

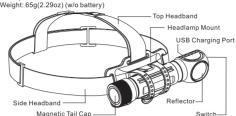
# HA2C Extreme Output Flashlight User Manual

Thank you for choosing Klarus products! Please read the user manual fully before use

#### **Product Specifications**

- Product Model No.: HA2C
- Dimension: φ26.0mm(1.02") x φ21.5mm(0.85") x 110.0mm(4.33")
- I FD: CRFF XHP70 2 P2
- Output: 3200EM
   Working Voltage: 2.5V-8.4V
   Compatible Batteries: 1 x 18 ies: 1 x 18650(protected) or 2 x CR123A or 2 x KLARUS 16340 erproof: IPX8

Weight: 65g(2.29oz) (w/o battery)



## Package

Name	Qty	Name	Qty	Name	Qty
Flashlight	1	Headlamp Mount	1	Lanyard	1
Battery	1	Headband	1	Waterproof O Ring	1
Charging Cable	1	Clip	1	User Manual	1

## ANSI

Specif	Mode	Turbo	Ultra- High	High	Medium	Low	Strobe	sos	Beacon
31,5	ANSI lumens (LM)	3200	1000	400	200	15	3200	200	400
0	Runtime(h)	0.83	2.2	3.5	8	75	1.6	24	70
-	Beam intensity(cd)	4970	1560	625	36	22.5			
	Beam distance(m)	141	79	50	12	9.5			
N.	Impact resistance(m)	1							
~ <b>J</b> f~	Waterproof	IPX8 (2 Meters Submersible)							

Note: The above data has been measured in accordance with international flashlight testing standards ANSI/NEMA FL1 using one KLARUS 18GT-IMR31 3100mAh battery under laboratory conditions. The data may vary slightly during actual use due to battery type, individual usage habits and environmental factors Only using KLARUS 18GT-IMR31 3100mAh Li-ion battery or 18650 Li-ion battery with the equivalent discharge rate can the maximum output reach 3200LM. Using other 18650 Li-ion battery, the maximum output may only reach 1500LM. Using  $2 \times CR123A$  batteries or  $2 \times 16340$  batteries, the maximum output may only reach 100LM.

- When the light is OFF and in unlocked state, click and hold the switch for 5 seconds until the flashlight flashes twice. The flashlight is now locked.
  To unlock the flashlight, click the switch three times in quick succession and the
- flashlight will flash twice to indicate that it is active.
- When the light is locked, click the switch, the indicator of switch will flash green to

- One-Touch Low: When the flashlight is OFF and unlocked, click and hold the switch for 1 second to enter LOW mode (15LM).

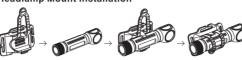
- for 1 second to enter LOW mode (15LM).

  On/Off: Click to turn ON (light will enter memorized mode), click again to turn OFF.
  Mode Switch: When the light is ON, hold the switch to cycle through lighting levels in this order: Low (15LM) Medium (200LM) High (400LM) Ultra-High(1000LM), release the switch to select the level at any time.

  When the flashlight is unlocked, double click the switch to enter into Turbo (3200 LM), double click to exit Turbo, click to turn off.

  When the flashlight is unlocked, triple-click the switch to enter into Strobe, triple-click again to enter into Beacon, triple-click again to enter into SOS, triple-click will continue to cycle through the modes, click to exit the cycle to return to previous mode.

#### Headlamp Mount Installation



#### Mode Memory Function

The light will return to the last used constant-on mode when using the tail switch to

### Intelligent Thermal Protection System (ITS)

When the flashlight is in Turbo mode, brightness will be automatically adjusted according to the temperature of the flashlight body to protect the LED and intern components and ensure safety and stability.

### **Battery Capacity Indicator**

- After nower-on, the indicator will flash for 5 seconds.

- Anter power-on, the indicator will flash for a seconds.
   Green, 70%-100% capacity remaining.
   Orange, 30%-70% capacity remaining.
   Red, less than 30% capacity remaining.
   Red flashing, less than 10% capacity remaining, recharge or replace battery.

Note: The indicator will only display as above when using 18650 Li-ion batteries

### **Battery Installation**

Before initial use, twist off the back tail cap and pull out the insulating strip, screw he back tail cap and start to use it.

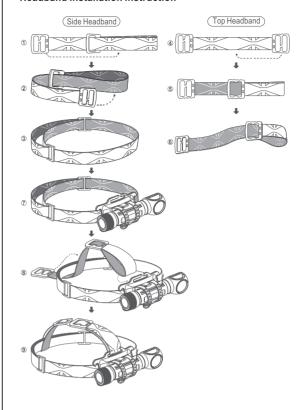






Note: Recommend to use KLARUS 18GT-IMR31 battery. The flashlight may not work normally if use other 18650 batteries. Using any other unprotected 18650 Li-ior batteries are forbidden.

### Headband Installation Instruction



## **Recharging Battery**

Micro-USB charging port will recharge the battery when connected by USB charging cable to USB adapter, car charger, or other charging devices. LED display
Red: Charging in progress.
Green: Charging complete.
Yellow: Inspection required.

#### Usage and Maintenance

- The flashlight's surface will increase in temperature during use, especially during. periods of higher lumen output. The maximum safe operating surface temper
- perious or ingine in uninen output. The maximum sale operating surface temperature of the flashlight is 60°C/140°F.

  Please fully charge battery before initial use. Included battery is charged to less than 50% as a safety measure and will not power the flashlight at full output.

  To maintain waterproof rating, please lubricate the O-ring with silicone safe lubricant and replace worn O-rings as needed.

  Do not shine light directly at eyes.

  For long term storage, remove the battery and store in a cool and dry location.

## Warranty

- KLARUS guarantees the flashlight against defects in material and workmanship. Flashlight products that are found to be defective under normal use within 5 years of the purchase date will be repaired or replaced without charge.
- This warranty does not cover damage caused by accident, unreasonable use of product alteration. Failure to follow the general maintenance directions could result in damage to your flashlight that may not be covered by the KLARUS warranty.

#### Limited Lifetime Warranty

- If problems develop after 5 years from the date of purchase, KLARUS will charge for parts and repairs. The total repair fee will be assessed according to the cost of the replacement materials. If damage to the light is substantial, KLARUS will contact the customer via the dealer with a quote.
- The customer may decide whether to proceed with the repairs. Freight will be paid by the dealer or customer

#### Warranty Procedure

- If this flashlight does not perform as specified, the product will be repaired or replaced as described above.
- as described above.

  Please contact your original KLARUS dealer for replacement and repairs.

  If the warranty issue cannot be resolved by the dealer, please contact KLARUS at service@klaruslight.com for assistance. Please provide the following information to expedite the process:

  1) List the serial number on the light.

  2) Include a detailed description identifying the issue, accompanied by pictures or a short video demonstration if necessary.

  3) Provide the name and store of the dealer you made the nurchase from: and a

- 3) Provide the name and store of the dealer you made the purchase from; and a copy of the proof of purchase





KLARUS LIGHTING TECHNOLOGY CO. LIMITED

1. 手电在使用过程中, 手电表面温度在60度以下属于正常情况, 请放心使用。

2. 充电电池出厂时只有50%以下电量,直接使用不能达到最高亮度和正常续航

3. 为达到最佳防水性能,请定期检查防水O圈的完整性,并请适量涂抹润滑硅

1.15天保换:凯瑞兹产品自售出日起15天内,在正常使用情况下,若出现质量

2.5年质保:凯瑞兹产品自售出日起5年内,在正常使用情况下,若出现质量问

我司将提供有尝保修,费用以实际更换材料费用为准,不另收取人工费。

注:产品升级、规格参数如有更新,恕不另行通知,实际产品的形式和颜色

则可能与实物所显示略有不同,请以实物为准。深圳市凯瑞兹电子科技有限

3. 充电电池类产品保修期为1年,产品附加配件不在保修范围内; 4. 终身有限保修:因不当使用引起的产品损坏或超出免费保修时间的产品,

扫码关注凯瑞兹微信公众号或登录凯瑞兹官网,可获取最新的资讯。

问题,可免费更换同型号产品;若该产品已停止生产,则调换该型号升级品

5. 长时间不使用手电筒时,请将电池取出,并妥善存放于阴凉干燥处。

脂于防水O圈上以延长其使用寿命。如O圈损坏,请及时更换原厂O圈以确

Address: 5/F, No.26 Building, Niulanqian Industria Longhua District, Shenzhen City, 518131, China.

Phone: +86-755-27700110

时间,首次使用请将电池充满。

保您所使用之产品的优异防水性能。

或不低于原产品性能的其它产品;

题,享受免费维修服务;

4. 请勿将手电筒的光线直接照射人类或动物的眼睛。

使用及维护

售后/保修条款

Made in China

Email: info@klaruslight.com Customer Service: service@klaruslight.com

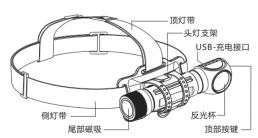
Website: www.klaruslight.com





## 产品参数

- 产品名称: 强光手电
- 产品型号: HA2C
- •尺 寸: φ26mm×φ21.5mm×110mm
- •灯 珠: CREE XHP70.2 P2
- 光 通 量: 3200lm
- 丁作由压 · 2 5V-8 4V • 兼容电池:1x18650/2xCR123A/2x16340
- 防水等级: IPX 8
- 重 量:65g(不含电池)



# 装箱清单

部件名称	数量	部件名称	数量	部件名称	数量
手电筒	1	头灯带	1	手绳	1
电池	1	抱夹	1	防水圏	1
头灯支架	1	充电线	1	说明书	1

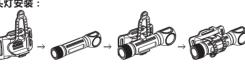
## ANSI标准参数

项目	模式	极亮	超亮	高亮	中亮	低亮	爆闪	sos	信标
3,1,5	光通量 (LM)	3200	1000	400	200	15	3200	200	400
()	续航时间(h)	0.83	2.2	3.5	8	75	1.6	24	70
-	光强度(cd)	4970	1560	625	36	22.5			
	射程(m)	141	79	50	12	9.5			
N.	防跌落(m)	1							
~ <b>J</b> f~	防水级别	IPX8							

注:以上数据按照国际手电筒测量标准ANSI/NEMA FL1所述之测量方法,使用 KLARUS 18GT-IMR31 3100mAh 18650锂电池测量所得,不同电池或使用环境 可能会对以上数据产生影响。

- 1. 关机状态下,长按5S锁定;锁定状态下,三击解锁。锁定或解锁时,主灯 闪烁两次,提示锁定或解锁成功。锁定时,按下侧按键绿灯闪烁。
- 2. 快速进入低亭档: 关机状态下,目按键未锁定,长按1S开机进入低亭档
- 3. 开/关机:单击开机(进入记忆档位),单击关机;
- 4. 换档:常亮状态下,按住按键不放,输出档位(亮度)按低亮(15lm)→ 中亮 ( 200lm) → 高亮 ( 400lm) → 超亮(1000lm)的顺序循环变化,松开 按键选定亮度
- 5. 非按键锁定状态下,双击进入极亮(3200lm),双击返回原状态,单击
- 6. 非按键锁定状态下,三击进入爆闪模式 → 再次三击进入信标模式 → 再次 三击进入SOS模式→循环,单击返回原状态。

# 头灯安装:



# 档位记忆功能

尾部开关每次开机进入上次关机档位

## 智能温控系统

在最高亮档时,会根据手电筒温度自动调节输出亮度,以保护LED和内部 元器件,并增强手握舒适度

## 电量指示

- 开机指示灯显示电量5秒 , 后自动关闭
- 绿色,表示剩余电量70%-100%
- 橙色,表示剩余电量30%-70%
- 红色,表示剩余30%以下 • 电量在低于10%时指示灯红灯闪烁,提示用户电量即将耗尽
- 注:此电量指示功能只针对锂离子电池

## 电池安装

首次使用,拿出手电,拧开后盖拔出绝缘片盖上后盖、即可使用 更换电池步骤:

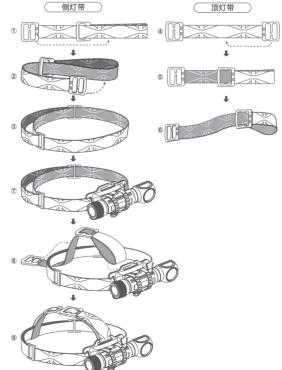






注: 建议使用KLARUS 18GT-IMR31 电池、如使用其他18650电池可能出现 手电无法工作的情况,禁止使用不带保护板的18650锂离子电池。

## 头灯带组装操作图



## 如何充电

HA2C采用USB直充设计,可通过USB数据线、座充、车充等设备直接

- 进行充电。当LED显示: 1) LED显示红灯: 充电进行中
- 2) LED显示绿灯: 充电完毕
- 3) LED显示黄灯闪烁:放入的不是18650锂电池/电池放反/电池已损坏

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## 深圳市凯瑞兹电子科技有限公司

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网站: www.klaruslight.cn

邮箱:info@klaruslight.com 售后:service@klaruslight.com









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HA2C