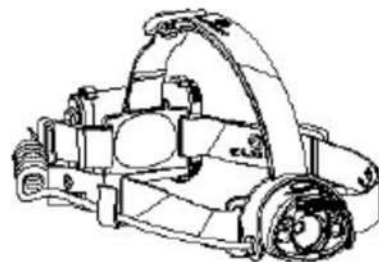
在购买之后:  
30天内(以购买发票或者其他有效购买单据上的日期为准), Olight无条件替换所不良产品或部件.

1个月以后到24个月以内(以购买发票或者其他有效购买单据上的日期为准), Olight提供免费的维修服务, 但是不包括正着的维护服务, 不用于任何产品或部件被改装, 滥用, 错误使用, 意外或者非Olight的人员提供的不正当的维护或者维修.

超过24个月以后(以购买发票或者其他有效购买单据上的日期为准), Olight还继续提供售后服务, 人工免费, 但是更换配件的费用和运输费用由用户承担.

### 深圳市欧莱特科技有限公司

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## Operator's Manual

### HEADLAMP

MODEL: H15 WAVE

CREE XM-L LED

## ENGLISH

Thank you for purchasing the OLIGHT H15 WAVE LED headlamp. Please read this manual carefully before using this product.

### Package Contents :

Headlamp\*1 , Side Belt\*1 , Top Belt\*1 , Manual\*1.

### Product description :

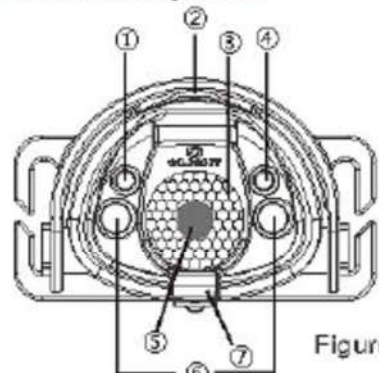


Figure 1

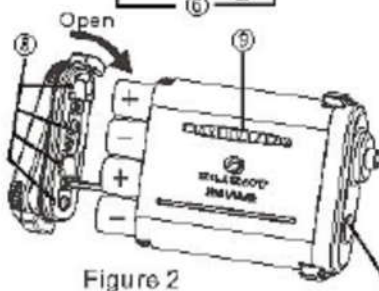


Figure 2

### Installation instruction :

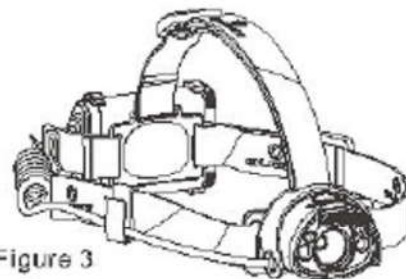


Figure 3

- ① IR Transmitter      ⑥ Auxiliary light
- ② Switch              ⑦ Diffuser lock
- ③ Diffuser            ⑧ Battery polarity
- ④ IR Receiver        ⑨ Ribbon indicator
- ⑤ Main Light        ⑩ Main switch

### Operational instruction:

1) Please follow Figure 2 when load/unload the battery. This headlamp has anti battery reverse protection function, with circuit automatic protection in which the circuit will be protected no matter which piece of the four AAA batteries connected reversely. If there is no react after pressing the main switch on the battery box, please kindly check if there is something wrong with the battery polarity, or mixed new/old battery, or the power capacity is not enough.

2) Power on the battery switch at the side of the battery box, before using the headlamp. It starts supply, when the ribbon indicator at the battery

box is on. Hold the main switch on the battery box for more than 2 seconds, the ribbon indicator will shine twice per second. One quick click to power off the lamp.

3) Press the button at the top of the lamp, to shift the output. It changes in the following order, OFF → the primary light source → the auxiliary light source → OFF;

Each time from the OFF to the primary light source, the defaulted output is low level; from the primary light source to the auxiliary light source, auxiliary light on is defaulted.

4) Primary light (white) as the controlled light source:

#### A. Non-contact gesture control mode:

- a) Wave your palm before the headlamp within 10cm distance, to control the main light source output, swing once from up and down (or left and right), to turn on and off;
- b) Wave your hand twice before the headlight, to change the output brightness, low to high or high to low;

#### B. Manual-control Mode:

- a) Select the output brightness: hold pressing the top ON/OFF key more than one second to keep the current brightness, and cancel gesture adjustment.
- b) After gesture adjustment mode stops working, press the top ON/OFF key to change brightness.
- c) Release the top switch halfway in the cycle, into auxiliary light control mode;

5) Auxiliary light (red) as the controlled light source:

#### A. Non-contact gesture control mode:

- a) Wave your palm once before the headlamp, to turn the auxiliary light on and off; swing once from up and down (or left and right), to turn on and off;
- b) Quickly wave your palm twice, changing the output mode, normal light into SOS, or SOS into normal light;

#### B. Manual-control Mode:

- a) Select the mode: hold pressing the top ON/OFF key more than one second to keep the current mode, and cancel gesture adjustment.
- b) After gesture adjustment mode stops working, press the top ON/OFF key to change the mode.
- c) Release the button halfway in the cycle to turn off the lamp;

6) Please turn off the LED headlamp (with the ribbon indicator off), in case you are not going to use it for a long time. And remove the battery for storage.

7) Rotate the headlamp to adjust the pitch angle from 0 to 75 degree. (Figure 4)



8) Press the diffuser lock under the headlamp will open the diffuser, and depress the diffuser to close it. (Figure 5)

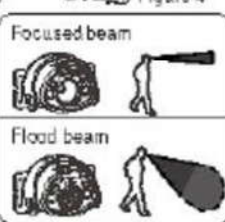


Figure 5

### Specifications :

|                                     |  |
|-------------------------------------|--|
| Weight                              | 94 g   |
| Dimension                           | Head light : 70 x 53.5 x 22 mm<br>battery box : 55 x 42 x 27 mm  |
| Primary light source                | 1 CREE XM-L LED Cool White   |
| Auxiliary light source              | 2 $\phi$ 5.0 LEDs Red  |
| Battery                             | 4AAA Alkaline cell / rechargeable NIMH batteries   |
| Reflector                           | Orange peel reflector  |
| lens                                | Tough ultra-clear tempering glass  |
| Diffuser                            | PVC  |
| Output brightness and working hours | Primary LED: 150 lumens / 3h (Without diffuser)<br>127 lumens / 3h (With diffuser)<br>Primary LED: 5 lumens / 72h (Without diffuser)<br>4.2 lumens / 72h (With diffuser)<br>Auxiliary LEDs: 4 lumens / 60h<br>Auxiliary LEDs: 4 lumens / 220h at SOS |
| Peak Beam intensity                 | Primary light source: 1050cd<br>Auxiliary light source: 52 cd  |
| Maximum throw                       | Primary light source: 65meters<br>Auxiliary light source: 14.5meters   |
| Water resistant                     | IPX6   |
| Impact resistance                   | 1 meter  |