

ACEBEAM acebeam-x50-6500k

Acebeam X-50 X50 Multipurpose LED Searchlight User Manual

Model: acebeam-x50-6500k

1. INTRODUCTION

Thank you for choosing the Acebeam X-50 X50 Multipurpose LED Searchlight. This high-performance searchlight is designed for various applications, offering exceptional brightness and a robust build. Please read this manual thoroughly before using the product to ensure proper operation and maintenance.

Key Features:

- Utilizes 8 x CREE XHP70.2 LEDs with a max output of 40,000 lumens.
- Maximum beam intensity of 160,000cd and maximum throw of 800 meters.
- Wide beam angle up to 120 degrees for broader illumination.
- Built-in 10.8V/4250mAh Li-ion battery pack.
- Fast USB Type-C charging with power bank (discharging) function.
- Intelligent temperature control system.
- Reliable mechanical safe lock to prevent accidental activation.
- IP66 rated water resistance and 1-meter impact resistance.

2. PACKAGE CONTENTS

Upon unpacking your Acebeam X-50 X50 Searchlight, please verify that all items listed below are present and in good condition:

- Acebeam X-50 X50 Multipurpose LED Searchlight
- Holster
- USB Type-C Charging Cable
- Power Adapter
- User Manual (this document)



Image: The Acebeam X-50 X50 Searchlight shown with its included accessories: a holster, USB Type-C charging cable, and power adapter.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Acebeam X-50 X50 Searchlight:

- **LED Emitters:** 8 x CREE XHP70.2 LEDs located at the front.
- **Side Switch:** A single stainless steel switch for all functions.
- **Lockout Mechanism:** A mechanical slide switch near the main button to prevent accidental activation.
- **USB Type-C Port:** Located at the base for charging and power bank functions.
- **Battery Pack:** Integrated 10.8V/4250mAh Li-ion battery.
- **Cooling Fins:** Designed for efficient heat dissipation.



Image: Close-up view of the Acebeam X-50 X50's side switch and mechanical lockout mechanism, indicating 'PUSH' for lock and 'PULL' for unlock.

4. SETUP AND CHARGING

Before first use, it is recommended to fully charge the searchlight.

4.1. Charging the Searchlight

1. Connect the provided USB Type-C cable to the searchlight's charging port at the base.
2. Connect the other end of the cable to the power adapter, then plug the adapter into a wall outlet.
3. The indicator light will show red during charging and turn off when charging is complete.
4. A full charge takes approximately 1.8 hours with the 35W fast charger.

4.2. Power Bank Function (Discharging)

The Acebeam X-50 X50 can also function as a power bank to charge other devices.

1. Connect your external device to the searchlight's USB Type-C port using a compatible cable.
2. The indicator light will show red during discharging and turn off when discharging is complete.
3. Output protocols include 5V/3A, 9V/3A, 12V/3A, 15V/1.75A, 20V/1.75A. Ensure your device's charging protocols are compatible.



Image: Illustration showing the Acebeam X-50 X50 connected for charging (left) and acting as a power bank to charge a smartphone (right), with indicator lights for charging and discharging status.

5. OPERATING INSTRUCTIONS

The Acebeam X-50 X50 features a single side switch for all operations.

5.1. Lockout/Unlock

To prevent accidental activation, the searchlight is equipped with a mechanical lockout mechanism.

- **Lock:** Push the slide switch towards the front of the flashlight (labeled 'PUSH'). The main button will be physically blocked.
- **Unlock:** Pull the slide switch towards the rear of the flashlight (labeled 'PULL'). The main button will be accessible.

5.2. Basic Operation

- **Turn On/Off:** From OFF, single click the side switch to turn ON. From ON, single click the side switch to turn OFF.
- **Mode Switching:** When ON, press and hold the side switch to cycle through Ultra-Low, Low, Med1, Med2, High1, High2 modes. Release the switch to select the desired mode.
- **Turbo Mode:** From ON or OFF, double-click the side switch to activate Turbo mode. Double-click again to return to the previously used mode.
- **Strobe Mode:** From ON or OFF, triple-click the side switch to activate Strobe mode. Single click to turn OFF or double-click to return to the previously used mode.
- **Memory Function:** The searchlight will memorize the last used general mode (Ultra-Low to High2) when turned off. Turbo and Strobe modes are not memorized.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Acebeam X-50 X50 Searchlight.

- **Cleaning:** Clean the body of the flashlight with a soft, damp cloth. For the lens, use a lens cleaning cloth. Avoid

abrasive materials.

- **Battery Care:** The integrated Li-ion battery pack should be charged regularly, even if not in frequent use, to maintain battery health. Avoid fully depleting the battery for extended periods.
- **Water Resistance:** The X-50 X50 is rated IP66, meaning it is protected against powerful water jets. While it can withstand heavy rain and splashes, it is not designed for prolonged submersion. Ensure the USB Type-C port cover is securely closed to maintain water resistance.



Image: The Acebeam X-50 X50 Searchlight partially submerged in shallow water, demonstrating its IP66 water resistance rating.

7. TROUBLESHOOTING

If you encounter issues with your Acebeam X-50 X50, please refer to the following common problems and solutions:

- **Flashlight does not turn on:**
 - Ensure the mechanical lockout switch is in the 'PULL' (unlocked) position.
 - Check if the battery is charged. Connect the flashlight to the charger and observe the indicator light.
- **Flashlight does not charge or hold a charge:**
 - Verify the USB Type-C cable and power adapter are functioning correctly. Try a different cable or adapter if available.
 - Ensure the charging port is clean and free of debris.
 - If the issue persists, the internal battery pack may require service. Contact customer support.
- **Reduced brightness or unexpected mode changes:**
 - This may indicate a low battery level. Recharge the flashlight.
 - The intelligent temperature controller may have stepped down the brightness to prevent overheating. Allow the flashlight to cool down.
- **Power bank function not working:**
 - Ensure the connected device's charging protocols are compatible with the X-50 X50's output (5V/3A, 9V/3A,

12V/3A, 15V/1.75A, 20V/1.75A).

- Check the charging cable for damage.

For issues not covered here, please contact Acebeam customer support.

8. SPECIFICATIONS

Detailed technical specifications for the Acebeam X-50 X50 Multipurpose LED Searchlight:

Feature	Specification
LEDs	8 x CREE XHP70.2 LEDs
Color Temperature	6500K Cool White
Max Output	40,000 lumens
Max Beam Intensity	160,000cd
Max Throw Distance	800 meters
Beam Angle	Up to 120 degrees
Battery	Built-in 10.8V/4250mAh Li-ion battery pack
Charging Port	USB Type-C (35W fast charging)
Charging Time	Approx. 1.8 hours
Power Bank Output	5V/3A, 9V/3A, 12V/3A, 15V/1.75A, 20V/1.75A
Material	Durable A6061-T6 aluminum alloy
Finish	Premium type HAIII hard-anodized anti-abrasive finish
Water Resistance	IP66 rated
Impact Resistance	1 meter
Dimensions	4.5"D x 1.5"W x 4.5"H (approximate)

Brightness Levels and Runtime (6500K)



	FL1 STANDARD	Turbo	High	Med3	Med2	Med1	Low	Ultra-Low	Strobe	
6500K		40000 lumens	26000 lumens	14000 lumens	6500 lumens	2250 lumens	650 lumens	230 lumens	12000 lumens	
		1h 30min	1h 45min	1h 50min	2h	3h 40min	11h	24h	1h 45min	
		800m	620m	473m	350m	240m	120m	/	/	
		160,000cd	96,100cd	55,932cd	30,625cd	14,400cd	3,600cd	/	/	
5000K		38000 lumens	24000 lumens	13500 lumens	6200 lumens	2150 lumens	600 lumens	200 lumens	12000 lumens	
		1h 30min	1h 45min	1h 50min	2h	3h 40min	11h	24h	1h 45min	
		750m	600m	460m	330m	230m	110m	/	/	
		140,625cd	90,000cd	52,900cd	27,225cd	13,225cd	3,025cd	/	/	

Notice: According to the ANSI/PLATO 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.

The Turbo output is measured in a total of runtime including output at step-down levels due to temperature regulation or protection mechanism.

Image: A table detailing the brightness levels, lumens, candela, throw distance, and runtime for the Acebeam X-50 X50 in 6500K color temperature, including Ultra-Low, Low, Med1, Med2, High1, High2, Turbo, and Strobe modes.

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9. SAFETY INFORMATION

- Do not shine the light directly into eyes. The intense beam can cause temporary vision impairment or permanent eye damage.
- Keep out of reach of children.
- The flashlight may become hot during prolonged use, especially in higher modes. Exercise caution when handling.
- Do not disassemble the sealed head or the main body; doing so may cause damage to the flashlight and void the warranty.
- Use only the recommended charging accessories.

10. WARRANTY AND SUPPORT

Acebeam products are manufactured to high-quality standards. For warranty information and customer support, please refer to the official Acebeam website or contact your authorized dealer. Keep your purchase receipt for warranty claims. For further assistance, you may visit the [ACEBEAM Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question