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› RAYCOP LITE UV Sanitizing HEPA Allergen Vacuum Effectively Removes Dust Mite Matters, Bacteria, Viruses and Pollen

Raycop Lite-100A

RAYCOP LITE UV Sanitizing HEPA Allergen Vacuum

MODEL: LITE-100A

INTRODUCTION

The RAYCOP LITE UV Sanitizing HEPA Allergen Vacuum is designed to effectively remove microscopic allergens, bacteria, and viruses from various fabric surfaces in your home. Its advanced technology combines UV-C light sanitization, powerful suction, and pulsating pads to provide a thorough and hygienic cleaning experience. This manual provides essential information on setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.



Figure 1: Top view of the Raycop Lite UV Sanitizing HEPA Allergen Vacuum.

IMPORTANT SAFETY INFORMATION

Please read all safety warnings and instructions before using this product to prevent electric shock, fire, or serious injury.

- Do not look directly at the UV-C lamp when it is active. Prolonged exposure can cause eye and skin

damage.

- Keep the device away from children and pets during operation. The UV-C lamp automatically deactivates when lifted from a surface, but caution is advised.
- Unplug the vacuum from the power outlet before performing any maintenance, cleaning, or when not in use.
- Do not use the vacuum on wet surfaces or to pick up liquids. This product is for dry use only.
- Ensure the dust box and filters are properly installed before operation.
- Do not operate the vacuum if the power cord or plug is damaged. Contact customer support for assistance.
- Use only manufacturer-recommended replacement parts and accessories.

PRODUCT FEATURES

UV Sanitizer

The RAYCOP LITE features a powerful UV-C lamp that effectively eliminates over 99% of bacteria and viruses from fabric surfaces. This hospital-grade 253nm germicidal wave disrupts the DNA and RNA of microorganisms, rendering them harmless. The UV-C light activates only when the unit is placed flat on a surface, ensuring user safety.

UV+ Sanitizing Feature

Just a few seconds of exposure to ultraviolet light kills and inactivates viruses.



Figure 2: The UV+ Sanitizing Feature uses ultraviolet light to kill and inactivate viruses on surfaces.

Video 1: Raycop RayClean Technology Demo. This video demonstrates how the UV-C light effectively sanitizes surfaces by disrupting microorganisms.

HEPA Filtration

Equipped with a High-Efficiency Particulate Air (HEPA) filter, the RAYCOP LITE captures particles as small as 0.3 microns, including dust mites, pollen, and pet dander. This multi-stage filtration system ensures that allergens are trapped within the device, preventing them from being released back into the air.

RayClean Technology™

At the heart of RayClean Technology™ is the sanitizing power of Raycop's UV+ light. Scientifically speaking, UV+ light disrupts a virus's DNA and RNA, making it impossible for the cells to perform vital functions. From a practical perspective, it's a natural, chemical-free way to destroy viruses and bacteria in your home.

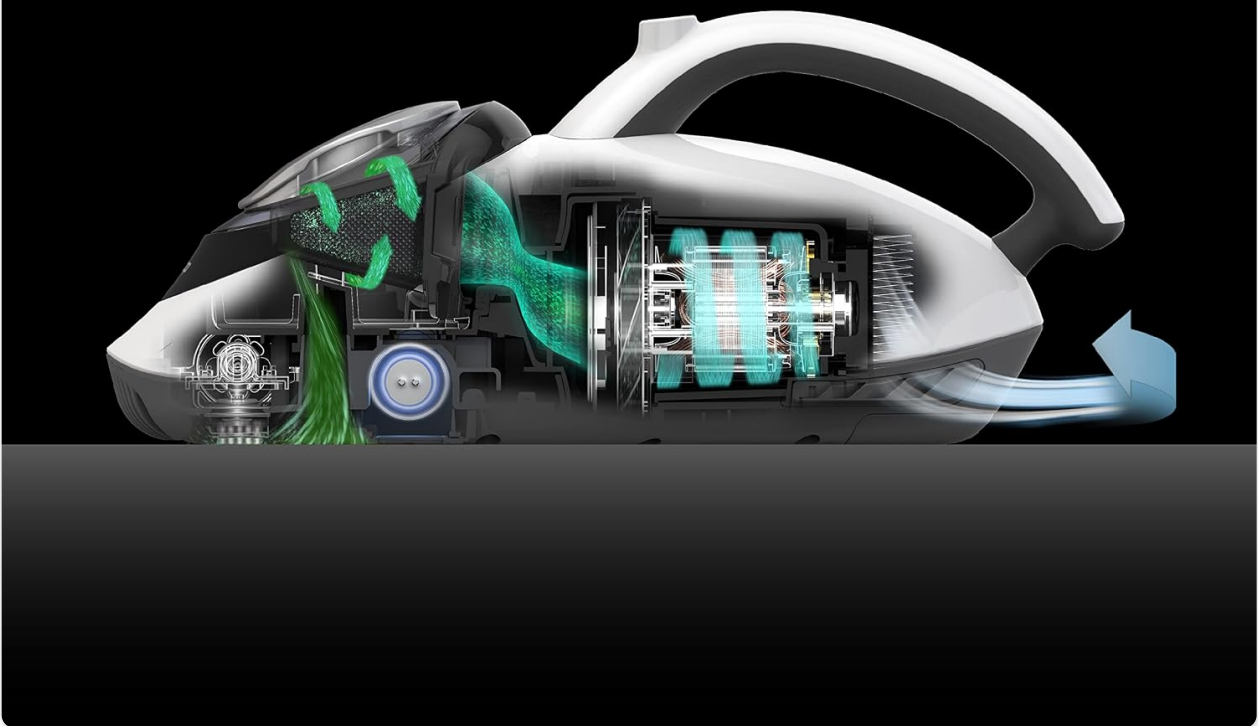


Figure 3: Internal diagram illustrating the RayClean Technology, showing the airflow and filtration path.

Pulsating Pads

The unique pulsating pads vibrate 3,300 times per minute. This rapid agitation helps to loosen and dislodge deeply embedded dust, dirt, and dust mite matter from fabric fibers, making it easier for the vacuum's powerful 330W suction to capture them. This ensures a deeper clean than traditional vacuuming alone.

Video 2: Raycop Pulsating Technology Demo. This short video demonstrates the vibrating action of the pulsating pads.

Additional Features

- **Allergen Lock:** Designed to securely contain collected allergens within the dust box.
- **Optimized Ergonomics:** Lightweight (4 pounds) and designed for comfortable handling during use.
- **IR Sensors:** Automatically turn off the UV light when the vacuum is lifted from a surface, ensuring safety.

SPECIAL FEATURES



Allergen Lock



Optimized Ergonomics



Super Light Weight



Rinse & Repeat

Figure 4: Collage showcasing key features including Allergen Lock, Optimized Ergonomics, Super Light Weight, and Rinse & Repeat for easy cleaning.

IR SENSORS

IR sensors automatically turn off the UV light when your vacuum is moved away from the surface. The UV light is automatically turned back on when your vacuum is placed back on the surface again.

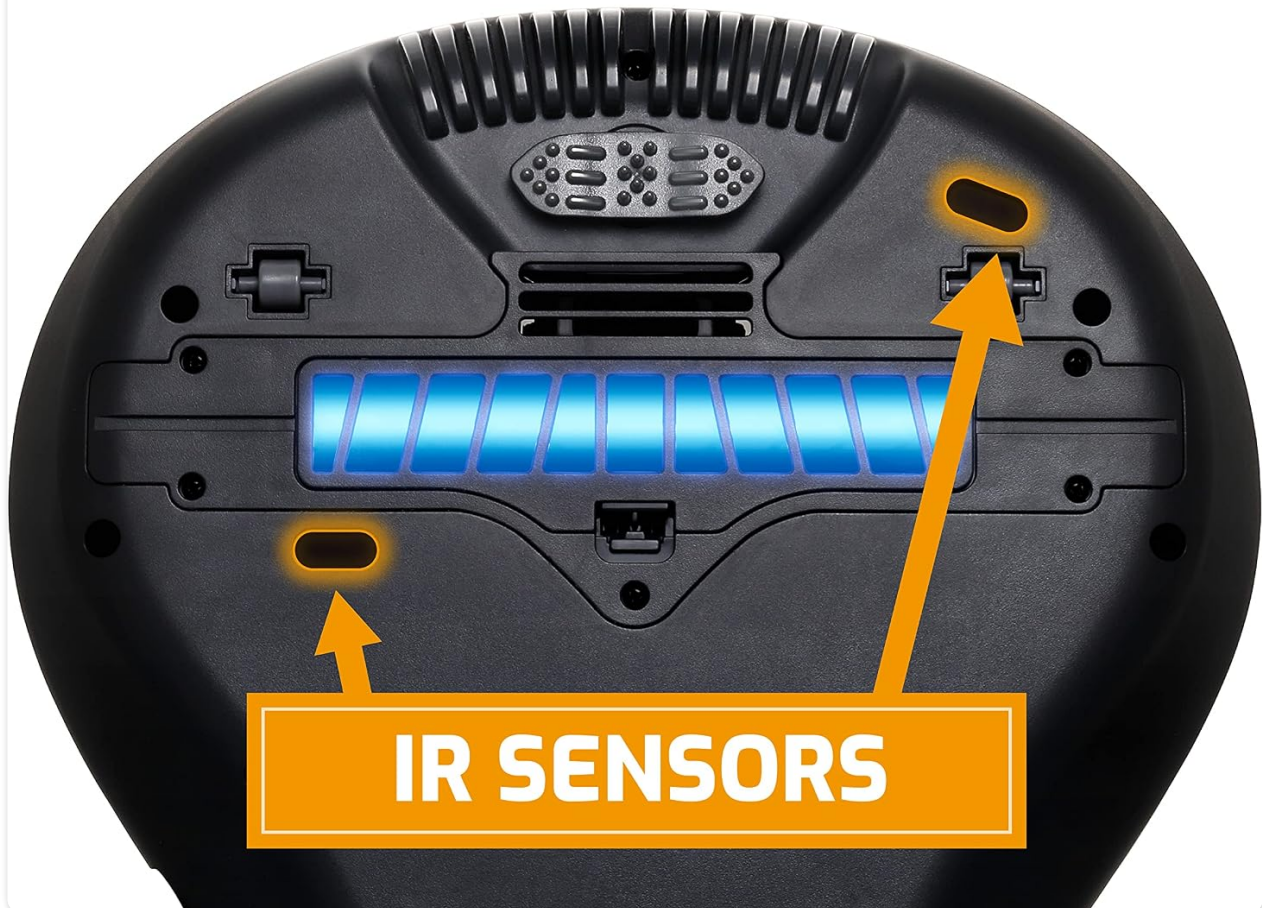


Figure 5: The bottom of the Raycop Lite showing the IR sensors that automatically control the UV light.

SETUP GUIDE

Unboxing

1. Carefully open the product packaging.
2. Remove the top foam insert.
3. Lift the RAYCOP LITE unit out of the box, keeping it in its protective plastic bag.
4. Remove all packaging materials and accessories.

Powering On

1. Unwrap the power cord (16.4 feet long) and plug it into a standard electrical outlet.
2. The power button on the handle will glow a steady red.
3. Press and hold the power button for approximately 3 seconds until it turns green.

4. Then, press the green button again. The power button will turn blue, indicating the vacuum is ready for operation.

Video 3: Unboxing and Operating Raycop LITE. This video guides you through the unboxing process and initial power-on steps.

OPERATING INSTRUCTIONS

The RAYCOP LITE is designed for optimal performance when used flat on surfaces. Do not lift the unit while vacuuming.

- Place the vacuum flat on the fabric surface you wish to clean (e.g., mattress, sofa, pillows).
- Gently glide the unit across the surface in slow, overlapping passes. The pulsating pads will agitate the fibers, and the UV-C lamp will sanitize the surface.
- Ensure the UV-C lamp is active (blue lights visible) to benefit from the sanitization feature. The IR sensors will automatically turn off the UV light if the unit is lifted or tilted.
- For best results, clean surfaces regularly, especially bedding, to reduce allergen buildup.

MAINTENANCE

Cleaning the Dust Box and Filter

Regular cleaning of the dust box and internal filter is crucial for maintaining optimal suction and performance.

1. Ensure the unit is unplugged from the power outlet.
2. Pull to remove the transparent dust box from the top of the unit.
3. Gently squeeze the inside filter to remove it from the dust box.
4. Empty the collected debris from the dust box.
5. Wash both the dust box and the internal filter under running water. Ensure all debris is removed.
6. Allow both components to air dry completely before reassembling. Do not use the unit with wet filters.

Replacing the HEPA Filter

The HEPA filter is located on the underside of the unit and should be replaced yearly for optimal performance.

1. Ensure the unit is unplugged from the power outlet.
2. Turn the unit upside down.
3. Locate the HEPA filter cover on the back of the unit. Carefully remove the cover.
4. Remove the old HEPA filter.
5. Insert a new HEPA filter, ensuring it is properly seated.
6. Close the cover, inserting the back of the cover first, then pressing firmly until it clicks into place.

Refer to Video 3 (Unboxing and Operating Raycop LITE) for visual guidance on dust box and HEPA filter maintenance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on.	Not plugged in correctly; Power button not pressed correctly.	Ensure power cord is securely plugged in. Press and hold power button for 3 seconds until green, then press again until blue.
Reduced suction power.	Dust box full; Filter clogged; HEPA filter needs replacement.	Empty and clean the dust box and internal filter. Replace the HEPA filter if it's old or heavily soiled.
UV-C lamp not lighting up.	Unit lifted from surface; IR sensors obstructed; Lamp malfunction.	Ensure unit is placed flat on the surface. Check for obstructions on IR sensors. If problem persists, contact customer support.
Unusual noise during operation.	Debris caught in brush; Motor issue.	Unplug unit and check the brush for tangled hair or debris. If noise continues, contact customer support.

SPECIFICATIONS

- Brand:** Raycop
- Model Name:** Raycop Lite
- Item Model Number:** Lite-100A
- Color:** White
- Product Dimensions:** 11"L x 14"W x 6"H
- Item Weight:** 4.29 pounds
- Wattage:** 330 watts
- Cable Length:** 16.4 Feet
- Noise Level:** 65 dB
- Filter Type:** HEPA Filter
- Special Features:** UVC Lamp (Hospital-grade 253nm germicidal wave), Powerful Suction, Pulsating Pads, IR Sensors
- Included Components:** Vacuum, HEPA Filter, Dust Box Filter
- Country of Origin:** Korea, Republic of

WARRANTY AND SUPPORT

Warranty Information

The RAYCOP LITE UV Sanitizing HEPA Allergen Vacuum comes with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Raycop North America Inc. customer support. Visit the official Raycop website for the most up-to-date contact information and support resources.

Website: [Raycop Official Store on Amazon](#)