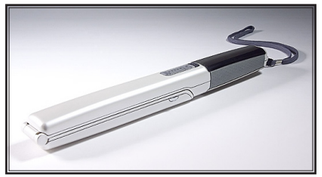
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Nano UV Wand™
Large Area Disinfection Scanner
User Manual



Scan Here

You are the proud owner of the worlds first "Large-Area" Nano-UV Disinfection Scanner!

GERMS

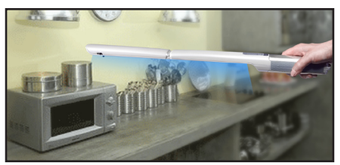
Zadro

Read these instructions before use.
Model No.: NW-200

This product is designed for a powerful surface disinfection. It produces sufficient energy to destroy DNA of all kinds of microorganisms. Do not expose your body or your eyes to this energy.

It will kill epidemic bacteria such as Escherichia Coli (E-Coli), Salmonella Typhii, Staphylococcus Aureus, plus Asian Bird Flu and SARS virus at 99.99% in 10 seconds.

The Nano UV Wand™ is suitable for personal and family life and can also be used widely in different social and business environments. Its handy design and ease of use are especially suitable for home, office, hospital, doctors offices & waiting rooms.



Application Area

Infants - bottles, pacifiers, changing tables, cribs & toys

Restaurants – utensils, tableware, high chairs, rest rooms, tables, kitchens & food.

Hotels – pillows, bedding, towels, doorknobs rest rooms & beds.

Offices – telephones, office equipment, keyboards, furniture & rest rooms

Public rest rooms – toilets, sinks, doorknobs, paper towel dispensers

Home – butcher blocks, toothbrushes, cat litter boxes, kitchen counters, bedrooms, sinks & toilets.

Hospitals, clinics and retirement homes.

How to use

Charge the Nano UV Wand™ with the provided charger for 10 hours prior to initial use.

1. Pull both safety locks towards the handle. Open cover to the full extension. The green LED will now be on.
2. Press the button ⏻ . The Nano UV Wand™ is now operational and is sanitizing.
3. Hold the Nano UV Wand™ between 1/4" and 2" from the surface you want to sanitize. Please note the progress on the progress bar, it will turn off automatically after 10 seconds.



4. For highly contaminated areas, hold the Nano UV Wand™ closer to the object (within 1/4") and repeat scanning 2 or 3 times.
5. For larger areas, place the Nano UV Wand™ between 1/4" & 2" and move the wand slowly over the area until the entire surface has been covered.
6. Close the cover, and the Nano UV Wand™ will turn off automatically.
7. By holding the power button ⏻ on the Nano UV Wand™, the wand will stay illuminated. Once you let go of the button it will remain on for 10 seconds and then turn off.
8. After scanning you might smell a strong after-rain ozone scent. This is normal and is a natural cleansing process generated by disinfection.
9. When the battery is low, the LED indicator will flash green. Please recharge the Nano UV Wand™ or use with the adapter.
10. When charging, the LED color will be yellow. After charging is complete, the LED will turn green. It is now ready for use again.

Please note: When not in use, the Nano UV Wand™ must be kept closed to avoid battery discharge.

Troubleshooting

- During initial start-up, you may find that the UV bulb is not fully lit. This is normal. By repeating the cycle it will warm up and be fully lit.
- After a prolonged storage the battery will lose charge. If that occurs, connect unit to the power adapter, press the power button until the lamp lights up. You can then resume normal operation.
- Operating the Nano UV Wand™ at temperatures below 68 ° F or 20° C, is not recommended and may not be fully functional. If this occurs, simply press the power button until the lamp lights up. You can then resume normal operation.
- Some particles may be found inside the UV tube. They are additives to help light up the Nano UV Wand™. This is normal and does not affect the UV disinfection light performance.
- If the Nano UV Wand™ is illuminated but the bulb brightness is low, it may be due to low battery, please charge again.

Battery Indicator

During low battery, the green LED indicator will flash. Please recharge the Nano UV Wand™.

If the battery power is low , the Nano UV Wand™+ may not be able to kill the bacteria in 10 seconds at 99.99% effectiveness.

Repeated scanning will also effectively kill bacteria up to 99.99%.



Nano-UV Disinfection Light
vs
Common UV Light

Type	Nano-UV Light	Common UV Light
Light Wavelength	Multi-Wavelength (185~365nm)	Single Wavelength (253.7nm)
Disinfection Power	99.99%	99.7%
Time of Disinfection	10 seconds	1 hour
Speed of Disinfection	Rapid	Slow
Application & Design	Small, Handy & User Friendly – All social occasions and living environments	Bulky & Heavy – Limited applications and environments

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Certificates & Tests

1. Intertek (ETL) Testing Laboratories – USA
2. Hong Kong Productivity Centre
3. Food Analysis Center Japan
4. CMA Testing & Certification Laboratories – Hong Kong
5. SGS (HK) Ltd
6. Chemistry Research Centre of National Cheng Kung University

Specifications

UV Wavelength:
Multi-wavelength including UV A, UV B & UV C.

Dimensions:
365mm (565mm when opened) x 41mm x 40 mm
Specifications Continued..

Weight: 288g (including batteries)

Power source:
Rechargeable Lithium battery 7.4V, 800mAH

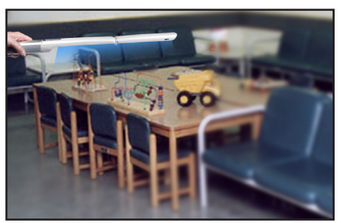
Power: 4.5W

Operation time:
After fully charged, it can be operated about 1 hour.

Charger:
Input - 120VAC/60Hz, 15W
Output – 9VDC, 1A

Operation temperature:
68° F - 122° F (20°C ~ 50°C)

Storage temperature:
50° F - 140° F (10°C ~ 60°C)



• Caution •

- **DANGER** – Ultraviolet light. UV light can be harmful to skin and eyes, it is important to use the Nano UV Wand™ properly.
- Improper operation of the Nano UV Wand™ may cause injury. Read and understand all warnings prior to operating the unit.
- Keep out of reach of children.
- Do not look directly into the UV light
- Do not use the Nano UV Wand™ on any part of your body
- Do not touch the lamp.
- Never disassemble the Nano UV Wand™. Removal or tampering with the electronic circuit board or lamp assembly may cause injury or damage the unit and the warranty will be voided.
- Nano UV Wand™ is a high voltage device. Do not open, expose, modify or touch internal circuitry; this can lead to high voltage shock.

• Caution •

- There are no user replaceable or repairable parts. Return to the Zadro Products Inc. for any repair.
- Do not allow anyone to use this product until they fully understand proper operating procedure and warnings.
- Mercury Hazard: Do not break the UV lamp.
- Like most fluorescent-type lamps, the UV lamp contains a small amount of mercury (less than 5mg, meeting RoHS requirement). In the event that you wish to dispose of your Nano UV Wand™, contact your local Department of Environmental Protection or other authority for disposal guidelines.
- Do not allow any impact to the UV lamp. If the lamp is cracked, chipped or damaged, do not operate. In case the UV lamp breaks, use a vacuum cleaner to clean it. Do not touch the mercury directly with bare hands especially for pregnant women.

• Caution •

- Do not use as a light source.
- For the best disinfection performance, always keep the UV lamp clean and avoid stains.
- In case the UV Lamp gets dirty, wipe it with a soft cloth VERY GENTLY.
- While carefully controlled microbiological testing of the Nano UV Wand™ has been conducted, use of Nano UV Wand™ in the field may produce results that vary from our laboratory test data.
- Do not use in any manner other than instructed in this User's Guide.
- Opportunities for infection are abundant and virtually everywhere, so it is important to realize that use of the Nano UV Wand™ does not guarantee that the user will avoid illness. To avoid microbial infection, one must take a wide range of precautions.

Maintenance

There are no consumer serviceable parts on the Nano UV Wand™. Any service attempts by unauthorized repair facilities will void all warranties. The Nano UV Wand™ must be returned to Zadro Products, Inc. for repair.

Warranty

90 day limited warranty against defects in material and workmanship at the time of it's original purchase by the consumer.

Warning

- Use the provided charger only.
- Do not attempt to disassemble or alter any part of the Nano UV Wand™. It may result in high-voltage electrical shock.
- Stop operating the Nano UV Wand™ if it emits smoke.

Warning Continued..

- Disconnect the charger from the Nano UV Wand™ after recharging and when it is not in use to avoid fires and other hazards.
- Do not place the Nano UV Wand™ near a heat source or expose it to direct flame or heat.
- Do not immerse it in water. Such exposure may damage the unit and lead to fire, electrical shock, explosion or serious injury.

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