ACEBEAM ACEBEAM X20 Flashlight

ACEBEAM X20-R High Output Tactical Flashlight User Manual

Model: ACEBEAM X20 Flashlight | Brand: ACEBEAM

INTRODUCTION

The Acebeam X20-R is a compact yet powerful high-output tactical flashlight designed for various demanding applications. It offers extreme brightness in a palm-sized body, optimized for one-handed operation. This manual provides essential information for the proper setup, operation, and maintenance of your X20-R flashlight.

The X20-R is available with two high-performance LED options:

- **8× SFT-25R HI LEDs:** Delivers a maximum of 8,000 lumens with an impressive 645-meter throw, making it ideal for long-range visibility.
- **8× HL4X LEDs:** Boosts output to 10,000 lumens with a 440-meter throw, perfect for wide-area illumination.

Its robust construction from AL6061-T6 aluminum alloy with a HA III hard-anodized finish ensures resistance to scratches, corrosion, and impacts up to 1.5 meters. The IP68 waterproof/dustproof rating allows for submersion up to 2 meters for 30 minutes, making it suitable for extreme environments.

Image: ACEBEAM X20-R Tactical Flashlight, showcasing its compact design and desert color finish.

SETUP

1. Battery Installation

The X20-R uses dual 3000mAh Lithium-Ion batteries. To install or replace batteries:

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert the two 3000mAh batteries with the positive (+) end facing towards the head of the flashlight.
3. Screw the tail cap back on clockwise until it is securely tightened.

EXPLORE WITHOUT WORRYING ABOUT RUNTIME

Far from a power source? Simply **replace the two li-ion batteries** to keep your light shining. Never let a power shortage hold you back!

ALWAYS POWERED UP TO GO FURTHER AND LONGER

USB-C charging keeps your light powered up, running for up to 28 hours.
Spend less time waiting and more time exploring.

Battery level display
● >30% ● 30%~10% ● < 10%

Image: Illustration of the X20-R with its tail cap removed, showing the battery compartment and the USB-C charging port.

2. Charging

The X20-R features a USB-C direct charging port for convenient recharging. The built-in battery indicator light provides real-time power level monitoring.

- Connect the provided USB-C charging cable to the flashlight's charging port.
- Connect the other end of the cable to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
- The battery indicator light will show charging status:

    - Green: Battery level > 30%
    - Orange: Battery level 10% ~ 30%
    - Red: Battery level < 10%

- Charging is complete when the indicator light turns solid green.

OPERATING INSTRUCTIONS

The X20-R features intuitive controls for quick access to various lighting modes.

1. Mode Selection

Switch seamlessly between Duty, Ultra Low/SOS, and Tactical Modes using the simple toggle switch located near the tail cap.

- **Duty Mode:** Cycles through 5 brightness levels (Low, Med 1, Med 2, High, Turbo).
- **Ultra Low & SOS Mode:** Provides softer light for close-range tasks or the SOS signal for emergencies.
- **Tactical Mode:** Offers instant access to Turbo and Strobe functions, critical for emergencies or self-defense.

A COMPACT DESIGN THAT TRULY MAKES A DIFFERENCE

Reduce hand fatigue and work comfortably for extended periods, leading to a more efficient experience.

5.36" 0.88" ACEBEAM X20-R 1.79" Weight: 293g/10.33oz (incl.battery)

Image: Close-up of the X20-R's toggle switch, illustrating the three distinct operating modes.

2. Dual-Stage Tactical Tail Switch

The dual-stage tactical tail switch provides immediate access to critical functions:

- **First Press (half-press):** Activates momentary Turbo.
- **Second Press (full-press):** Activates momentary Strobe.

3. Patented Mechanical Lock

To prevent accidental activation during transport or storage, the X20-R features a patented mechanical lock.

- **Lockout:** Push the mechanical lock inward.
- **Unlock:** Push the mechanical lock outward.

Image: Detailed view of the X20-R's patented mechanical lock, showing its engaged and disengaged positions.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ACEBEAM X20-R flashlight.

- **Cleaning:** Regularly clean the threads and O-rings with a clean cloth. Apply a thin layer of silicone grease to the O-rings periodically to maintain water resistance.
- **Battery Care:** If the flashlight will not be used for an extended period, remove the batteries to prevent leakage and damage. Store batteries in a cool, dry place.
- **Lens Cleaning:** Use a soft, clean cloth and lens cleaning solution to clean the tempered glass lens. Avoid abrasive materials that could scratch the anti-reflective coating.
- **General Care:** Avoid dropping the flashlight from excessive heights. While it is impact-resistant up to 1.5 meters, extreme impacts can still cause damage.

TROUBLESHOOTING

If you encounter issues with your ACEBEAM X20-R, try the following steps:

- **Flashlight not turning on:**

    - Check if the batteries are inserted correctly with the positive (+) end facing the head.
    - Ensure the batteries are fully charged.
    - Verify that the tail cap is fully tightened. A loose tail cap can prevent electrical contact.
    - Check if the mechanical lock is disengaged (pushed outward).

- **Light is dim or flickers:**

    - The battery level may be low. Recharge the batteries.
    - Clean the battery contacts and threads with an alcohol swab to ensure good electrical conductivity.

- **Charging issues:**

    - Ensure the USB-C cable is securely connected to both the flashlight and the power source.
    - Try a different USB-C cable or power adapter.
    - Check the charging port for any debris or damage.

If problems persist after attempting these steps, please contact ACEBEAM customer support for further assistance.
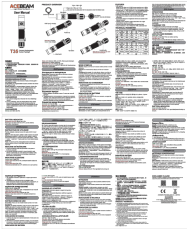
SPECIFICATIONS

Feature	Detail

Feature	Detail
Brand	ACEBEAM
Model Number	ACEBEAM X20 Flashlight
Special Feature	Adjustable Light Modes, Compact, High Lumens, Long Range, Rechargeable
Color	Desert, SFT-25R 6500K LED, Max Output 8,000lms/645M/104,006cd
Power Source	Battery Powered
Light Source Type	LED
Material	Anodized Aluminum
White Brightness	8000 Lumens (SFT-25R HI LED version)
Light Path Distance	645 Meters (SFT-25R HI LED version)
Battery Cell Composition	Lithium Ion
Number of Batteries	2 Nonstandard Battery batteries required (included)
Water Resistance Level	Waterproof (IP68, 2 meters for 30 minutes)
Product Dimensions	5.36"D x 1.79"W x 0.88"H
Item Weight	10.3 ounces
Runtime	Up to 28 hours (Ultra Low mode)
Impact Resistance	1.5 meters

TECHNICAL PARAMETER — 8 X SFT-25R HI 6500K LED

FL1 STANDARD	Turbo	High	Med2	Med1	Low	Ultra Low	SOS	Strobe
LUMENS	8000-2100-150 lumens	1800-150 lumens	750-150 lumens	400-150 lumens	150 lumens	80 lumens	8000-2000 lumens	8000-2100 lumens
RUNTIME	50s+1h20min+20min	1.7h+20min	4.5h+20min	8h+20min	18h	28h	3min+3.5h	3min+3h
DISTANCE	645m	280m	180m	130m	80m	60m	/	/
INTENSITY	104006cd	19600cd	8100cd	4225cd	1600cd	900cd	/	/

SUBMERSIBLE	2m	IMPACT RESISTANCE	1.5m

Note: The above data have been measured in accordance with the international flashlight testing standard ANSI/ PLATO FL1, and are approximate and may vary from flashlights, batteries, and environments.

Image: Technical parameter table for the SFT-25R HI 6500K LED version, detailing lumens, runtime, distance, and intensity across various modes.

Image: Technical parameter table for the HL4X 6500K LED version, detailing lumens, runtime, distance, and intensity across various modes.

OFFICIAL PRODUCT VIDEOS

Your browser does not support the video tag.

Video: ACEBEAM X20-R Super Bright 10000 Lumen Tactical Flashlight. This video demonstrates the flashlight's features, including its dual LED options, patented mechanical lock, tactical tail switch, and various use scenarios, highlighting its durability and powerful illumination.

WARRANTY AND SUPPORT

The ACEBEAM X20-R Tactical Flashlight comes with a **10-year manufacturer warranty**.

For warranty claims, technical support, or any inquiries regarding your product, please contact ACEBEAM customer service directly. You can find contact information on the official ACEBEAM website or through the retailer where you purchased the product.

Visit the official ACEBEAM Store for more information: ACEBEAM Store

Related Documents - **ACEBEAM X20 Flashlight**

[Acebeam X20 High-Lumen LED Flashlight User Manual](#)

Comprehensive user manual for the Acebeam X20, a powerful LED flashlight delivering up to 10,000 lumens. Learn about its features, specifications, operation, battery management, and safety guidelines for optimal use.

[Acebeam T35 Tactical Flashlight User Manual - Features, Specs, Operation](#)

Comprehensive user manual for the Acebeam T35 tactical flashlight. Learn about its features, technical specifications, charging, operation modes, maintenance, and safety guidelines.

[ACEBEAM Defender P18 Tactical Flashlight User Manual - Features, Specs, and Operation](#)

Comprehensive user manual for the ACEBEAM Defender P18 rechargeable tactical flashlight. Learn about its features, technical specifications, battery installation, operation modes, warnings, maintenance, and warranty.

[Acebeam TAC AA EDC Tactical Flashlight User Manual | Features, Specs, Warranty](#)

Comprehensive user manual for the Acebeam TAC AA EDC Tactical Flashlight. Learn about its features, technical specifications, operating instructions, maintenance, warnings, and product warranty.

[Acebeam P20 User Manual: Powerful Long Distance Tactical Flashlight](#)

Comprehensive user manual for the Acebeam P20 flashlight, detailing features, specifications, operation, and safety. Discover its powerful illumination for tactical and long-distance use.

[Acebeam TAC AA EDC Tactical Flashlight User Manual](#)

Comprehensive user manual for the Acebeam TAC AA EDC tactical flashlight, detailing features, operation, maintenance, and warranty. Learn how to use its multiple modes, high output, and durable design.