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Wurkkos TD01

Wurkkos TD01 LED Rechargeable Tactical Flashlight User Manual

Model: TD01

1. Introduction

Thank you for purchasing the Wurkkos TD01 LED Rechargeable Tactical Flashlight. This manual provides detailed instructions for the safe and efficient use of your flashlight. Please read it carefully before use and retain it for future reference.
The Wurkkos TD01 is a high-performance tactical flashlight equipped with an advanced SFT40 LED, offering a maximum output of 2000 lumens and an ultra-long beam distance of up to 1039 meters. Its robust design, multiple operating modes, and USB-C charging make it suitable for various outdoor activities, self-defense, and emergency situations.

2. Package Contents

- Wurkkos TD01 LED Flashlight
- Rechargeable Lithium-Ion Battery (pre-installed or separate)
- USB-C Charging Cable
- User Manual

3. Setup

3.1 Battery Installation

If the battery is not pre-installed, unscrew the tail cap of the flashlight. Insert the included Lithium-Ion battery with the positive (+) terminal facing towards the head of the flashlight. Screw the tail cap back on tightly to ensure proper contact and water resistance.

3.2 Initial Charging

Before first use, fully charge the flashlight. Connect the USB-C charging cable to the flashlight's USB-C port and plug the other end into a compatible USB power source (e.g., wall adapter, power bank, computer USB port).



Image: Wurkkos TD01 Flashlight connected to a USB-C charger. The image illustrates the USB-C port and the charging indicator (red for charging, green for fully charged).

- The indicator light on the side switch will show **red** during charging.
- The indicator light will turn **green** when charging is complete.
- During charging, the side button can be clicked to switch the emergency light on/off. When the emergency light is on, the light will flash periodically, which is a normal phenomenon.

4. Operating Instructions

4.1 Controls Overview



Image: Diagram illustrating the functions of the tactical tail switch and the side switch on the Wurkkos TD01 flashlight.

- **Tactical Tail Switch:** Located at the rear of the flashlight.
- **Side Switch:** Located on the body of the flashlight, near the head.

4.2 General Illumination Mode (Side Switch)

This mode offers various brightness levels and special modes for general use.

- **Turn On/Off:** Single click the side switch to turn the flashlight on or off.
- **Change Brightness:** When on, press and hold the side switch to cycle through Eco, Low, Medium, and High modes. Release the switch at your desired brightness.
- **Strobe:** Double-click the side switch to activate Strobe mode.
- **SOS:** From Strobe, double-click again to activate SOS mode.
- **Beacon:** From SOS, double-click again to activate Beacon mode.
- **Return to previous mode:** Single click from Strobe/SOS/Beacon to return to the previously used general illumination mode.

4.3 Tactical Mode (Tail Switch)

This mode is designed for quick access to high brightness and defensive functions.

- **Momentary On (High):** Half-press and hold the tail switch for momentary High brightness. Release to turn off.
- **Constant On (High):** Fully press the tail switch until it clicks for constant High brightness. Press again to turn off.
- **Turbo:** From constant High, double-click the tail switch to activate Turbo mode (maximum brightness).
- **Strobe:** From constant High, triple-click the tail switch to activate Strobe mode.
- **SOS:** From Strobe, double-click again to activate SOS mode.
- **Beacon:** From SOS, double-click again to activate Beacon mode.



Image: Visual representation of the various lighting modes (Eco, Low, Medium, High, Strobe, SOS, Beacon) and their respective lumen outputs.

4.4 Mode Switching (General vs. Tactical)

The TD01 allows switching between two user interfaces: General Illumination Mode and Tactical Mode. The flashlight defaults to General Illumination Mode.

- To switch between modes, ensure the flashlight is OFF. Press and hold both the side switch and the tail switch simultaneously for approximately 3 seconds until the light flashes, indicating the mode has changed.

5. Features and Applications

5.1 Long Range Illumination

The TD01 is designed for exceptional long-range performance, reaching up to 1039 meters with a powerful 2000 lumen output. This makes it an ideal tool for search and rescue operations, or illuminating distant objects.



Image: The Wurkkos TD01 flashlight casting a powerful beam across a long distance, highlighting its impressive throw capability.

5.2 Durability and Water Resistance

Constructed from aviation-grade 6061 aluminum alloy with military-grade oxidation treatment and a high-strength reinforced glass lens, the TD01 is built for durability. It features an IP68 waterproof rating, allowing it to operate reliably up to 2 meters underwater and withstand impacts from 1 meter drops.



Image: The Wurkkos TD01 flashlight partially submerged in water, illustrating its IPX8 water resistance and robust construction.

5.3 Safety Features

- **Strobe Mode:** The powerful strobe light can be used for self-defense, disorienting potential threats and providing a sense of security in dark or dangerous situations.
- **Attack Head Design:** The flashlight features an attack head design, which can be used as a safety hammer in emergencies.
- **Advanced Temperature Regulation (ATR):** This technology automatically adjusts the brightness level to prevent overheating, ensuring safe and stable operation.



Image: A person using the Wurkkos TD01 flashlight's intense strobe light to deter an aggressor in a dimly lit area, demonstrating its self-defense capability.

5.4 Versatile Applications

The Wurkkos TD01 is suitable for a wide range of activities:

- Outdoor exploration
- Dog walking
- Hiking
- Camping
- Patrol
- Search operations
- Personal safety
- Daily illumination



Image: A collage depicting the Wurkkos TD01 flashlight in diverse use cases, including security patrol, outdoor searching, personal protection, camping, hiking, and general daily lighting.

6. Maintenance

- **Cleaning:** Clean the flashlight body with a soft cloth. For optical surfaces, use lens cleaning fluid and a soft cloth to avoid scratches.
- **Lubrication:** Lubricate the O-rings and threads regularly with silicone grease to maintain water resistance and smooth operation.
- **Battery Care:** If the flashlight will not be used for an extended period, remove the battery to prevent leakage. Store the battery in a cool, dry place.
- **Water Resistance:** Ensure all caps and covers are tightly closed before exposing the flashlight to water. Regularly inspect O-rings for wear and tear.

7. Troubleshooting

Problem	Possible Cause	Solution
Flashlight does not turn on	◦ Battery low or depleted ◦ Battery incorrectly inserted ◦ Tail cap loose ◦ Contact points dirty	◦ Charge the battery ◦ Reinsert battery with correct polarity ◦ Tighten tail cap ◦ Clean battery contacts and flashlight terminals

Problem	Possible Cause	Solution
Light flickers or turns off unexpectedly	◦ Low battery voltage ◦ Loose connections ◦ Overheating (ATR activation)	◦ Charge the battery ◦ Tighten all parts of the flashlight ◦ Reduce brightness or allow to cool down
Water ingress	◦ Loose tail cap or head ◦ Damaged O-rings	◦ Ensure all parts are tightly sealed ◦ Inspect and replace O-rings if damaged

8. Specifications

Feature	Detail
Model	TD01
LED Type	SFT40 LED
Maximum Output	2000 Lumens
Maximum Beam Distance	1039 Meters
Power Source	1 x Lithium-Ion Battery (included)
Charging	USB-C Rechargeable
Waterproof Rating	IP68 (up to 2 meters underwater)
Impact Resistance	1 Meter
Material	Aviation-grade 6061 Aluminum Alloy
Dimensions (D x W x H)	18.9 cm x 9.6 cm x 7.7 cm
UPC	772467462829

9. Warranty and Support

Wurkkos products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the official Wurkkos website or contact your retailer. Please have your model number (TD01) and proof of purchase ready when contacting support.
For more information, visit the Wurkkos Store on Amazon.

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