

Klarus XT1A

Klarus XT1A 1000 Lumens Rechargeable Tactical Flashlight User Manual

Model: XT1A

1. INTRODUCTION

The Klarus XT1A is a compact, high-performance tactical flashlight designed for various applications, including outdoor activities, security, and everyday carry. It features a maximum output of 1000 lumens, a patented dual-switch tail cap for intuitive control, and multiple safety protections. This manual provides detailed instructions for the proper use, maintenance, and care of your XT1A flashlight.

2. PACKAGE CONTENTS

Upon opening your Klarus XT1A package, please verify that all items listed below are present:

- Klarus XT1A Flashlight
- Rechargeable Lithium-Ion Battery (included)
- USB Charging Cable
- Lanyard
- Spare O-ring
- User Manual



Contents of the Klarus XT1A flashlight package, including the flashlight, USB charging cable, lanyard, and user manual.

3. PRODUCT FEATURES

- **High Output:** Delivers up to 1000 lumens.
- **Rechargeable:** Includes a battery with a USB port for convenient charging. Compatible with all AA batteries.
- **Dual-Switch Tail Cap:** Patented design for non-visual, tactile one-handed operation.
- **Programmable Settings:** Offers Tactical and Outdoor settings to suit different user needs.
- **Thermal Isolation System:** Monitors internal temperature to maintain performance and safety.
- **Durable Construction:** Aerospace aluminum alloy body with military-grade hard-anodized finish.
- **Waterproof:** IPX8 rated for submersion up to 2 meters.
- **Impact Resistant:** Designed to withstand impacts up to 1 meter.



Detailed diagram of the Klarus XT1A flashlight, highlighting its ergonomic design and key components: Intelligent Battery Capacity Indicator, Polished Reflector, Tempered Glass, Patented Tactical Dual-Switch Tail Cap, and Heavy Duty Clip.

4. SPECIFICATIONS

Feature	Specification
Power Source	Battery Powered
Light Source Type	LED
White Brightness	1000 Lumens
Product Dimensions	4.24"D x 0.9"W x 0.9"H
Voltage	1 Volts (DC)
Battery Cell Composition	Lithium Ion
Number of Batteries	1 Lithium Ion battery required (included)
Water Resistance Level	IPX8 (Water Resistant, submersible to 2 meters)
Max Beam Distance	182 meters
Max Runtime	Up to 37 hours
Impact Resistance	1 meter
Item Weight	4.6 ounces

5. BATTERY INSTALLATION AND CHARGING

5.1 Battery Installation

1. Unscrew the tail cap of the flashlight.
2. Insert the included Lithium-Ion battery with the positive (+) end facing towards the flashlight head.
3. Screw the tail cap back on tightly to ensure proper contact and waterproof sealing.

5.2 Charging Instructions

The XT1A includes a rechargeable battery with a built-in USB charging port. To charge the battery:

1. Locate the USB charging port on the battery itself.
2. Connect the provided USB charging cable to the battery's port and to a USB power source (e.g., computer, wall adapter).
3. The battery features an indicator light that will show charging status.

5.3 Battery Capacity Indicator

The flashlight features a battery capacity indicator to show the remaining power:

- **Green:** Over 70% capacity
- **Orange:** 30% - 70% capacity
- **Red:** Less than 30% capacity

- **Flashing Red:** Less than 10% capacity (recharge immediately)



Diagram illustrating the battery charging process for the Klarus XT1A, showing the USB charging port and the battery capacity indicator with green (over 70%), orange (30-70%), red (less than 30%), and flashing red (less than 10%) levels.

6. OPERATION MODES

The XT1A features a patented Tactical Dual-Switch Tail Cap, offering two programmable settings: Tactical Setting and Outdoor Setting. This allows for quick access to specific functions based on user preference.

Built For Tactical Operation, One Touch Access

Patented Tactical Dual-Switch Tail Cap, simple and convenient operation

Dual Programmable Settings

Tactical Setting:

One Touch Strobe, One Touch Turbo, Momentary On

Outdoor Setting:

Momentary On, One Touch Turbo, One Touch Low, SOS



Image depicting the Klarus XT1A flashlight held in a gloved hand, highlighting its patented tactical dual-switch tail cap for one-handed operation and programmable settings.

6.1 Tactical Setting

Designed for rapid response and self-defense scenarios.

- **One-Touch Strobe:** Provides immediate access to a disorienting strobe light.
- **One-Touch Turbo:** Activates the maximum brightness output instantly.
- **Momentary On:** Allows for temporary illumination by pressing the switch.

6.2 Outdoor Setting

Optimized for general outdoor use, camping, hiking, and everyday tasks.

- **Momentary On:** Provides temporary light.
- **One-Touch Turbo:** Instant access to maximum brightness.
- **One-Touch Low:** Direct access to the lowest brightness setting for discreet illumination or extended runtime.
- **SOS:** Activates the international distress signal.

6.3 Switching Between Settings

Refer to the detailed instructions in the included printed manual for specific steps on how to switch between the Tactical and Outdoor settings using the tail cap switches.

7. SAFETY AND PROTECTION

The Klarus XT1A incorporates several features to ensure safe and reliable operation.

7.1 Thermal Protection System (TPS)

The flashlight's Thermal Protection System monitors the internal temperature and automatically adjusts the output to prevent overheating, ensuring the longevity of the LED and internal components while maintaining user safety.

7.2 Water and Impact Resistance

The XT1A is rated IPX8 waterproof, meaning it can be submerged in water up to 2 meters without damage. It also features 1-meter impact resistance, providing durability in demanding environments.



The Klarus XT1A flashlight submerged in water, demonstrating its IPX8 waterproof rating (submersible up to 2 meters) and 1-



Thermal Protection System (TPS)

Monitors internal temperature and adjusts output for maximum brightness, while protecting the LED and internal components to ensure safety, stability, and maximum user comfort



Low Battery Capacity
Protection



Impact Protection



High Temperature
Protection



Reverse Polarity
Protection

Infographic detailing the Klarus XT1A's multi-safety protections, including Thermal Protection System (TPS), Low Battery Capacity Protection, Impact Protection, High Temperature Protection, and Reverse Polarity Protection.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Klarus XT1A flashlight.

8.1 General Cleaning

- Clean the flashlight body with a soft, damp cloth.
- Do not use abrasive cleaners or solvents.
- Keep the lens clean to ensure maximum light output. Use a lens cleaning cloth if necessary.

8.2 O-Ring Maintenance

To maintain the waterproof rating, regularly inspect and lubricate the O-rings with silicone grease. Replace O-rings if they appear damaged or worn. Do not remove the O-rings unless necessary for maintenance, as this can damage the waterproof seal.

8.3 Storage

For long-term storage, remove the battery from the flashlight and store it in a cool, dry place. It is recommended to charge the battery every 3 months to maintain its health.

9. TROUBLESHOOTING

If you encounter issues with your Klarus XT1A flashlight, please refer to the following common problems and solutions:

- **Flashlight not turning on:**

- Ensure the battery is correctly inserted with the positive (+) end facing the head.
- Check if the battery is charged. Recharge if necessary.
- Tighten the tail cap and head of the flashlight to ensure proper electrical contact.
- Clean the battery contacts and threads with a clean cloth.

- **Light is dim or flickers:**

- The battery may be low. Recharge or replace the battery.
- Ensure all connections (tail cap, head) are tight.
- Clean battery contacts.

- **Cannot switch modes:**

- Refer to the operation section for correct mode switching procedures.
- Ensure the tail cap is fully tightened.

If the problem persists after attempting these solutions, please contact Klarus customer support for further assistance.

10. WARRANTY AND SUPPORT

Klarus products are manufactured to high-quality standards. For warranty information and customer support, please refer to the official Klarus website or contact their customer service directly. Keep your purchase receipt as proof of purchase.







Contact Information:

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	<p>Klarus E5 Compact LED Flashlight: User Manual & Specifications</p> <p>Explore the Klarus E5, a powerful 470-lumen LED flashlight featuring a magnetic base, USB-C charging, and IPX4 water resistance. This guide covers specifications, operation, and safety.</p>
	<p>KLARUS XT11GT Pro Tactical Flashlight User Manual - Specifications and Operation</p> <p>Comprehensive user manual for the KLARUS XT11GT Pro tactical flashlight, detailing specifications, package contents, operation modes, battery information, warranty, and maintenance.</p>
	<p>KLARUS GL4 Tactical Flashlight User Manual and Specifications</p> <p>Detailed user manual and specifications for the KLARUS GL4 tactical flashlight, including operation modes, installation, maintenance, and warranty information.</p>
	<p>Klarus EP11 Tactical Flashlight User Manual Features, Operations, and Warranty</p> <p>Comprehensive user manual for the Klarus EP11 tactical flashlight. Learn about its features, specifications, operations, battery installation, charging, maintenance, and warranty information.</p>
	<p>KLARUS XT21X PRO Flashlight User Manual</p> <p>Comprehensive user manual for the KLARUS XT21X PRO tactical flashlight, detailing its advanced features, operation modes, specifications, charging, and safety guidelines.</p>
	<p>Klarus GL6 Flashlight User Manual</p> <p>Official user manual for the Klarus GL6 tactical flashlight, covering features, operation, specifications, and safety guidelines for optimal use.</p>