

RANVOO FG8

RANVOO AICE LITE Plus Neck Cooler User Manual

Model: FG8 | Brand: RANVOO

1. INTRODUCTION

Thank you for purchasing the RANVOO AICE LITE Plus Neck Cooler. This device is designed to provide superior personal cooling and heating, utilizing advanced technology for optimal comfort in various environments. Please read this manual thoroughly before use to ensure proper operation and maintenance.

Key Features:

- **Powerful Cooling:** Features ICEMAX Plus technology for instant -21°C cooling, with a large 15,020mm² cooling plate and 2.9m/s airflow.
- **AI Power Management:** Optimizes power consumption for extended battery life, up to 19.2 hours.
- **Smart App Control:** Customize 8 modes and 0-100 fan speeds via the dedicated RANVOO app, with OTA update support.
- **Lightweight & Ergonomic:** Weighs only 502g with balanced weight distribution and memory silicone for a comfortable, adaptive fit.
- **Dual Functionality:** Provides both cooling and heating modes for year-round use.
- **Silent Operation:** Equipped with a unique silent mode for discreet use in quiet environments.

2. PACKAGE CONTENTS

Please check the box for the following items:

- RANVOO AICE LITE Plus Neck Cooler Unit
- USB-C Charging Cable
- User Manual (this document)
- Operation Guide

3. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following precautions:

- Do not disassemble, repair, or modify the device. This may cause malfunction or injury and will void the warranty.
- Keep the device away from water and excessive humidity. Do not use it in wet environments.
- Avoid exposing the device to direct sunlight for prolonged periods or extreme temperatures (above 40°C or below 0°C).
- Use only the provided USB-C cable for charging.
- Keep out of reach of children.
- If you experience any discomfort while using the device, discontinue use immediately.

4. PRODUCT OVERVIEW

Components and Controls:

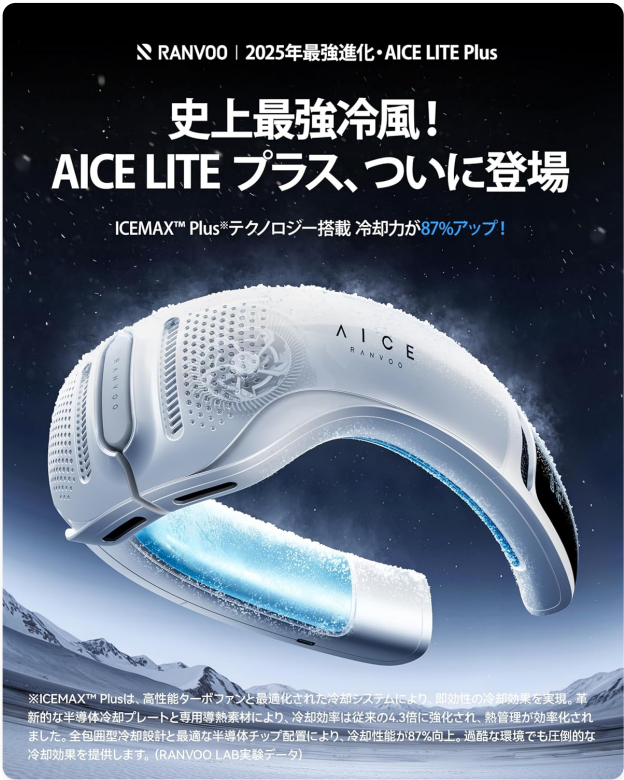


Figure 4.1: Overall view of the RANVOO AICE LITE Plus Neck Cooler, highlighting its ergonomic shape and cooling plate areas.

This image displays the sleek design of the neck cooler, emphasizing the areas where the cooling plates are located, designed to fit comfortably around the neck.



Figure 4.2: Internal components and cooling system diagram.

An exploded view illustrating the advanced internal cooling system, including the Peltier elements, fans, and heat dissipation fins, which work together to provide efficient temperature regulation.



Figure 4.3: Battery and AI Power Management System.

This diagram highlights the large 6000mAh battery and the integrated AI chip responsible for intelligent power management, ensuring long-lasting performance.

5. SETUP

5.1 Initial Charge

Before first use, fully charge your RANVOO AICE LITE Plus. Connect the provided USB-C cable to the charging port on the device and plug the other end into a compatible USB power adapter (not included). The indicator light will show charging status and turn off when fully charged.

5.2 Wearing the Device

Gently open the neck cooler and place it around your neck. The flexible memory silicone material will adapt to your neck shape for a comfortable and secure fit. Ensure the cooling plates are in contact with the back and sides of your neck for optimal performance.

5.3 App Installation

For enhanced control and customization, download the dedicated "RANVOO" app from your smartphone's app store (iOS/Android). Follow the on-screen instructions to pair your device via Bluetooth. The app allows for fine-tuning of modes, fan speeds, and access to advanced features.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **To Power On:** Press and hold the power button for 2 seconds. The display will light up.
- **To Power Off:** Press and hold the power button for 2 seconds. The display will turn off.

6.2 Mode Selection

The device offers multiple operating modes. You can switch between modes using the physical buttons on the device or through the RANVOO app.

- **Cooling Mode:** Activates the Peltier cooling plates and fan for maximum cooling.
- **Heating Mode:** Activates the heating function for warmth in colder conditions.
- **Natural Wind Mode:** Operates only the fan without cooling/heating.
- **AI Mode:** The device automatically adjusts cooling/heating and fan speed based on ambient temperature.
- **Silent Mode:** Reduces fan noise for quiet environments.

6.3 Fan Speed Adjustment

Fan speed can be adjusted from 0 to 100 levels via the RANVOO app for precise control over airflow.

6.4 App Control

The RANVOO app provides comprehensive control:

- **Mode Switching:** Easily switch between Cooling, Heating, Natural Wind, AI, and Silent modes.
- **Temperature/Fan Speed Adjustment:** Use sliders for precise control.
- **Beep/Light Control:** Toggle device sounds and indicator lights.
- **OTA Updates:** Receive firmware updates wirelessly to enhance performance and add new features.

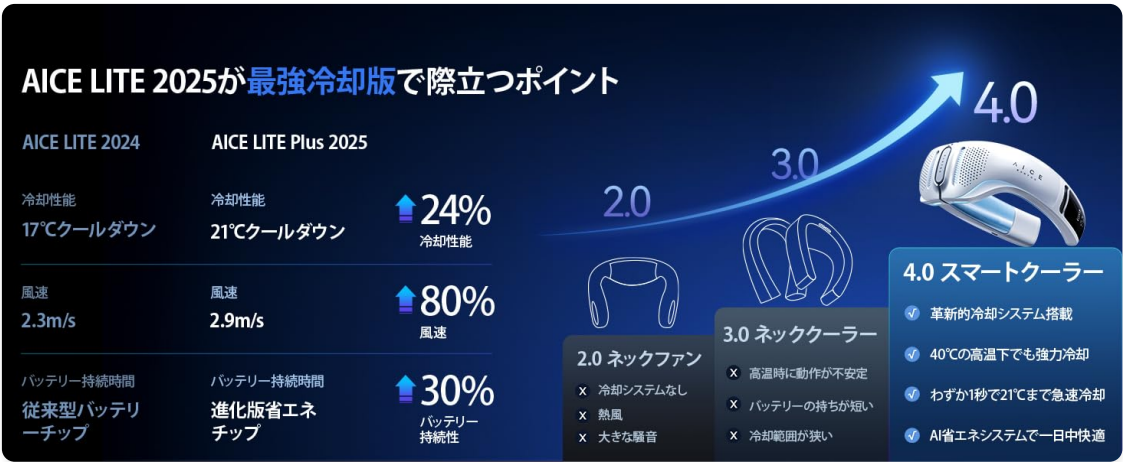


Figure 6.1: RANVOO App Interface for Smart Control.

This image illustrates the user-friendly interface of the RANVOO app, demonstrating how users can easily adjust settings and modes from their smartphone.

7. CHARGING

The RANVOO AICE LITE Plus is equipped with a 6000mAh large-capacity battery and supports fast charging.

- Connect the USB-C cable to the charging port on the device and to a power source.
- The device can be used continuously while charging, providing uninterrupted comfort.
- AI power management optimizes battery usage, extending operation time.

8. MAINTENANCE

Proper maintenance ensures the longevity and performance of your device.

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight. Ensure the battery is partially charged (around 50%) before storing.

9. TROUBLESHOOTING

If you encounter any issues, please refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully.
No cooling/heating effect.	Incorrect mode selected; high ambient temperature.	Ensure Cooling/Heating mode is active. In extreme heat, cooling effect may feel less pronounced.
App cannot connect to device.	Bluetooth is off; device is off; app not updated.	Ensure Bluetooth is enabled on your phone and device is powered on. Update the app to the latest version.
Short battery life.	Constant use of high power modes; aging battery.	Use AI mode or lower fan speed. If issue persists, contact customer support.

10. SPECIFICATIONS

Feature	Specification
Brand	RANVOO
Model Number	FG8
Product Dimensions	16 x 20.8 x 7.9 cm
Item Weight	502 g
Color	Snow White
Power Source	Battery Powered (USB Type C)
Wattage	10 W
Battery Type	Lithium Polymer
Battery Capacity	6000 mAh
Cooling Performance	Up to -21°C
Airflow Speed	Up to 2.9 m/s
Cooling Area	15,020 mm²
Connectivity	Bluetooth (for app control)
Special Features	AI Integration, App Control, Silent Mode, Fast Charging, Wearable Design

11. WARRANTY AND SUPPORT

RANVOO is committed to providing high-quality products and excellent customer service.

- **Warranty:** Your RANVOO AICE LITE Plus comes with a 1-year warranty from the date of purchase. This covers manufacturing defects.

- **Returns:** A 30-day full refund policy is available from the date of purchase.
- **Product Replacement:** In case of any malfunction within the warranty period, free product replacement will be provided.
- **Customer Support:** We offer 24/7 customer support. For any inquiries or assistance, please contact us via:
 - Email: support@ranvoo.com
 - LINE: @RANVOO

© 2025 RANVOO. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question