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> Nitecore CineWind CW20 Pocket Photography Fan Instruction Manual

Nitecore CW20

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Model: CW20 | Brand: Nitecore

1. INTRODUCTION AND OVERVIEW

The Nitecore CineWind CW20 is a versatile multipurpose pocket photography fan designed for professional tasks and everyday use. It features a compact and lightweight design, making it highly portable for various applications. Key features include:

- **Powerful Airflow:** Equipped with a 100W high-power brushless turbo motor, reaching a max wind speed of 42 m/s (94.0 mph).
- **Instant Start:** Achieves full power in just 0.3 seconds for fast response.
- **Stepless Speed Control:** Allows for seamless and smooth rotational control to simulate natural wind effects.
- **Long Battery Life:** Built-in 26.64Wh (14.8V) high-performance battery provides up to 20 minutes of runtime at max wind speed.
- **Fast Charging:** Supports up to 18W QC/PD fast charging, fully charging in approximately 2.5 hours.
- **Versatile Use:** Functions as both a photography fan for styling and a multipurpose dust blower for cleaning.
- **Durable Construction:** Made from aero-grade aluminum alloy with HA III military-grade hard-anodized finish.
- **Included Accessories:** Comes with flat and round nozzles, a lanyard, and a rugged storage case.





The Nitecore CW20 Pocket Photography Fan, showcasing its compact design.

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0.3_s
Instant Start



Startup Speed Comparison

CW20: 0.3s

Competitor: 1s

70%↑ faster

*Testing conducted when the fan is unlocked.

Unlike conventional turbo fans, the CW20 features a built-in 100W high power brushless turbo motor, spinning at an amazing 98,000 RPM. It starts in just 0.3 seconds, quickly going from off to full power, to achieve fast response and strong airflow.

Motor:

100W High Power Brushless Motor

Rotational Speed:

98,000 RPM

Max Wind Speed:

42 m/s (94.0 mph)



Illustration of the CW20's instant start capability and powerful motor.

Perfect Partner for Any Situation



Wedding Planners
/ Travel Photographers



E-commerce
Photography Team



Movie / TV Drama



We-media

Versatile Fan or Blower

The CW20 is not just a photography fan; it's also a handy mutipurpose dust blower. Perfect for both indoor and outdoor use, it fits right into any situation.



Photography Fan



Mutipurpose Handheld Dust Blower

The CW20 is a perfect partner for various situations, including photography and as a multipurpose dust blower.

2. SETUP

Before first use, ensure the CW20 is fully charged. Use the provided USB-C charging cable. The battery indicator lights will show the charging status.

2.1 Attaching Nozzles

The CW20 comes with two interchangeable nozzles: a round nozzle for powerful and deep cleaning, and a flat nozzle for cleaning larger areas with high efficiency. To attach a nozzle, simply align it with the fan's output and push firmly until it clicks into place.

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Premium Feel and Touch

Made from aero grade aluminum alloy with HA III military grade hard-anodized finish, the CW20 is durable and resistant to scratch, sweat and fingerprints while offering a premium feel and touch.

The CW20 includes both a round nozzle and a flat nozzle for enhanced cleaning performance.

2.2 Attaching Lanyard and Tripod Mounting

A lanyard is included for convenient carrying. Attach it to the designated loop on the device. The CW20 also features a 1/4" screw hole on the bottom, compatible with standard photography and imaging accessories like tripods, allowing for stable positioning during use.

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Screw Hole Available

Compatible with the ecosystem of photography and imaging accessories

NITECORE®



The 1/4" screw hole on the base allows for compatibility with various photography accessories.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

To power on the CW20, press and hold the power button (yellow button) for approximately 1 second. To power off, press and hold the power button again until the device shuts down.

3.2 Adjusting Wind Speed

The CW20 features a stepless wind speed control dial. Rotate the dial to precisely adjust the airflow from minimum to maximum speed. The four blue indicator lights next to the dial show the current battery level.

Two Nozzles Included for Enhanced Cleaning Performance



Round Nozzle

Ideal for powerful
and deep cleaning



Flat Nozzle

Ideal for cleaning larger
areas with high efficiency

Rugged Storage Case Included

Made with 0.5mm (0.02") thick nano-tech material, the case is soft to the touch yet sturdy. Complemented by an internal mesh compartment, it also offers good protection to the fan and organized storage for cables.



The stepless wind speed control dial allows for precise adjustment of airflow.

3.3 Usage Scenarios

The CW20 is ideal for a variety of uses:

- **Photography:** Create natural wind effects for hair, clothing, or props in wedding, travel, e-commerce, and filmmaking shoots.
- **Dust Blower:** Effectively remove dust and debris from camera lenses, keyboards, electronics, and other hard-to-reach areas.

Official Nitecore video demonstrating the CW20 Photography fan in various applications.

4. MAINTENANCE

To ensure optimal performance and longevity of your Nitecore CW20, regular maintenance is recommended.

4.1 Cleaning

Use the CW20 itself as a dust blower to clean its own exterior and internal components. For stubborn dirt, gently wipe the surface with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.

4.2 Storage

When not in use, store the CW20 in its rugged storage case. The case is made from 0.5mm (0.02") thick nano-tech material, providing good protection and organized storage for the fan and its cables.

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26.64Wh High Rate Battery Pack

Packed with high-performance batteries with 26.64Wh (14.8V) large capacity, the CW20 can achieve high power output instantly and provide up to 20 minutes of runtime at max wind speed.

Max Wind Speed (Approx. 42 m/s) (94.0 mph)



Runtime: 20min

Min Wind Speed (4.2 m/s) (9.4 mph)



Runtime: 15.5h

18W

Fast Charging

The CW20 supports up to 18W QC/PD fast charging, allowing for a quick charge in just about 2.5 hours.

The included rugged storage case protects the CW20 and its accessories.

5. TROUBLESHOOTING

If you encounter any issues with your Nitecore CW20, please refer to the following common troubleshooting steps:

- **Device not turning on:** Ensure the battery is fully charged. Connect the device to a power source using the USB-C cable and allow it to charge for at least 30 minutes before attempting to power on again.
- **Weak airflow:** Check if the nozzles are securely attached. Ensure the speed control dial is set to the desired level. If the battery is low, charge the device.
- **Unusual noise:** Inspect the fan's intake and output for any obstructions. Ensure no foreign objects are lodged inside.

- **Charging issues:** Verify that the USB-C cable and power adapter are functioning correctly. Try using a different cable or adapter. Ensure the charging port is clean and free of debris.

If the problem persists after attempting these steps, please contact Nitecore customer support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Brand	Nitecore
Model Name	CW20
Color	Black
Electric Fan Design	Blower
Power Source	Battery Powered
Product Dimensions	1.5"D x 2.6"W x 4.5"H
Special Feature	Portable, Lightweight
Recommended Uses	Air Circulation
Wattage	100 watts
Voltage	14.8 Volts
Included Components	Flat Nozzle, Lanyard, Round Nozzle, Charging Cable
Indoor/Outdoor Usage	Outdoor, Indoor
Control Method	Touch
Blade Material	Plastic
Is Cordless?	Yes
Item Weight	15.8 ounces
Batteries	1 Lithium Ion batteries required (included)
Date First Available	April 10, 2024

7. WARRANTY AND SUPPORT

Nitecore products are manufactured to the highest quality standards. For specific warranty information regarding your CW20 Pocket Photography Fan, please refer to the warranty card included in the product packaging. For technical support, product inquiries, or service requests, please visit the official Nitecore website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

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Question

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Details

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

Submit question

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