ACEBEAM™
Light Where You Want It

User Manual

H50 2.0
High Performance Outdoor Headlamp

FEATURES
- Compact and lightweight H50 2.0 headlamp equipped with floodlight, spotlight, or dual beam with a max output of 2,000lumens
- Utilizes 3 x Luminus SST-20 LED（High CRI>90, Neutral White 5000K）
- Equipped with the customized TIR optic lens, can reflect uniform and soft light
- 170° wide range flood light specially designed for outdoor applications
- 141 meters long range coverage specially designed for industrial maintenance, caving rescuing,climbing and mountaineering
- Including one 18650 high capacity Li-ion battery and compatible with 2 x CR123/16340 batteries
- Built-in the concealed USB-C charging port is effectively protected against the complex outdoor environment
- USB-C Rechargeable Approx.2hours 30 min to fully charge (Note: DO NOT attempt to use the H50 2.0 to charge CR123/16340 batteries)
- One button interface controls 5 brightness levels, 3 light sources and 1 SOS special mode
- Highly efficient constant current circuit provides a stable output of up to 30 days
- The Built-in thermal control module will automatically adjust the brightness output, keep using it comfortably
- The power indicator beneath the switch can indicate the remaining battery power
- Ergonomically designed bracket
- Elastic and breathable headband included with silicone sweat diverting strip
- Constructed from aero grade aluminum alloy HA III military grade hard-anodized finish
- Rating in accordance with IP68 (2 meters submersible), All-weather applicable
- Impact resistance to 1 meter

SPECIFICATIONS
1x ACEBEAM ARC18650-310A battery;1x USB-C charging cable;2xO-rings; 1x Headband with silicone holder; 1x User manual; 1x Warranty card

INCLUDED
Size: 85mm/3.35in(Length)x 33.5mm/1.32in(Head dia.)x 28mm/1.1in(Body dia.)
Weight: 94g (3.32oz) without battery, 142.3g(5.02oz) with battery

OPERATING INSTRUCTION
Single click: OFF
Double Click: ON and Cycle the lighting mode from All-ON, Two-Side-ON, Middle-ON
Long press:
When flashlight is OFF, long press 0.5 seconds goes to Ultra-low, continue pressing to 3 seconds, the flashlight will be locked after 3 times flash.
When flashlight is ON, long press cycle from Low-Mid-High-Turbo
When flashlight is locked, long press 3 seconds for unlock after 3 times flash.
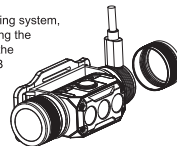**SOS:** Quickly single click+long press.

MEMORY FUNCTION
The memory function is a nice feature, the light will remember the last used mode. (Special SOS and Ultra-low mode are not memorized.)

POWER INDICATION
The power indicator beneath the switch can indicate the remaining battery power: Green means enough power, Red means less power, when the battery voltage is lower 2.7V, the headlamp will automatically turn off.

BATTERY CHARGING
The H50 2.0 is equipped with an intelligent charging system, As illustrated,tighten the battery cap after inserting the battery and unscrew the charging port cap until the charging port is fully exposed. Then use the USB cable to connect an external power supply(e.g. a USB adapter or other USB charging devices)to the charging port to bein the charging process.
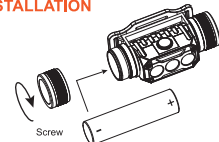
When the battery is charging,the power indicator will be Constant-on Red. When the battery is fully charged,the power indicator will be Constant-on Green. The charging time for an 18650 rechargeable Li-ion battery (3,100mAh) is approx. 2 hours 30min.

INSULATING FILM
NOTE: Please remove the insulation film before the first use.

Insulating Film

Unscrew

BATTERY INSTALLATION

Screw

WARNING
1. By using this device, you certify you have read the included User Manual and Warning Card and release the manufacturer and retailers from all liabilities.
2. Keep out of reach of children.
3. DO NOT shine the light directly into human eyes. This may cause temporary blindness, or permanent damage to the eyes.
4. If the product is left unused or carrier and transported,please lock the button to avoid accidentally activating the headlamp.
5. The battery can be stored inside the product and charged with the included standard charging cable.
6. Quality batteries with circuit protection will reduce the potential risk.

MAINTENANCE
Every 6 months, threads should be wiped with a clean cloth followed by a thin coating of silicon-based lubricant.
The battery should be replaced when the ouput appears to be dim or the headlamp becomes unresponsive due to low power.

PRODUCT WARRANTY
1. If the customer experiences any problems with an Acebeam product within 15 days of purchase, the dealer will replace that product.
2. If an Acebeam flashlight fails during normal use within a period of 5 years (60 months) of purchase, the dealer will repair or replace the flashlight with the same or similar model.
3. ACEBEAM Battteries, accessories and lanterns with built-in batteries are warranted for a period of one year (12 months) from date of purchase.
4. The warranty does not cover damage or failure caused by:
   A. Rough usage or operation which does not comply with the user manual or product specifications.
   B. Unauthorized disassembly, repair or modification. Defects or damaged caused by factors out of Acebeam's control.
   C. Battery leakage damaged products.
5. If there are any questions about ACEBEAM products, please consider the warranty and contact Acebeam or your original Acebeam dealer for warranty return instructions.
Email: info@acebeam.com

DISCLAIMER CLAUSE
Acebeam is not liable for damages or injuries sustained resulting from the usage of the product inconsistent with the warnings in the manual.

TECHNICAL PARAMETER

FL1 STANDARD	ALL-ON(dual beam)						TWO-SIDE-ON(floodlight)						MIDDLE-ON(spotlight)					
	Turbo	High	Mid	Low	Ultra-Low	SOS	Turbo	High	Mid	Low	Ultra-Low	SOS	Turbo	High	Mid	Low	Ultra-Low	SOS
☀	2000~350 lumens	1000~350 lumens	450~350 lumens	60 lumens	10 lumens	1000 lumens	1350~300 lumens	700~300 lumens	300 lumens	40 lumens	6 lumens	700 lumens	650~220 lumens	350 lumens	150 lumens	20 lumens	3 lumens	350 lumens
⏱	40s+4h	2min30s+4h	11min+3h50min	30h	16days	3h	1min40s+4h20min	4min+4h20min	4h18min	35h	21days	5h	5min40s+5h50s	5h	9h	40h	30days	9h30min
◀	141m	100m	67m	28m	15m	100m	99m	71m	47m	18m	13m	71m	103m	74m	48m	20m	13m	74m
☀	4,968 cd	2,476 cd	1,116 cd	192 cd	56 cd	2,476 cd	2,428 cd	1,268 cd	560 cd	84 cd	40 cd	1,268 cd	2,636 cd	1,384 cd	588 cd	104 cd	44 cd	1,384 cd

FL1 STANDARD 1m ✓
FL1 STANDARD 2m

Notice: The above-mentioned parameters (tested with 1 x ACEBEAM 18650 3100mAh battery) are approximate and may vary from flashlights, batteries, and environments.
The Turbo mode WILL NOT be operational when powered by other standard 18650 or current less than 10A IMR18650 batteries.