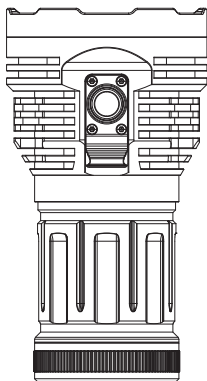# ACEBEAM™

Light Where You Want It

User Manual

X50 2.0

Outdoor Portable Power Bank Flashlight

FEATURES

- Utilizes 8 x LEDs with a max output of 45,000 lumens and throw 871 meters or 8 x high CRI95 LEDs with a max output of 21,000 lumens and throw 494 meters
- Beam angle is up to 120°, wide range of seeing
- A boost constant current circuit design with an efficiency rate up to 98%
- Built-in 10.8V/4250mAh Li-ion battery pack
- Fast USB Type-C charging with discharging function available
- PD 60W Quick Charge approximately one hour for fully charged
- Built-in intelligent adaptive charging and discharging function and protocols of QC 3.0 & PD 3.0
- Built-in intelligent temperature overheat protection
- Reliable mechanical safe lock-prevents accidental activation
- Detachable handheld handle meets various lighting demands
- One single stainless steel switch provides access to all functions
- Hardened dual AR coated, 99% transmittance glass
- Made of durable A6061-T6 aluminum alloy, provided a rigid structure and a fast cooling efficiency
- Premium type HAIII hard-anodized anti-abrasive finish
- Rating in accordance with IP68, Impact resistant to 1 meter
- Size: 139.6mm x 75mm x 51.8 mm / 5.49'' x 2.95'' x 2.03''
- Weight: 756g/26.6oz (Including battery pack)

INCLUDED

1x Acebeam X50 2.0 flashlight(built-in battery pack); 1x Detachable handle; 1x Charging adapter; 1x USB Type-C charging cable; 1x Holster; 1x UNC1/4" screw; 2 x O-rings; 1x Lanyard; 1x Warranty card; 1x User manual; 1x Battery warning card

TECHNICAL PARAMETER

6500K

	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Turbo	45000 lumens / 30s	5600 lumens / 66min	2000 lumens / 11min	1200 lumens / 4min	400 lumens / 32min
High	15000 lumens / 2min	5600 lumens / 67min	2000 lumens / 10min	1200 lumens / 4min	400 lumens / 32min
Mid 3	7500 lumens / 13min	5600 lumens / 57min	2000 lumens / 10min	1200 lumens / 4min	400 lumens / 32min
Mid 2	3800 lumens / 128min	2000 lumens / 5min	1200 lumens / 4min	400 lumens / 32min	
Mid 1	2000 lumens / 4h	1200 lumens / 5min	400 lumens / 32min		
Low	1200 lumens / 6h 5min	400 lumens / 32min			
Ultra-Low	400 lumens / 11h				
Strobe	7500 lumens / 1h				

871m	189,660cd	1m	IP68

5000K

	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Turbo	43000 lumens / 30s	5400 lumens / 66min	1900 lumens / 11min	1000 lumens / 4min	380 lumens / 32min
High	13000 lumens / 2min	5400 lumens / 67min	1900 lumens / 10min	1000 lumens / 4min	380 lumens / 32min
Mid 3	7300 lumens / 13min	5400 lumens / 57min	1900 lumens / 10min	1000 lumens / 4min	380 lumens / 32min
Mid 2	3500 lumens / 128min	1900 lumens / 5min	1000 lumens / 4min	380 lumens / 32min	
Mid 1	1900 lumens / 4h	1000 lumens / 5min	380 lumens / 32min		
Low	1000 lumens / 6h 5min	380 lumens / 32min			
Ultra-Low	380 lumens / 11h				
Strobe	7300 lumens / 1h				

839m	175,890cd	1m	IP68

CRI95

	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Turbo	21000 lumens / 1min	2800 lumens / 74min	1200 lumens / 5min	350 lumens / 2min	150 lumens / 10min
High	8500 lumens / 2min	2800 lumens / 80min	1200 lumens / 5min	350 lumens / 2min	150 lumens / 10min
Mid 3	4500 lumens / 9min	2800 lumens / 75min	1200 lumens / 5min	350 lumens / 2min	150 lumens / 10min
Mid 2	2200 lumens / 120min	1200 lumens / 5min	350 lumens / 2min	150 lumens / 10min	
Mid 1	1200 lumens / 4.5h	350 lumens / 2min	150 lumens / 10min		
Low	350 lumens / 17h	150 lumens / 10min			
Ultra-Low	150 lumens / 12h				
Strobe	5000 lumens / 1.5h				

494m	61,009cd	1m	IP68

Notice: According to the ANSI/NEMA FL1 standard, the above specifications are from the results produced by ACEBEAM through its laboratory testing using the 10.8V/4250mAh rechargeable battery pack. The actual performance of this model may vary according to different working environments.

CHARGING

1. Switch off the light and plug the USB-C charging cable into the standard adapter, then connect the USB Type-C socket of the charging cable to the light.
2. Intelligent identified charging function.
   Standard Charge:
   Red lighting=during charging,
   Green lighting= fully charged;
   Quick Charge:
   Red & Blue lighting=during charging,
   Green & Blue lighting=fully charged;

POWER BANK FUNCTION

Switch off the light and connect the USB Type-C socket of the charging cable to the light, then connect the USB Type-C socket of the charging cable to the digital device with a USB Type-C port.
Standard discharging mode: Red lighting,
Red flashing=voltage<10.3V;
Fast discharging mode: Red & Blue lighting,
Blue lighting & Red flashing=voltage<10.3V.
Tip: 1.Please long press reset switch >10 seconds to restart the battery pack when it can't charge/discharge or abnormal indicator.
2. Be sure to screw the tail cap once charging is completed.

Note: A. While all modes are available when charging or discharging.
　　　B. The normal charging time is approximately 1 hour from depletion to full charging
　　　　with the included standard adapter.
　　　C. Recharge a stored light every four months to maintain optimum performance of
　　　　the battery
　　　D. When connecting to the power bank with same PD protocol, it might fail to charge
　　　　if the protocols are not compatible with the device. Eg: Power bank is charging
　　　　X50 2.0, or X50 2.0 is charging power bank.

BATTERY LEVEL INDICATION

The indicator will display the battery status of the under mode working:
Green Constant-ON: 100% ~ 30%
Red Constant-ON: 30% ~ 10%
Red Flash: <10%

OPERATING INSTRUCTION

ON/OFF: Single click the switch to turn ON/OFF the light.
Mode Selection: When the flashlight is ON, press and hold the switch to cycle from Low
→Mid1→Mid2→Mid3→High, loosen the switch at your selected mode.
Turbo: Double click the switch.
Strobe: Triple click to access Strobe mode regardless of ON/OFF status.
Ultra-Low: When the flashlight is OFF, press and hold the switch for 0.5 second to enter
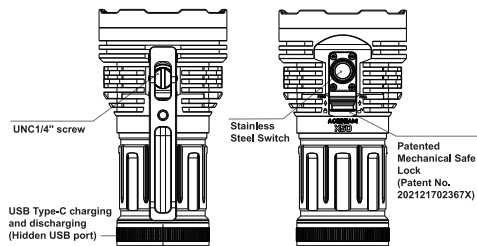Ultra-Low.
Lockout Function
Mechanical Safe Lock Switch: Push the switch for lock, pull the switch for unlocking.

Intelligent Memory Circuit
The flashlight memorizes the last selected output. When turned on again the previously
used output will be recalled.
The flashlight does not memorize Ultra-Low, Turbo mode and Strobe.

UNC1/4" screw

Stainless
Steel Switch

Patented
Mechanical Safe
Lock
(Patent No.
202121702367X)

USB Type-C charging
and discharging
(Hidden USB port)

LOW-VOLTAGE WARNING

When the voltage level drops below the preset level, the flashlight is programmed to
downshift to a lower brightness level until Ultra-Low output is reached.
When the voltage level drops still low under Ultra-Low output, it will shut off automatically.

INTELLIGENT OVERHEAT PROTECTION

The light will accumulate a lot of heat when used at high-output mode for extended
periods. When the light reaches a temperature of 65°C or above, the light will automatical-
ly step down lumens to reduce the temperature.

⚠ 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. Please use in accordance with applicable laws and regulations.
3. Keep out of reach of children.
4. DO NOT shine the light directly into human eyes. This may cause temporary blindness,
   or permanent damage to the eyes.
5. DO NOT cover the light head when the flashlight is on, or place the flashlight head on
   the ground. The radiation energy of the flashlight may cause damage to the flashlight
   itself, or even result in burning to other materials.
6. DO NOT modify/disassemble the light, otherwise the user will be in charge of the all
   responsibility.
7. When the flashlight is working on the high mode, the surface temperature can reach
   65°C. Please switch off the flashlight temporarily or turn it to low mode.
8. Please use turbo mode with caution. Turbo greatly reduces the turntime and leads to
   high temperature on the flashlight surface.
9. DO NOT use the turbo mode continuously when the environmental temperature is
   high in case the flashlight body is too hot to hold.
10. When the product is used in a low-temperature environment, please try and keep it
    warm. If the temperature is too cold, it may not reach the highest output.
11. If the product is left unused or carrier and transported,please lock the button to avoid
    accidentally activating the flashlight.
12. Please keep the front lens clean. Due to radiation ennergy, it may heat up foreign
    matter on the lens which can potentially cause damage.
13. The battery pack is charged with the included standard charging cable and adapter.
14. Store the battery pack with care. Keep it in a cool and dry place. Keep lithium-ion
    battery pack charges approximately every 4 months.

USAGE AND MAINTENANCE

1. Unauthorized disassembly may damage the light and void the warranty.
2. Lubricate the threads with professional grade lubricant regularly.
3. Please swap out the O-rings regularly to maintain the water resistance level.
4. Maintain and keep clean any contact surfaces of the flashlight with alcohol swab. This
   may prevent irregular flashes during use.

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 five years (60 months)
   of purchase, the dealer will repair or replace the flashlight with the same or similar
   model.
3. ACEBEAM Batteries, 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.**

www.acebeam.com　　FB: AcebeamWorld　　FB Group: ACEBEAM

"Follow" us for more information about Acebeam.

RoHS　CE