

[Manuals.plus](#) /

› [Kternay](#) /

› Kternay N2 Rechargeable Hand Warmer User Manual

Kternay N2

Kternay N2 Rechargeable Hand Warmer User Manual

Model: N2

1. INTRODUCTION

Thank you for choosing the Kternay N2 Rechargeable Hand Warmer. This device is designed to provide warmth in cold conditions and also functions as a portable power bank. Please read this manual carefully before use to ensure proper operation and to maximize the product's lifespan.

2. PRODUCT FEATURES

- **2-in-1 Functionality:** Serves as both a hand warmer and a 5000mAh power bank.
- **Digital Display:** Shows current temperature and battery percentage.
- **Three Heat Settings:** Adjustable temperatures of 40°C, 50°C, and 60°C.
- **Double-Sided Heating:** Provides warmth from both surfaces for efficient heat transfer.
- **Fast Heating:** Reaches desired temperature quickly.
- **Safety Protections:** Includes over-charge, over-heating, short circuit, over-voltage, and over-discharge protection.

Handwarmer & Power Bank

Charging and Warming at the Same Time



Image: The Kternay N2 Hand Warmer, illustrating its dual function as a hand warmer and a power bank, capable of charging a smartphone.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Kternay N2 Rechargeable Hand Warmer (quantity as purchased)
- USB Charging Cable
- User Manual

4. SETUP

4.1 Initial Charging

1. Before first use, fully charge the hand warmer.

2. Connect the provided USB charging cable to the charging port on the hand warmer.
3. Connect the other end of the cable to a USB power adapter (not included) or a computer's USB port.
4. The digital display will show the charging progress. A full charge typically takes 3-4 hours.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- To turn on the hand warmer function, press and hold the power button for approximately 3 seconds. The digital display will illuminate, showing the current temperature and battery level.
- To turn off the hand warmer function, press and hold the power button for approximately 3 seconds again. The display will turn off.

5.2 Adjusting Heat Levels

Once the hand warmer is on, short press the power button to cycle through the three heat settings:

- **Level 1:** 40°C (Low)
- **Level 2:** 50°C (Medium)
- **Level 3:** 60°C (High)

The digital display will indicate the selected temperature.

Double-Sided Heating

10hrs Long-lasting, 3 Temp Levels



3s Fast Heating



Low Level
104°F/40°C
10h X 2 pack



Middle Level
122°F/50°C
8h X 2 pack



High Level
140°F/60°C
6h X 2 pack

Image: Illustration of the Kternay N2 Hand Warmer's double-sided heating and three adjustable temperature levels (40°C, 50°C, 60°C).

5.3 Digital Display

The LED digital display provides real-time information:

- **Temperature:** Shows the current heating level in degrees Celsius.
- **Battery Percentage:** Indicates the remaining battery charge (e.g., 100%, 75%, 50%, 25%). When the battery is low, the numbers will flash before the device powers off.

6. CHARGING THE HAND WARMER

To recharge your Kternay N2 Hand Warmer:

1. Connect the small end of the USB charging cable to the input port on the hand warmer.
2. Connect the standard USB end to a compatible USB power source (e.g., wall adapter, computer, car charger).
3. The digital display will show the charging status. Ensure the device is fully charged for optimal performance.

Faster Charging Safety Ensured

3-4h Full Charge,
100% Quality Control

5000 TYP
mAh



Over-Charge
Protection



Over-Heating
Protection



Short Circuit
Protection



Over-Voltage
Protection



Over-Voltage
Protection

Image: The Kternay N2 Hand Warmer connected to a charging cable, highlighting its 5000mAh capacity and built-in safety protections during charging.

7. USING AS A POWER BANK

The Kternay N2 can also charge other USB-powered devices:

1. Connect your device's charging cable to the USB output port on the hand warmer.
2. Connect the other end of the cable to your smartphone, tablet, or other compatible device.
3. The hand warmer function will automatically disable when used as a power bank to ensure safety and efficient charging of your external device.

8. MAINTENANCE

8.1 Cleaning

- Wipe the surface of the hand warmer with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or immerse the device in water.

8.2 Storage

- Store the hand warmer in a cool, dry place when not in use.
- Avoid extreme temperatures and direct sunlight.
- For long-term storage, charge the device to approximately 50% every three months to preserve battery health.

9. TROUBLESHOOTING

- **Device not turning on:** Ensure the device is fully charged. If the battery is very low, it may take a few minutes of charging before it can power on.
- **Hand warmer not heating:** Check if the heating function is activated (digital display should show temperature). Ensure it's not simultaneously being used as a power bank.
- **Device not charging:** Verify that the charging cable is securely connected to both the hand warmer and the power source. Try a different USB cable or power adapter.
- **Digital display not working:** If the display is unresponsive, try charging the device. If the issue persists, contact customer support.

10. SPECIFICATIONS

Model Number	N2
Brand	Kternay
Battery Capacity	5000 mAh (Lithium-polymer)
Heat Levels	40°C, 50°C, 60°C
Input/Output	5V/2A (10W)
Material	Plastic (main body)
Dimensions	Approx. 106 x 56 x 28 mm
Weight	Approx. 144 grams per unit
Included Components	Hand warmer, charging cable, user manual

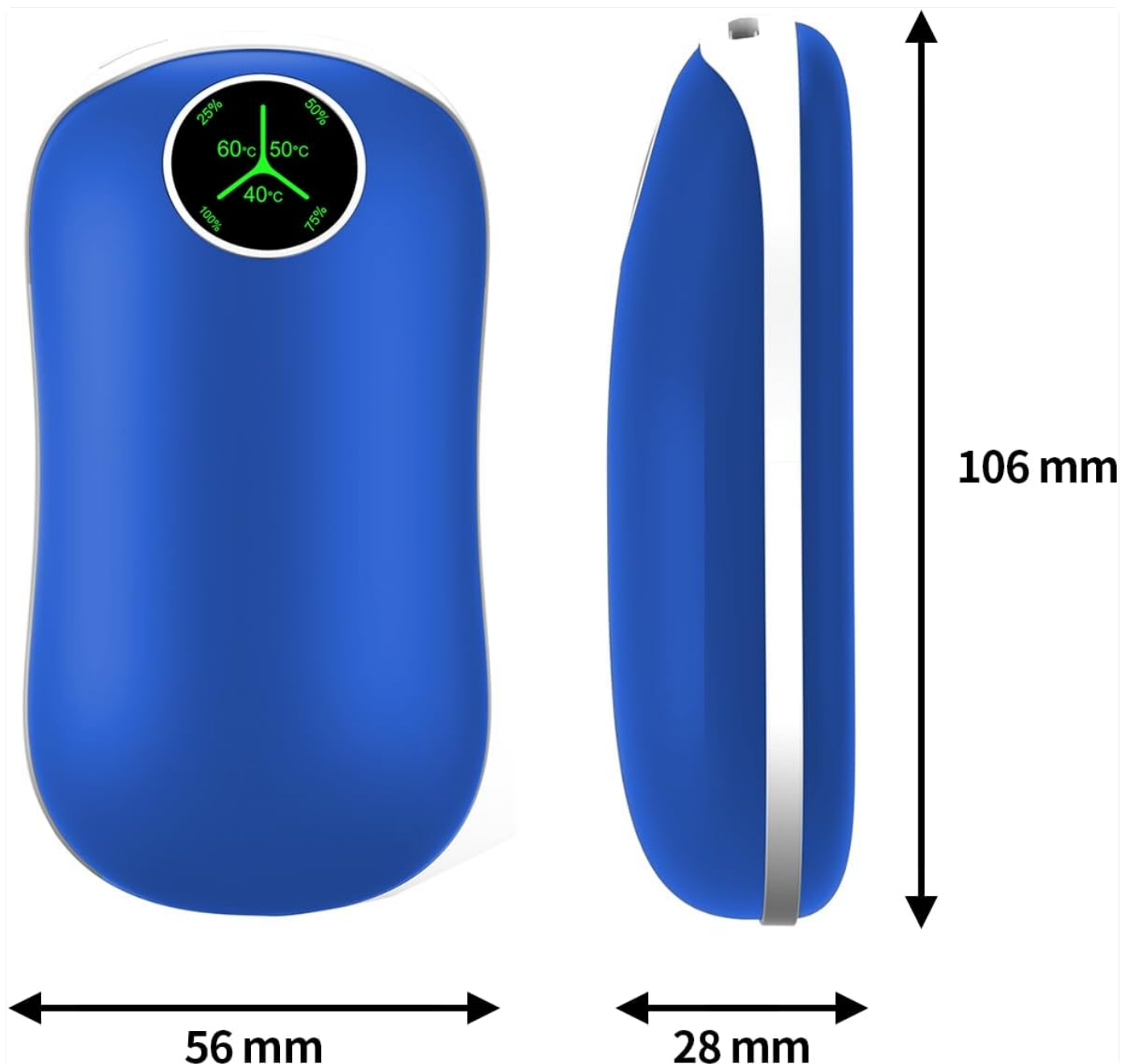


Image: Technical drawing showing the dimensions of the Kternay N2 Hand Warmer: 106 mm length, 56 mm width, and 28 mm thickness.

11. SAFETY INFORMATION

Please observe the following safety precautions:

- Do not expose the device to water or excessive moisture. It is not waterproof.
- Do not disassemble, modify, or attempt to repair the device yourself.
- Keep out of reach of children and pets.
- Avoid dropping or subjecting the device to strong impacts.
- Do not use the device in environments with high temperatures or near flammable materials.
- If the device becomes abnormally hot, emits smoke, or shows any signs of damage, discontinue use immediately and contact support.
- Do not use the hand warmer function while charging the device itself.
- The hand warmer function is automatically disabled when used as a power bank.

12. WARRANTY AND SUPPORT

Kternay products are manufactured with quality and reliability in mind. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Kternay website. Please retain your proof of purchase for warranty claims.

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