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> VAVOFO 42W LED Camping Lantern KM-FD02 User Manual

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Model: KM-FD02

1. PRODUCT OVERVIEW

The VAVOFO 42W LED Camping Lantern (Model KM-FD02) is a versatile and powerful lighting solution designed for various outdoor and emergency situations. It features high brightness, multiple lighting modes, a built-in power bank, and durable construction.

Key Features:

- **Ultra Bright Illumination:** Equipped with 180 LEDs, providing up to 4000 lumens of light.
- **Rechargeable Power Bank:** Integrated 10000mAh battery, rechargeable via Type-C, also functions as a power bank for other devices.
- **Versatile Lighting Modes:** Three color temperature modes (3500K Warm Light, 5500K Natural Light, 9000K White Light) with stepless dimming.
- **Multiple Mounting Options:** Features a hidden hook for hanging and powerful magnets for attaching to metal surfaces. The stand rotates 90 degrees for adjustable lighting angles.
- **Durable & Weatherproof:** IP65 waterproof and dust-proof rating ensures reliability in various environmental conditions.



Figure 1: VAVOFO 42W LED Camping Lantern.

2. SETUP AND FIRST USE

2.1 Unboxing

Carefully remove the lantern and its accessories from the packaging. Ensure all components are present: the VAVOFO LED Camping Lantern, a USB-C charging cable, and this instruction manual.

Your browser does not support the video tag.

Video 1: Unboxing and overview of the VAVOFO LED Camping Lantern. This video demonstrates the contents of the package and initial handling of the lantern.

2.2 Initial Charging

Before first use, fully charge the lantern. Connect the provided USB-C cable to the lantern's charging port and plug the other end into a compatible USB power adapter (not included). The battery indicator lights will show charging progress.



Figure 2: The lantern being charged via its USB-C port, showing the battery level indicators.

2.3 Mounting Options

The lantern offers flexible mounting for various scenarios:

- **Hanging Hook:** Extend the hidden hook from the top handle to hang the lantern in tents, on branches, or other suitable fixtures.
- **Magnetic Base:** Utilize the powerful built-in magnets on the back to attach the lantern securely to any metal surface, such as car hoods or metal shelves.
- **Adjustable Stand:** The integrated stand can rotate 90 degrees, allowing you to position the light at the desired angle for directional illumination.



Figure 3: Demonstrating the magnetic base and hanging hook features for versatile placement.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Mode Selection

Locate the power button on the lantern. A short press will turn the light on and cycle through the three available color temperature modes:

1. **9000K White Light:** Bright, cool white illumination.

2. **3500K Warm Light:** Softer, yellowish light for a cozy ambiance.
3. **5500K Natural Light:** A balanced light suitable for general use.

To turn the lantern off, continue short-pressing the power button until the light extinguishes, or long-press the button from any mode.



Figure 4: Illustration of the three lighting modes (White, Natural, Warm) and stepless dimming functionality.

3.2 Stepless Dimming

While the lantern is on, press and hold the power button to activate stepless dimming. The brightness will gradually increase or decrease. Release the button when the desired brightness level is reached. The lantern will remember the last brightness setting when turned off and on again within the same mode.

3.3 Power Bank Function

The VAVOFO LED Camping Lantern can serve as a portable power bank. Connect your electronic device (e.g., smartphone, tablet) to the lantern's USB-A output port using your device's charging cable. The lantern's 10000mAh battery will provide emergency power.



Figure 5: The lantern's power bank feature in use, charging a mobile phone.

4. MAINTENANCE

4.1 Cleaning

To clean the lantern, wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the surface or internal components. Ensure the charging port cover is securely closed before cleaning or exposing to water.

4.2 Water Resistance

The lantern is rated IP65 waterproof and dust-proof, meaning it is protected against dust ingress and low-pressure water jets from any direction. It is suitable for use in rainy conditions but should not be submerged in water.



Figure 6: The lantern operating in wet conditions, highlighting its IP65 water resistance.

4.3 Battery Care

To prolong battery life, avoid fully discharging the lantern frequently. Recharge the battery when the indicator shows low power. If storing the lantern for an extended period, charge it to approximately 50-70% every 3-6 months to prevent deep discharge.

5. TROUBLESHOOTING

- **Lantern does not turn on:**
 - Ensure the battery is charged. Connect to a power source and check the charging indicator.
 - Press and hold the power button for a few seconds to ensure it's not just a short press.
- **Light is dim or flickers:**
 - The battery might be low. Recharge the lantern fully.
 - Adjust the brightness using the stepless dimming function (long press the power button).
- **Power bank function not working:**
 - Ensure the lantern has sufficient battery charge.
 - Check the connection of the USB cable to both the lantern and your device. Try a different cable if necessary.
 - Some devices may require specific charging protocols; ensure compatibility.
- **Water ingress despite IP65 rating:**
 - Verify that the charging port cover is fully sealed.
 - IP65 protects against splashes and jets, not submersion. Avoid dropping the lantern into water.

6. SPECIFICATIONS

Feature	Specification
Model Number	KM-FD02

Feature	Specification
Light Source	180 LEDs
Brightness	Up to 4000 Lumens
Light Source Wattage	42 Watts
Battery Capacity	10000mAh (Lithium-Ion)
Charging Port	Type-C
Power Bank Output	USB-A
Lighting Modes	3 (3500K, 5500K, 9000K) with Stepless Dimming
Water Resistance	IP65
Product Dimensions	6.88"L x 6.77"W x 2.75"H
Item Weight	14.1 ounces
Material	Plastic

7. WARRANTY AND SUPPORT

7.1 Warranty Information

VAVOFO products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or contact VAVOFO customer support. Keep your purchase receipt as proof of purchase for warranty claims.

7.2 Customer Support

If you encounter any issues or have questions regarding your VAVOFO 42W LED Camping Lantern, please contact VAVOFO customer support. Contact information can typically be found on the product packaging or the official VAVOFO website.

ASK A QUESTION ABOUT THIS MANUAL

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