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### ACEBEAM P16 tactical-flashlight

# ACEBEAM Defender P16 Tactical Flashlight User Manual

Model: P16 tactical-flashlight | Brand: ACEBEAM

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your ACEBEAM Defender P16 Tactical Flashlight. Please read this manual thoroughly before operating the device and retain it for future reference.

The ACEBEAM Defender P16 is a high-performance tactical flashlight designed for various applications, offering robust construction and versatile lighting modes. It features a Luminus SFT40 LED, delivering a maximum output of 1800 lumens and a beam distance of up to 529 yards.

Key features include:

- Utilizes a Luminus SFT40 LED, blazing 1800 Lumens max output, 529 Yards max throw.
- Dual tail switches enable intuitive operations for tactical applications.
- Highly efficient constant current circuit provides a stable output for up to 22 hours.
- Four brightness levels and Strobe mode for a wide variety of tasks.
- Made of durable aircraft-grade aluminum. Premium type III hard-anodized anti-abrasive finish. Stainless steel two-way clip included.
- Customized TIR optic lens provides efficient light transmission for a smooth, throw heavy beam. Toughened ultra-clear glass lens with anti-reflective coating.
- Waterproof and dustproof rating in accordance with IP68 (2 meters submersible). Impact resistant to 1.5 meters.

## 2. WHAT'S IN THE BOX

Upon opening the package, please verify that all items are present and in good condition:

- ACEBEAM Defender P16 Tactical Flashlight
- 1 x Lithium Ion 18650 Battery (included and pre-installed)

- Stainless steel two-way clip
- User Manual (this document)

## 3. SETUP AND INITIAL USE

### 3.1 Battery Installation and Charging

The ACEBEAM Defender P16 comes with a pre-installed 18650 Lithium Ion battery. Before first use, it is recommended to fully charge the battery.

1. Unscrew the tail cap of the flashlight.
2. Ensure the battery is inserted with the positive (+) end facing towards the head of the flashlight.
3. Screw the tail cap back on securely.
4. To charge, connect a USB-C cable (not included) to the flashlight's charging port and a power source. The indicator light will show charging status.



Figure 1: ACEBEAM Defender P16 Flashlight. Note the dual tail switch design for intuitive operation.

## 4. OPERATING INSTRUCTIONS

The Defender P16 features dual tail switches for versatile control: a Tactical Switch and a Functional Switch.

### 4.1 Basic Operation

- **Momentary On:** Lightly press the Tactical Switch for momentary illumination. Release to turn off.
- **Constant On/Off:** Fully click the Tactical Switch to turn the flashlight on or off.

### 4.2 Mode Switching (Tactical vs. Daily)

The flashlight offers two main operating modes: Tactical Mode and Daily Mode. You can switch between them:

1. When the flashlight is OFF, press and hold the Functional Switch for 3 seconds.
2. Without releasing the Functional Switch, click the Tactical Switch. The LED light will enter a "breathing light" status, indicating it's waiting for mode switching.
3. Click the Functional Switch to cycle between Tactical Mode and Daily Mode.
4. Release both switches once the desired mode is selected.



Figure 2: Illustration of the Tactical and Functional Switches on the Defender P16.

### 4.3 Brightness Levels and Special Modes

The Defender P16 offers four brightness levels (Low, Mid, High, Turbo) and a Strobe mode.

### 4.3.1 Tactical Mode

- **Instant Strobe:** From OFF or ON, press and hold the Functional Switch for 3 seconds for instant Strobe. Release to turn off.
- **Brightness Adjustment:** When ON, press and hold the Functional Switch to cycle through Low, Mid, High, Turbo. Release to select.

### 4.3.2 Daily Mode

- **Brightness Adjustment:** When ON, press and hold the Functional Switch to cycle through Low, Mid, High, Turbo. Release to select.
- **SOS Mode:** From OFF or ON, press and hold the Functional Switch for more than 1 second to activate SOS. Release to turn off.



Figure 3: The powerful beam of the Defender P16, reaching up to 529 yards.

## 5. MAINTENANCE

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

- **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 and smooth operation.
- **Battery Care:**
  - Store the battery in a cool, dry place when not in use.
  - If the flashlight will not be used for an extended period, remove the battery to prevent leakage.
  - Charge the battery regularly, even if not in use, to maintain its health.
- **Lens Care:** Keep the lens clean and free from dust and debris. Use a lens cleaning cloth if necessary.



Figure 4: The Defender P16 is IP68 rated, ensuring durability in various conditions.

## 6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is low or depleted. Battery inserted incorrectly. Tail cap is loose.	Charge the battery fully. Ensure positive (+) end faces the head. Tighten the tail cap securely.

Problem	Possible Cause	Solution
Light is dim or flickers.	Low battery. Dirty contacts.	Recharge the battery. Clean battery and flashlight contacts with a clean cloth.
Cannot switch modes.	Incorrect button sequence.	Refer to Section 4.2 "Mode Switching" for correct procedure.

## 7. SPECIFICATIONS

Detailed technical specifications for the ACEBEAM Defender P16 Tactical Flashlight:

Feature	Detail
Model	P16 tactical-flashlight
Light Source	Luminus SFT40 LED
Max Output	1800 Lumens
Max Throw Distance	529 Yards (484 Meters)
Power Source	Battery Powered (1 x Lithium Ion 18650, included)
Runtime	Up to 22 hours
Material	Aircraft-grade Aluminum, Type III hard-anodized finish
Water Resistance	IP68 (2 meters submersible)
Impact Resistance	1.5 meters
Dimensions (L x D x H)	1.26"D x 0.91"W x 5.16"H (approx. 32mm x 23.2mm x 131.2mm)
Weight	5.51 Ounces (156.2g with battery)
Special Features	Adjustable Light Modes, High Lumens, Long Range, Non Slip Grip, Portable, Dual Tail Switch, Stainless Steel Bezel



Figure 5: Dimensions of the Defender P16, highlighting its compact and lightweight design.

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product packaging or visit the official ACEBEAM website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may contact ACEBEAM customer service directly through their official channels.

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## Related Documents - P16 tactical-flashlight

	<p><a href="#">ACEBEAM Defender P18 Tactical Flashlight User Manual - Features, Specs, and Operation</a></p> <p>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.</p>
	<p><a href="#">ACEBEAM P16 2.0 Dual Tail Switch Tactical Flashlight User Manual</a></p> <p>Official user manual for the ACEBEAM P16 2.0 tactical flashlight, detailing features, specifications, operation modes, charging, and maintenance. Includes warnings, warranty information, and manufacturer details.</p>
	<p><a href="#">Acebeam T35 Tactical Flashlight User Manual - Features, Specs, Operation</a></p> <p>Comprehensive user manual for the Acebeam T35 tactical flashlight. Learn about its features, technical specifications, charging, operation modes, maintenance, and safety guidelines.</p>
	<p><a href="#">Acebeam P20 User Manual: Powerful Long Distance Tactical Flashlight</a></p> <p>Comprehensive user manual for the Acebeam P20 flashlight, detailing features, specifications, operation, and safety. Discover its powerful illumination for tactical and long-distance use.</p>
	<p><a href="#">Acebeam TAC AA EDC Tactical Flashlight User Manual</a></p> <p>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.</p>
	<p><a href="#">Acebeam TAC AA EDC Tactical Flashlight User Manual   Features, Specs, Warranty</a></p> <p>Comprehensive user manual for the Acebeam TAC AA EDC Tactical Flashlight. Learn about its features, technical specifications, operating instructions, maintenance, warnings, and product warranty.</p>