

HA2C

Extreme Output Flashlight User Manual

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

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

Specification	Mode	Turbo	Ultra-High	High	Medium	Low	Strobe	SOS	Beacon
ANSI lumens (LM)		3200	1000	400	200	15	3200	200	400
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			
Impact resistance(m)		1							
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 x CR123A batteries or 2 x 16340 batteries, the maximum output may only reach 500LM.

Operations

- 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 indicate the flashlight is locked.

- One-Touch Low: When the flashlight is OFF and unlocked, click and hold the switch 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.

Mode Memory Function

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

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 internal components and ensure safety and stability.

Battery Capacity Indicator

- After power-on, the indicator will flash for 5 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 immediately.

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 the 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-ion batteries are forbidden.

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 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.

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.
- 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 purchase from; and a copy of the proof of purchase.

Website

Facebook

KLARUS LIGHTING TECHNOLOGY CO., LIMITED

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

Phone: +86-755-27700110

Email: info@klaruslight.com

Customer Service: service@klaruslight.com

Website: www.klaruslight.com

Made in China

HA2C

多用途可充电转角灯使用说明书

感谢阁下惠顾本公司产品，使用前敬请详细阅读说明书

产品参数

- 产品名称：强光手电
- 产品型号：HA2C
- 尺 寸： $\varnothing 26\text{mm} \times \varnothing 21.5\text{mm} \times 110\text{mm}$
- 灯 珠：CREE XHP70.2 P2
- 光 通 量：3200lm
- 工作电压：2.5V-8.4V
- 兼容电池：1 x 18650 / 2 x CR123A / 2 x 16340
- 防水等级：IPX 8
- 重 量：65g(不含电池)

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	防水圈	1
头灯支架	1	充电线	1	说明书	1

项 目	模式	极亮	超亮	高亮	中亮	低亮	爆闪	SOS	信标
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			
耐跌落(m)		1							
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。

产品使用方法

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. 快速进入低亮档：关机状态下、且按键未锁定，长按1S开机进入低亮档（15lm）；
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，单击关机；
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。

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。

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

使用及维护

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时间，首次使用请将电池充满。
3. 为达到最佳防水性能，请定期检查防水O圈的完整性，并适量涂抹润滑硅脂于防水O圈上以延长其使用寿命。如O圈损坏，请及时更换原厂O圈以确保您所使用之产品的优异防水性能。
4. 请勿将手电筒的光线直接照射人类或动物的眼睛。
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。

售后/保修条款

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或不低于原产品性能的其它产品；
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，若出现质量问题，享受免费维修服务；
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，我司将提供有偿保修，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公司拥有对说明书内容的最终解释权 and 修改权。

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深圳市凯瑞兹电子科技有限公司

地址：深圳市龙华新区民治牛栏前工业区26栋5楼

邮编：518131

电话：+86-755-27700110

邮箱：info@klaruslight.com

售后：service@klaruslight.com

网站：www.klaruslight.cn

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