

Nitecore NB Air

Nitecore NB Air 5000mAh Waterproof Lightweight Power Bank User Manual

1. INTRODUCTION

Thank you for choosing the Nitecore NB Air 5000mAh Waterproof Lightweight Power Bank. This device is engineered for outdoor enthusiasts, offering a reliable and portable power solution. Its compact size, robust construction, and advanced features ensure your devices stay charged in various environments. This manual provides essential information for the safe and efficient use of your NB Air power bank.



The Nitecore NB Air power bank, showcasing its compact design and carbon fiber finish, accompanied by a small keychain.

2. PRODUCT OVERVIEW

The Nitecore NB Air is a competition-grade energy bar designed for durability and portability. It features a 5000mAh capacity with a maximum 18W output, housed in an ultra-thin and lightweight body weighing approximately 89 grams (3.14 ounces). The device incorporates a self-developed composite anti-torsion structure and carbon fiber sheets for enhanced resilience. An IPX7 waterproof rating and an upgraded touch button ensure reliable performance in challenging outdoor conditions.

Key Features:

- **Ultra-Lightweight Design:** Weighs only 89g / 3.14 oz.
- **High Capacity:** 5000mAh (3.88V, 19.4Wh) Li-ion battery.
- **Fast Charging:** Max 18W input and output (Two-way PD + QC 3.0).
- **IPX7 Waterproof:** Protected against temporary immersion in water.
- **Durable Construction:** Carbon fiber sheets and composite anti-torsion structure.
- **Enhanced Safety:** Embedded Microcontroller Unit (MCU) for real-time safe operation.

- **Ergonomic Design:** Rounded corners for comfortable grip and reduced impact.
- **Airline Approved:** Complies with UN38.3 Standard for air travel.

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Total Weight
Mere

89 g/3.14 oz



A hand holding the Nitecore NB Air, emphasizing its ultra-lightweight design at only 89 grams (3.14 ounces), making it highly portable.

Structural Weight

Mere **13.8g**
/ 0.49 oz



An exploded diagram illustrating the internal structure of the NB Air, revealing its lightweight composite frame and double-sided carbon fiber sheets that contribute to its durability and anti-torsion properties.

3. SETUP

Charging the Power Bank:

1. Locate the USB-C input/output port on the Nitecore NB Air.
2. Connect the power bank to a compatible USB power adapter (not included) using a USB-C charging cable (not included).
3. The power indicator lights will illuminate to show the charging status. A full charge is indicated when all lights are solid.

It is recommended to fully charge the power bank before its first use to optimize battery performance.

4. OPERATING INSTRUCTIONS

Charging Your Devices:

1. Connect your device to the USB-C input/output port on the NB Air using a compatible charging cable.

2. The power bank will automatically begin charging your device.
3. The NB Air supports two-way 18W Power Delivery (PD) and Quick Charge (QC 3.0) for efficient charging of compatible devices.

Power Indicator:

The NB Air features indicator lights to display the remaining battery level. Press the touch button to activate the indicators. The number of illuminated lights corresponds to the approximate charge level.

A promotional image for the Nitecore NB Air power bank. It features a black, rectangular power bank with a textured surface. A yellow USB-C cable is plugged into the bottom. In the background, a man in a yellow jacket and beanie is visible. The Nitecore logo is in the top right corner. Large blue text '18W' is overlaid on the image. A blue button with the text 'Efficient Power' is also present. Below the button, the text '18W Input / Output' and 'Two-way PD + QC 3.0 Output' is displayed in large, bold letters.

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18W

Efficient Power

18W Input / Output

Two-way PD + QC 3.0 Output

A user connecting the NB Air to a smartphone via USB-C, demonstrating its 18W two-way Power Delivery (PD) and Quick Charge (QC 3.0) capabilities for efficient charging.

Product Demonstration Video:

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Official video demonstrating the Nitecore NB Air power bank's features and usage in various outdoor scenarios.

5. MAINTENANCE

Cleaning:

Wipe the exterior of the power bank with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the surface or internal components.

Storage:

Store the NB Air in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to charge the power bank to approximately 50% every three months to maintain battery health.

6. SAFETY PRECAUTIONS

- Do not expose the power bank to fire, high temperatures, or direct sunlight for extended periods.
- Avoid physical impact, dropping, or crushing the device.
- While the NB Air is IPX7 waterproof, it is not designed for underwater use. If it accidentally drops into water, dry it thoroughly before further use.
- Do not attempt to disassemble, modify, or repair the device. This will void the warranty and may cause safety hazards.
- Keep out of reach of children.
- Use only compatible charging cables and adapters.
- The embedded Microcontroller Unit (MCU) provides multiple safety protections, including intelligent thermal protection, overcurrent protection, short-circuit protection, over-discharge protection, overcharge protection, and overvoltage protection.
- The NB Air is airline approved, complying with the UN38.3 Standard.



IPX7

Born for the Outdoors



Internally reinforced waterproofing technology combined with the newly upgraded Touch Button and multiple waterproof protection both inside and out, guarantees worry-free outdoor use.

The Nitecore NB Air power bank shown amidst splashing water, highlighting its IPX7 waterproof rating, which ensures protection against temporary immersion in water.

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Embedded Microcontroller Unit (MCU)

The newly upgraded and optimized MCU governs safe operation in real time. Available to be used in temperature between -10~35°C (14~95°F)



Intelligent Thermal Protection



Touch Button Protection



Optimized Charge/Discharge Efficiency



Accurate Power Indication



Overcurrent Protection



Short-circuit Protection



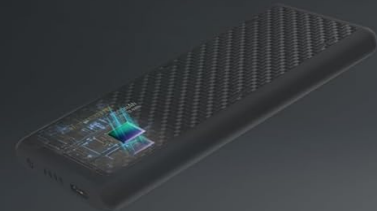
Over-discharge Protection



Overcharge Protection



Overvoltage Protection



An illustration detailing the multiple safety features managed by the embedded Microcontroller Unit (MCU), including intelligent thermal protection, overcurrent protection, short-circuit protection, and more, ensuring safe operation.

7. TROUBLESHOOTING

Power Bank Not Charging:

- Ensure the charging cable is securely connected to both the power bank and the power adapter.
- Verify that the power adapter is functioning correctly and connected to a live power source.
- Try using a different USB-C cable and power adapter.

Device Not Charging from Power Bank:

- Check if the power bank has sufficient charge. Press the touch button to check the indicator lights.
- Ensure the charging cable is securely connected to both the power bank and your device.
- Try using a different charging cable for your device.
- Confirm your device is compatible with USB-C charging.

Slow Charging:

- Ensure both the power adapter (for charging the power bank) and the device being charged support fast charging protocols (PD/QC 3.0) to achieve 18W speeds.
- Using a non-fast charging cable can also result in slower charging speeds.

8. SPECIFICATIONS


Feature	Detail
Cell Type	Li-ion
Capacity	5,000mAh 3.88V (19.4Wh)
Rated Energy	3,300mAh 5V (TYP 2.4A)
Input	USB-C: 5V-2.4A / 9V-2A (18W MAX)
Output	USB-C: 5V-2.4A / 9V-2A / 12V-1.5A (18W MAX)
IP Rating	IPX7
Dimensions	112.0mm x 48.0mm x 9.7mm (4.41" x 1.89" x 0.38")
Weight	89g±5g (3.14 oz±0.1 oz)
Special Features	Fast Charging, Pocket Size
Connector Type	USB Type C
Manufacturer	SYSMAX Innovations Co., Ltd.

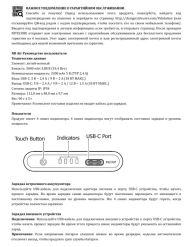




9. WARRANTY AND SUPPORT

Nitecore products are backed by a warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Nitecore website. For technical support, troubleshooting assistance, or any inquiries regarding your Nitecore NB Air power bank, please contact Nitecore customer service through their official channels.

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Related Documents - NB Air

	<p>NITECORE NPB1 Waterproof Power Bank User Manual</p> <p>Comprehensive user manual for the NITECORE NPB1 waterproof power bank, detailing its features, specifications, operation, safety warnings, and warranty information.</p>
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	<p>NITECORE NB Air Power Bank User Manual</p> <p>User manual for the NITECORE NB Air power bank, detailing technical specifications, charging instructions, power level indicators, safety warnings, and warranty information.</p>
	<p>NITECORE NPB4 Waterproof Power Bank User Manual</p> <p>User manual for the NITECORE NPB4, a 20,000mAh IP68 waterproof power bank. Details specifications, operation, safety warnings, and warranty information.</p>
	<p>Nitecore NB10000 Ultra Lightweight Energy Brick User Manual</p> <p>Comprehensive user manual for the Nitecore NB10000 Ultra Lightweight Energy Brick, detailing its features, operation, charging, and safety precautions in multiple languages.</p>
	<p>NITECORE NB20000 Ultra Lightweight Energy Brick User Manual</p> <p>Comprehensive user manual for the NITECORE NB20000 Ultra Lightweight Energy Brick, detailing its features, technical specifications, operating instructions, safety warnings, and warranty information.</p>
	<p>NITECORE NB20000 Ultra Lightweight Energy Brick User Manual</p> <p>User manual for the NITECORE NB20000 Ultra Lightweight Energy Brick, detailing technical specifications, operating instructions, charging modes, warranty information, and safety warnings.</p>