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› Drchop X20 10400mAh Solar Fan with LED Lantern User Manual

Drchop X20

Drchop X20 10400mAh Solar Fan with LED Lantern User Manual

Model: X20 | Brand: Drchop

1. INTRODUCTION

Thank you for choosing the Drchop X20 Solar Fan. This device combines a powerful fan, an LED lantern, and a solar charging capability, making it ideal for various indoor and outdoor applications such as camping, office use, or during power outages. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting.



36 Hrs

1.7m/s min



8 Hrs

3.3m/s max



6 Hrs

Fast Charge



7w

Solar panel

10400mAh Large Battery Capacity



Image 1.1: Drchop X20 Solar Fan in an outdoor setting with its solar panel.

2. SAFETY INSTRUCTIONS

- Read all instructions before use and retain for future reference.
- Do not immerse the fan or solar panel in water or other liquids.
- Keep out of reach of children.
- Do not block the fan blades or air inlets/outlets during operation.
- Use only the provided USB Type-C cable for charging or a certified equivalent.
- Avoid exposing the solar panel to extreme heat or direct sunlight for prolonged periods when not in use, especially if the fan is integrated. The Drchop X20 features a split solar panel design to mitigate this risk.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Drchop X20 Solar Fan Unit
- Detachable Solar Panel (7W)
- USB Type-C Charging Cable
- User Manual (this document)

4. PRODUCT OVERVIEW

The Drchop X20 features a compact design with intuitive controls. Key components include:

- **Fan Head:** Houses the fan blades and motor.
- **Control Knob:** For stepless speed adjustment and power control.
- **LED Lantern:** Integrated light source with multiple brightness settings.
- **USB Type-C Port:** For charging the fan's internal battery.
- **USB-A Output Port:** For charging external devices (power bank function).
- **Solar Panel Input Port:** Connects to the external solar panel.
- **Adjustable Stand/Base:** Allows for 270° rotation and stable placement.
- **Hanging Hook:** Located on the base for suspending the fan.

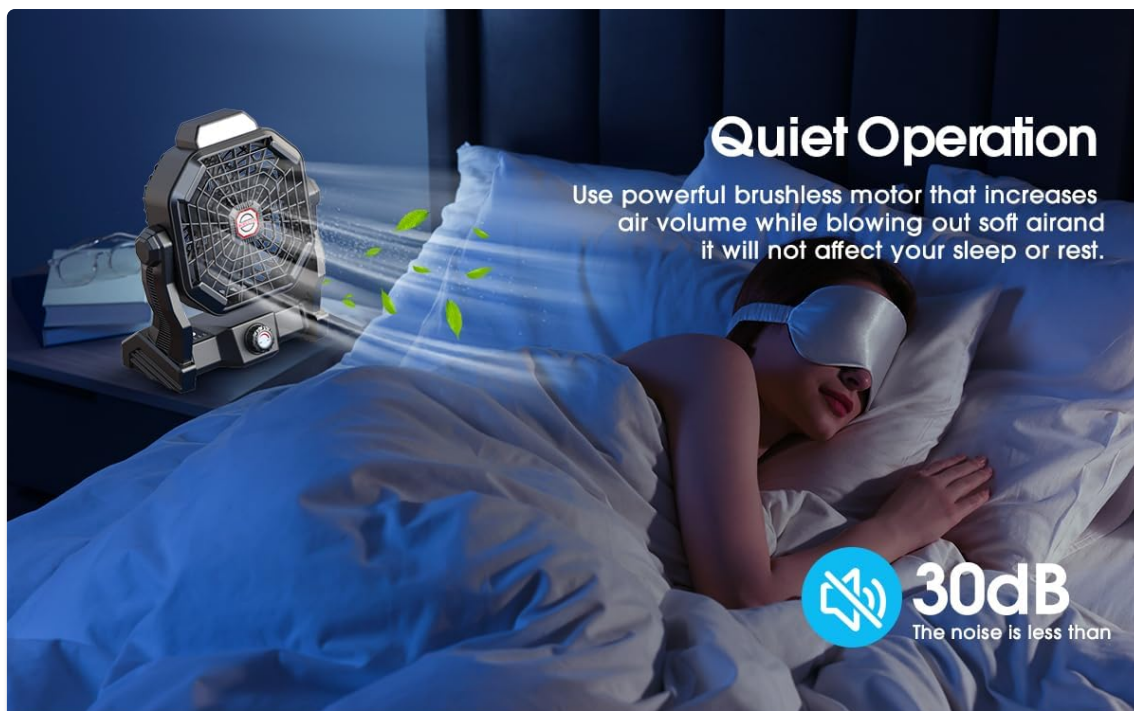


Image 4.1: Drchop X20 Solar Fan highlighting internal components and desk use.

5. SETUP

1. **Unpack:** Carefully remove all components from the packaging.
2. **Initial Charge:** For optimal performance, fully charge the fan using the USB Type-C cable before first use. Connect the USB Type-C cable to the fan's charging port and the other end to a 5V/2A USB power adapter (not included) or a computer USB port. The charging indicator will illuminate.
3. **Solar Panel Connection:** If using solar charging, connect the provided solar panel to the designated input port on the fan.

6. OPERATING INSTRUCTIONS

6.1 Fan Operation

1. **Power On/Off:** Rotate the control knob clockwise to turn the fan on. Continue rotating to increase

speed. Rotate counter-clockwise to decrease speed and turn off.

2. **Speed Adjustment:** The fan features stepless speed control. Rotate the knob gradually to achieve your desired airflow, from gentle breeze to strong wind.
3. **Angle Adjustment:** Manually adjust the fan head up or down by up to 270 degrees to direct airflow as needed.
4. **Placement:** Place the fan on a stable, flat surface or use the integrated hook to hang it.



Image 6.1: Drchop X20 Solar Fan demonstrating hanging capability and LED light.

6.2 LED Lantern Operation

The LED lantern is controlled by a separate button, usually located near the fan control knob.

1. **Turn On/Off:** Press the LED light button once to turn on the light at its lowest brightness setting.
2. **Adjust Brightness:** Press the button repeatedly to cycle through the 3 available brightness levels.

3. **Turn Off:** After cycling through all brightness levels, pressing the button again will turn off the LED lantern.

7. CHARGING

The Drchop X20 fan can be charged via two methods:

7.1 USB Type-C Charging

- Connect the provided USB Type-C cable to the fan's charging port.
- Connect the other end of the cable to a USB power source (e.g., wall adapter, power bank, computer).
- A full charge typically takes approximately 2 hours with a 5V/2A adapter.



Image 7.1: Drchop X20 Solar Fan charging via USB Type-C.

7.2 Solar Panel Charging

- Connect the 7W solar panel to the dedicated solar input port on the fan.
- Place the solar panel in direct sunlight for efficient charging.
- Solar charging time is approximately 6-8 hours, depending on sunlight intensity.
- The split solar panel design allows you to place the fan in a shaded area while the panel is in direct sun, protecting the fan's battery and extending its lifespan.



Image 7.2: Drchop X20 Solar Fan charging with its external solar panel.

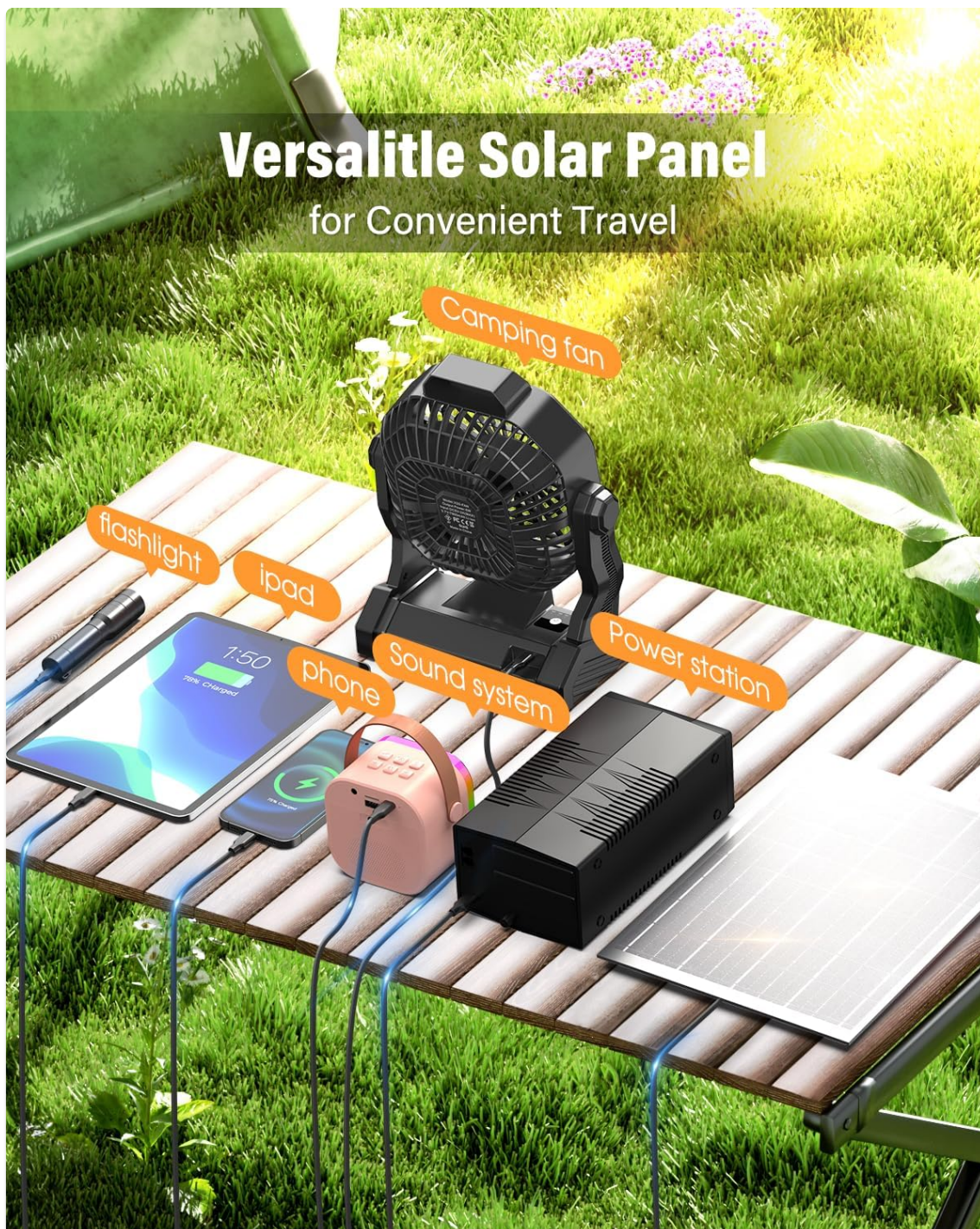


Image 7.3: Solar panel demonstrating emergency charging capabilities for various devices.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe the fan and solar panel. Do not use abrasive cleaners or immerse in water.
- **Storage:** Store the fan in a cool, dry place when not in use. If storing for extended periods, charge the battery every 3 months to maintain its health.
- **Battery Care:** Avoid fully depleting the battery frequently to prolong its lifespan.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Fan does not turn on.	Battery is depleted.	Charge the fan using the USB Type-C cable or solar panel.
Fan speed is weak.	Battery is low or fan speed setting is too low.	Charge the fan. Rotate the control knob clockwise to increase speed.
LED lantern does not turn on.	Battery is depleted or light button not pressed correctly.	Charge the fan. Press the LED light button firmly.
Solar panel not charging.	Insufficient sunlight or panel not connected properly.	Ensure the solar panel is in direct sunlight and securely connected to the fan.

10. SPECIFICATIONS

- **Model:** X20
- **Battery Capacity:** 10400mAh
- **Solar Panel:** 7W
- **Fan Size:** 9-inch
- **Power Source:** Battery Powered, Solar Powered
- **Charging Input:** USB Type-C (5V/2A recommended)
- **USB-C Charging Time:** Approx. 2 hours
- **Solar Charging Time:** Approx. 6-8 hours (under direct sunlight)
- **Operating Time:** 8-36 hours (depending on speed setting)
- **Noise Level:** <30dB
- **LED Lantern:** 3 brightness settings
- **Rotation Angle:** 270°
- **Material:** Durable ABS Plastic
- **Dimensions (D x W x H):** 8.3" x 8.3" x 9.1"
- **Weight:** 1.3 pounds

11. WARRANTY AND SUPPORT

Drchop is committed to customer satisfaction. This product comes with a 30-day hassle-free return/free exchange policy.

For any questions, concerns, or technical support, please contact our customer service team. We aim to reply within 24 hours of receiving your message.

Please refer to your purchase platform for specific contact details or visit the official Drchop website for support information.

