

soonfire DS33

Soonfire DS33 Compact Tactical Rechargeable Flashlight User Manual

1. INTRODUCTION

Thank you for choosing the Soonfire DS33 Compact Tactical Rechargeable Flashlight. This manual provides detailed instructions for the proper use, maintenance, and care of your flashlight. Please read this manual thoroughly before operating the device to ensure optimal performance and safety.

The Soonfire DS33 is a high-performance tactical flashlight designed for various applications, offering a maximum output of 1050 lumens. It features a durable aluminum body, multiple brightness modes, and convenient USB recharging.



Image 1.1: Soonfire DS33 Compact Tactical Rechargeable Flashlight. This image shows the flashlight from a slight angle, highlighting its golden finish, side switch, and pocket clip.

2. PACKAGE CONTENTS

Upon unpacking, please verify that all the following items are included in your package:

- Soonfire DS33 Flashlight
- 3400mAh Protected 18650 Li-ion Rechargeable Battery
- USB Charging Cable
- Lanyard
- Spare O-ring
- Holster
- Titanium Alloy Pocket Clip (pre-installed or separate)



Image 2.1: Soonfire DS33 Flashlight with included accessories. The image displays the flashlight, 18650 battery, USB cable, lanyard, and holster, illustrating the complete package contents.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Soonfire DS33 flashlight:



Image 3.1: Exploded view of the Soonfire DS33 flashlight, showing its internal and external components. Labels indicate the 1050-lumen Cree XP-L LED, side switch, USB rechargeable port, 3400mAh battery, gold-plated spring, aviation aluminum body, and tactical tail switch.

- **Head:** Contains the LED and reflector.
- **Side Switch:** Used for mode selection and battery indicator.
- **Micro-USB Charging Port:** Located on the side, protected by a rubber cover.
- **Body:** Main housing for the battery.
- **Tail Switch:** Tactical switch for momentary-on and constant-on functions.
- **Pocket Clip:** For secure carrying.

4. SETUP

4.1 Battery Installation

1. Unscrew the tail cap of the flashlight counter-clockwise.
2. Insert the included 18650 Li-ion battery with the positive (+) terminal facing towards the head of the flashlight.
3. Screw the tail cap back on clockwise until it is securely tightened.

4.2 Initial Charging

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

1. Locate the micro-USB charging port on the side of the flashlight and lift the protective rubber cover.
2. Connect the small end of the USB charging cable to the flashlight's micro-USB port.
3. Connect the larger end of the USB cable to a USB power source (e.g., computer, wall adapter, car adapter).
4. The side switch indicator will glow red during charging. Once fully charged, the indicator will turn blue.
5. After charging, disconnect the cable and securely close the rubber cover to maintain water resistance.

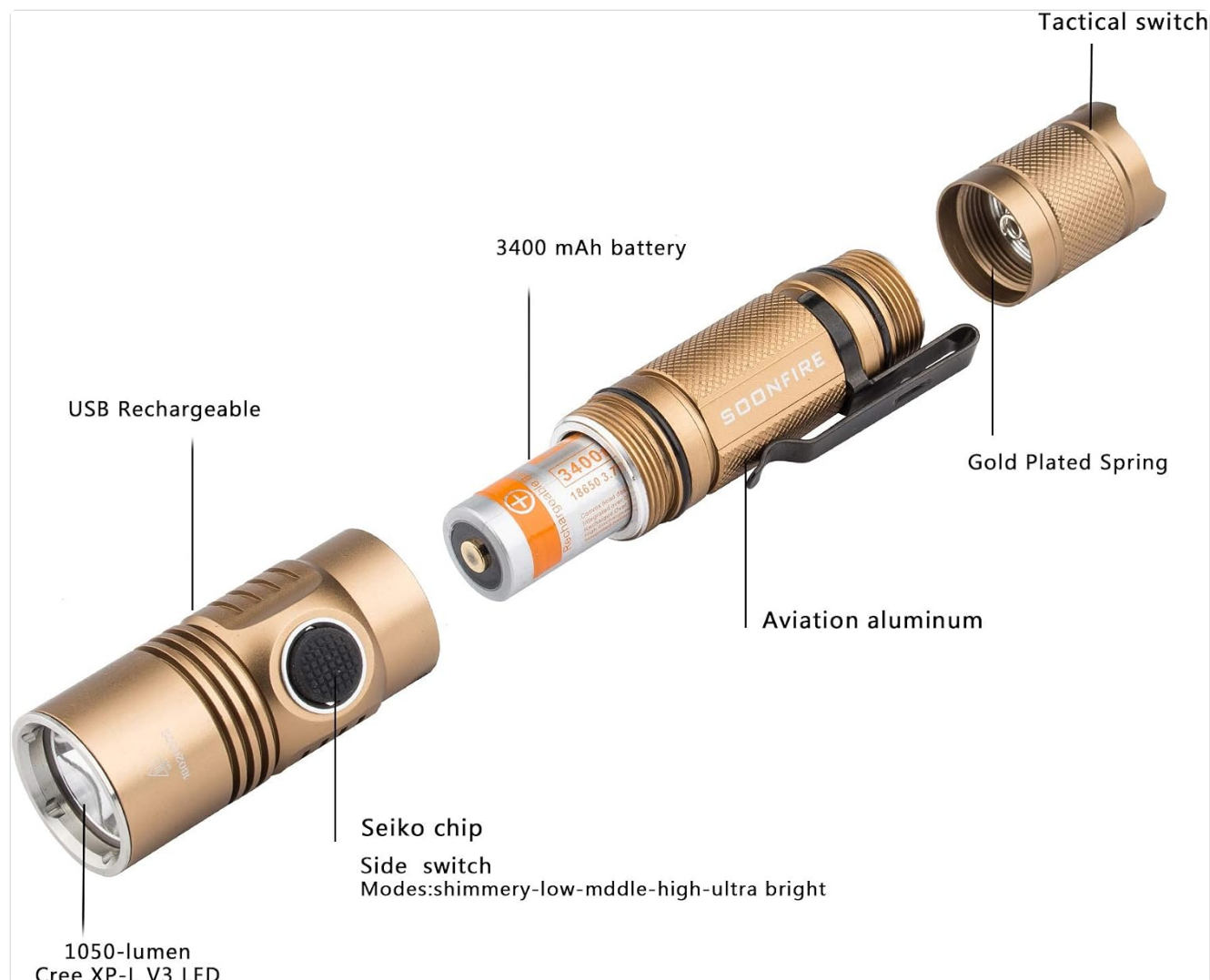


Image 4.1: Illustration of the Soonfire DS33 USB charging process. The image shows the battery insertion, connecting the USB cable to the flashlight, and the indicator lights for charging (red) and fully charged (blue).

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **Momentary-On:** Lightly press and hold the tail switch for momentary illumination. Release to turn off.
- **Constant-On/Off:** Fully press the tail switch until it clicks to turn the flashlight on. Press again until it clicks to turn off.

5.2 Brightness Level Selection

With the flashlight turned on (using the tail switch), press the side switch to cycle through the brightness levels:

- **Tactical Setting:** Ultra > High > Mid > Low > Micro
- **Outdoor Setting:** Turbo > Mid > Low > Strobe > SOS (with mode memory)

The flashlight features mode memory, which means it will turn on in the last used brightness level (excluding Strobe and SOS).

USB Rechargeable Waterproof Tactical Flashlight

Micro -USB adaptable charging port,can be recharged by USB cable,USB to wall or car adapter



The red indicator blinks once for each 1.5 seconds during the charge. The flashlight will be off and the indicator will be blue when the charge is done.

When the red led indicator of flashlight is flashing, the battery power is under 20%,

Image 5.1: Diagram illustrating the programmable settings for the Soonfire DS33 flashlight. It shows two main settings: Tactical Setting (Ultra, High, Mid, Low, Micro) and Outdoor Setting (Turbo, Mid, Low, Strobe, SOS, with Mode Memory).

5.3 Special Modes (Strobe & SOS)

- From any brightness level, double-press the side switch to activate Strobe mode.
- From Strobe mode, double-press the side switch again to activate SOS mode.
- Press the side switch once to return to the previously used brightness level.

5.4 Side Switch Lock Function

To prevent accidental activation, the side switch can be locked:

- With the flashlight off, press and hold the side switch for 3 seconds. The flashlight will flash twice to indicate it

is locked.

- To unlock, press and hold the side switch for 3 seconds again. The flashlight will flash once to indicate it is unlocked.

5.5 Battery Capacity Indicator

The side switch also functions as a battery indicator:

- When the flashlight is on, the indicator light will show the battery status.
- A solid blue light indicates sufficient battery power.
- A flashing red light indicates battery power is below 20%, requiring a recharge.

5.6 Intelligent Temperature Control

The DS33 features an intelligent temperature control system. When the flashlight operates at high brightness levels for extended periods, it may generate significant heat. To prevent overheating and protect the LED and internal components, the system will automatically reduce the brightness output. This ensures safety, stability, and optimal performance.

6. MAINTENANCE

- **Cleaning:** Clean the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Threads and O-rings:** Periodically lubricate the threads and O-rings with silicone grease to maintain water resistance. Replace O-rings if they appear damaged or worn.
- **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.
- **Charging Port:** Keep the micro-USB charging port clean and ensure the rubber cover is properly sealed when not charging.

7. TROUBLESHOOTING

If you encounter issues with your Soonfire DS33 flashlight, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flashlight does not turn on.	Low battery, improperly installed battery, loose tail cap, side switch locked.	Charge the battery. Ensure battery is inserted correctly (positive end towards head). Tighten tail cap. Unlock side switch (press and hold for 3 seconds).
Light flickers or turns off unexpectedly.	Low battery, loose connections, dirty contacts.	Charge the battery. Ensure tail cap is tight. Clean battery and flashlight contacts with a clean cloth.
Flashlight does not charge.	Faulty USB cable, power source issue, dirty charging port.	Try a different USB cable and power source. Clean the micro-USB charging port. Ensure the cable is fully inserted.
Reduced brightness after prolonged use.	Intelligent temperature control activated.	This is normal operation. The flashlight reduces output to prevent overheating. Allow it to cool down.

8. SPECIFICATIONS

The following table outlines the key specifications and performance data for the Soonfire DS33 flashlight:



Image 8.1: Table detailing the Soonfire DS33 flashlight's performance specifications across different modes (Turbo, High, Mid, Low, Lower). It includes lumens output, runtime, beam distance (337m), peak beam intensity (13600 cd), impact resistance (1m), and water resistance (IPX-8 standard, underwater 2m).

Feature	Specification
LED Type	CREE XP-L LED with 50,000 hours lifespan
Max Output	1050 Lumens
Beam Distance	337 meters
Peak Beam Intensity	13600 cd
Impact Resistance	1 meter

Feature	Specification
Water Resistance	IPX8 Standard (submersible up to 2 meters)
Dimensions (Length x Head Diameter x Body Diameter)	148 mm x 30 mm x 25.4 mm
Weight (without battery)	127g
Weight (with battery)	240g
Battery Type	1x 18650 Li-ion (3400mAh included) or 2x CR123A
Material	Aviation Aluminum
Charging Port	Micro-USB

8.1 Runtime and Output Levels

Mode	Output (Lumens)	Runtime
Turbo	1050	1 hour 50 minutes
High	500	3 hours 15 minutes
Mid	200	6 hours 30 minutes
Low	60	56 hours
Lower (Micro)	8	370 hours
Strobe	1050	1 hour 42 minutes (calculated from 1h 50m Turbo runtime)
SOS	200	36 hours

Note: Above specifications are based on ANSI/NEMA FL1 testing requirements using the included 3400mAh 18650 Li-ion battery. Actual performance may vary depending on battery, environment, and usage conditions.

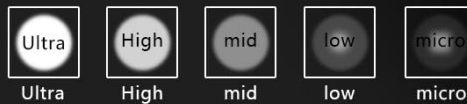
TACTICAL TAIL SWITCH WITH MOMENTARY-ON FUNCTION

Side Switch for Various Mode/Levels
Side Switch Lock Function, Battery Capacity Indicator



Programmable Settings for Multi-purpose Use

Tactical Setting



Ultra High mid low micro

Outdoor Setting



Turbo Mid Low Strobe SOS Mode Memory

1050 LUMENS

Image 8.2: The Soonfire DS33 flashlight submerged in water, demonstrating its IPX8 waterproof rating (2 meters submersible) and 1-meter impact resistance.

1050 LUMENS

MODES	TURBO	HIGH	MID	LOW	LOWER
	1050 LUMENS	500 LUMENS	200 LUMENS	60 LUMENS	8 LUMENS
	1h 50min	3h 15min	6h 30min	56 hours	370 hours
	337 (Beam Distance)				
	13600 cd (Peak Beam Intensity)				
	1 m (Impact Resistant)				
	IPX-8 Standard (underwater 2m)				

ANSI Specifications:
Above specifications refer to international flashlight standard
ANSI/NEMA F11 testing requirements



SOONFIRE

Image 8.3: A hand holding the Soonfire DS33 flashlight with dimensions labeled: 148mm length, 30mm head diameter, and 25.4mm body diameter.

9. SAFETY INFORMATION

- Do not shine the flashlight directly into eyes. The intense light can cause temporary vision impairment or permanent eye damage.
- Keep out of reach of children.
- Do not disassemble the sealed head of the flashlight, as this may damage the LED and void the warranty.
- Use only recommended batteries. Improper battery types or damaged batteries may cause fire, explosion, or leakage.
- Do not dispose of batteries in fire.
- Ensure the USB charging port cover is securely closed when not charging to maintain water resistance.

10. WARRANTY AND SUPPORT

Soonfire products are manufactured with high-quality materials and craftsmanship. For specific warranty details and support inquiries, please refer to the warranty card included with your product or contact Soonfire customer service through their official website or your point of purchase.

ASK A QUESTION ABOUT THIS MANUAL

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