

klarus Klarus-MiX7-AL-180Lmn-Flashlight

Klarus MiX7-AL 180 Lumen Mini LED Flashlight User Manual

INTRODUCTION

Thank you for choosing the Klarus MiX7-AL Mini LED Flashlight. This compact and lightweight flashlight is designed for everyday use, offering a maximum output of 180 lumens and multiple lighting modes. This manual provides detailed instructions for its setup, operation, maintenance, and specifications to ensure optimal performance and safety.

SAFETY INFORMATION

- Do not shine the flashlight directly into eyes.
- Keep out of reach of children.
- Use only the specified AA battery type.
- Remove the battery if the flashlight will not be used for an extended period to prevent leakage.
- Do not disassemble the flashlight head or body, as this may damage the product and void the warranty.

PRODUCT OVERVIEW

The Klarus MiX7-AL is a compact and lightweight mini LED flashlight featuring a CREE XP-G2 1A LED. It operates on a single AA battery and offers a convenient side switch for easy one-handed operation. Its durable aluminum alloy construction and IPX-8 waterproof rating make it suitable for various environments.



Image: The Klarus MiX7-AL Mini LED Flashlight, showcasing its compact design and side switch. It is one of the smallest AA battery flashlights with a side switch.



Image: The Klarus MiX7-AL flashlight positioned next to a smartphone, illustrating its compact and lightweight design suitable for everyday carry.

Key Features:

- One of the smallest AA flashlights with a side switch.
- Patented side switch for convenient one-handed operation.
- Compact and lightweight design for daily use.
- Utilizes a single AA battery, which is readily available and economical.
- Four lighting modes: Medium, Low, High, and Strobe for multi-purpose use.
- Maximum output of 180 lumens.
- Maximum runtime of 126 hours.
- Precision metal reflector for a perfect beam.
- High-efficiency digital driver circuit with reverse polarity protection.
- Constant current output (non-PWM) to prevent flickering.
- IPX-8 waterproof rating (submersible up to 2 meters).

SETUP: BATTERY INSTALLATION

The Klarus MiX7-AL operates on one AA battery. Ensure correct polarity during installation.

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert one AA battery with the positive (+) end facing towards the flashlight head.
3. Screw the tail cap back on clockwise until it is securely tightened. The flashlight features reverse polarity protection to prevent damage from incorrect battery insertion.



Image: The Klarus MiX7-AL flashlight shown alongside a single AA battery, illustrating the battery type required for operation.

OPERATING INSTRUCTIONS

Power On/Off:

- To turn the flashlight ON, press the side switch.
- To turn the flashlight OFF, press and hold the side switch for approximately 0.5 seconds.

Mode Selection:

- When the flashlight is ON, short press the side switch to cycle through the modes: Low → Medium → High.
- To activate Strobe mode, double-click the side switch quickly from any mode (ON or OFF). Press the switch again to return to the previously used constant mode.



Image: A comparison demonstrating the ease of mode conversion with a side switch versus the difficulty of changing modes with a rotary switch, highlighting the MiX7-AL's user-friendly design.

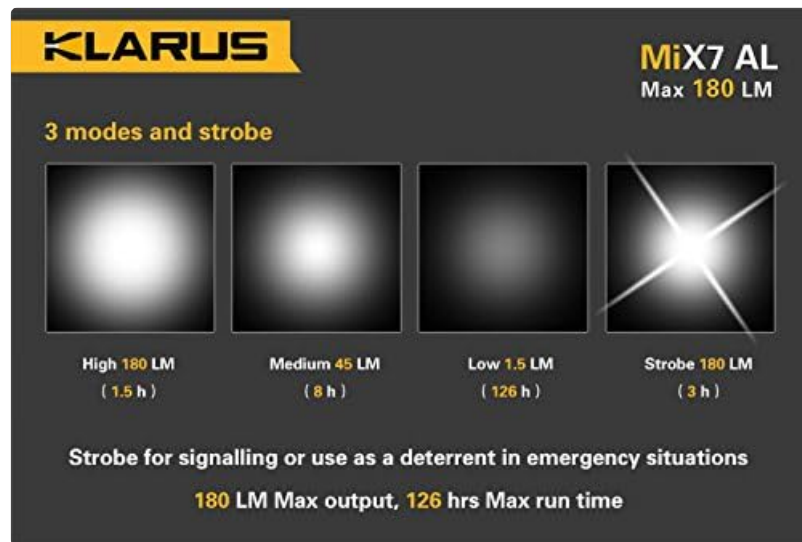


Image: Visual representation of the four lighting modes (High 180 LM, Medium 45 LM, Low 1.5 LM, Strobe 180 LM) with their respective runtimes (1.5h, 8h, 126h, 3h). Strobe mode is useful for signaling or as a deterrent.

MAINTENANCE

- **Cleaning:** Wipe the flashlight with a clean, soft cloth. Do not use harsh chemicals or abrasives.
- **Battery Replacement:** Replace the AA battery when the light output diminishes or the flashlight stops functioning.
- **Storage:** Store the flashlight in a cool, dry place. Remove the battery during long periods of non-use to prevent corrosion.
- **O-rings:** Periodically check and lubricate the O-rings with silicone grease to maintain water resistance.

TROUBLESHOOTING

Flashlight not turning on:

- Ensure the battery is inserted correctly with the positive (+) end facing the head.
- Check if the battery has sufficient charge. Replace with a new AA battery if necessary.
- Ensure the tail cap is fully tightened.

Light flickers or output is inconsistent:

- Check battery charge.
- Ensure the tail cap is securely tightened.
- The Klarus MiX7-AL uses a constant current circuit to prevent flickering, ensuring stable light output.

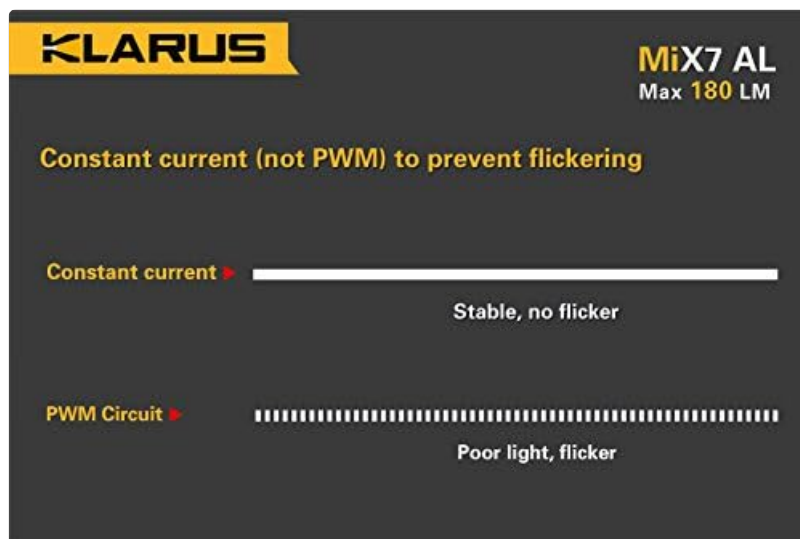


Image: Diagram illustrating the difference between a constant current circuit (stable, no flicker) and a PWM circuit (poor light, flicker), highlighting the MiX7-AL's stable illumination.

SPECIFICATIONS

Feature	Specification
LED	CREE XP-G2 1A with a lifespan of up to 50,000 hours
Lighting Modes	Medium, Low, High, Strobe
Material	Aluminum Alloy
Reflector	Polished metal reflector (smooth) for a balanced beam profile
Lens	Tempered ultra-clear mineral glass with anti-reflective coating
Battery	1 x AA battery (Alkaline recommended)
Operating Voltage	0.9V - 1.8V
Dimensions	95.4 mm (Length) x 17.6 mm (Diameter)
Net Weight	25.5 g (excluding battery)
Waterproof Rating	IPX-8 (submersible 2 meters)
Maximum Light Output	180 Lumens
Battery Life (High)	1 Hour (approximate)

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact your authorized Klarus dealer. Keep your purchase receipt as proof of purchase.

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