RAYCOP RGO-300WH-C1

RAYCOP UV Handy Cleaner RGO-300 Instruction Manual

Model: RGO-300WH-C1

1. Introduction

Thank you for purchasing the RAYCOP UV Handy Cleaner RGO-300. This portable and powerful cleaner is designed to provide a clean and hygienic environment wherever you go. With its lightweight design, strong suction, and advanced UV-C sterilization technology, it effectively removes dust, allergens, and harmful microorganisms from various surfaces.
This manual provides essential information on the safe and effective use, maintenance, and troubleshooting of your new cleaner. Please read it thoroughly before first use and keep it for future reference.

2. Safety Information

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Do not expose the UV lamp directly to eyes or skin. UV-C light can cause harm.
- Keep the device away from water or other liquids. Do not use in wet conditions.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.
- Keep out of reach of children and pets.
- Use only the provided charging adapter.
- Ensure the dust box and filters are properly installed before operation.
- Do not vacuum flammable or combustible materials, sharp objects, or liquids.

3. Product Overview

3.1. Components

The RAYCOP UV Handy Cleaner RGO-300 is designed for portability and versatility, consisting of up to four main parts that can be easily assembled and reconfigured for different cleaning tasks.

- Main Body with Dust Box
- UV Head (with UV-C lamp)
- Handle Extension
- Crevice Tool / Brush Tool (attachments)
- Charging Adapter
- Portable Storage Case

3.2. Key Features

- **Portable and Lightweight:** Weighing approximately 0.89kg (max), it is easy to carry and use anywhere.
- **UV-C Sterilization:** Equipped with a 253.7nm UV-C lamp, it achieves 99.9% sterilization, virus removal, and dust mite removal.
- **Powerful Suction:** Features a durable, lightweight, and energy-efficient brushless DC motor for strong suction.
- **UV-Only Mode:** Allows for UV irradiation without suction, ideal for delicate fabrics or surfaces where suction is not needed.
- **Multi-stage Filtration:** Includes a dust box, metal filter, and HEPA filter to capture fine particles and ensure clean air discharge.
- **Washable Components:** Dust box and HEPA filter are washable for easy maintenance.

3.3. Product Diagram



Figure 1: RAYCOP UV Handy Cleaner RGO-300 and included accessories.



Figure 2: The cleaner's modular design, showing its main detachable parts.

4. Setup

4.1. Assembly

1. Unpack all components from the packaging.
2. Attach the UV Head to the Main Body by aligning the connectors and pushing until it clicks into place.
3. If desired, attach the Handle Extension to the rear of the Main Body for extended reach.
4. Select and attach the appropriate cleaning attachment (e.g., crevice tool) if needed for specific tasks.

4.2. Charging

Before first use, fully charge the cleaner. The cleaner operates cordlessly, providing approximately 28 minutes of operation in standard mode on a full charge.

1. Connect the charging adapter to the charging port on the cleaner.
2. Plug the adapter into a power outlet.
3. The charging indicator light will illuminate. Once fully charged, the light may change color or turn off, depending on the model.
4. Disconnect the charger once charging is complete.

5. Operating Instructions

5.1. Power On/Off

Press the power button located on the main body to turn the cleaner on. Press it again to turn it off.

5.2. Cleaning Modes

The RAYCOP UV Handy Cleaner RGO-300 offers different modes for optimal cleaning:

- **Standard Mode:** Provides both suction and UV-C sterilization. Ideal for general cleaning of various surfaces.
- **UV-Only Mode:** Activates only the UV-C lamp without suction. This mode is suitable for sterilizing delicate materials like clothing, curtains, or surfaces where suction is not required. To activate, ensure the UV connector is properly attached.



Figure 3: The UV-C lamp in operation, providing sterilization.

5.3. Usage Scenarios

The compact and versatile design allows for cleaning in various locations:

- **Bedding and Upholstery:** Effectively remove dust mites and allergens from mattresses, pillows, and sofas.
- **Car Interiors:** Clean car seats, floor mats, and tight spaces with ease.
- **Small Items and Furniture:** Use for quick clean-ups on desks, shelves, and other household items.
- **Delicate Fabrics:** Utilize the UV-Only mode for sterilizing clothing, curtains, and baby strollers without suction.



Figure 4: The cleaner being used in various settings, highlighting its versatility.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your cleaner.

6.1. Emptying the Dust Box

Empty the dust box after each use or when it reaches the MAX fill line.

1. Ensure the cleaner is turned off.
2. Press the release button to detach the dust box from the main body.
3. Open the dust box and empty its contents into a trash bin.
4. Reattach the dust box securely to the main body.



Figure 5: Emptying the dust box after use.

6.2. Cleaning Filters

The dust box, metal filter, and HEPA filter are all washable. Clean them regularly to maintain suction power and air quality.

1. Detach the dust box.
2. Remove the metal filter and HEPA filter from the dust box.
3. Rinse all three components under running water until clean. Do not use detergents or hot water.
4. Allow all parts to air dry completely for at least 24 hours before reassembling. Ensure they are completely dry to prevent mold or damage.
5. Reassemble the filters and dust box, then attach to the main body.



Figure 6: The washable filter system, including the dust box, metal filter, and HEPA filter.

6.3. UV Lamp Care

The UV lamp is designed for long-term use. If you notice a decrease in UV effectiveness or the lamp is damaged, contact customer support for replacement options. Do not attempt to replace the UV lamp yourself.

7. Troubleshooting

If you encounter issues with your RAYCOP UV Handy Cleaner, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Cleaner does not turn on.	Battery is depleted.	Charge the cleaner fully.

Problem	Possible Cause	Solution
No suction or weak suction.	Dust box is full.	Empty the dust box.
	Filters are clogged.	Clean or replace the filters. Ensure they are completely dry before reinserting.
	Nozzle or hose is blocked.	Check for and remove any obstructions.
UV lamp is not illuminating.	UV head not properly attached.	Ensure the UV head is securely attached to the main body.
	UV lamp malfunction.	Contact customer support.
Cleaner stops after a few seconds.	Battery issue or internal malfunction.	Ensure the unit is fully charged. If the problem persists, contact customer support.

If the problem persists after trying these solutions, please contact RAYCOP customer support for further assistance.

8. Specifications

Feature	Specification
Model Number	RGO-300WH-C1
Manufacturer	RAYCOP Japan
Color	White
Product Dimensions (Packaged)	24.5 x 19.3 x 19.3 cm
Product Weight (Max)	0.89 kg
Package Weight	1.52 kg
Power Source	Cordless (Rechargeable Battery)
Run Time (Standard Mode)	Approx. 28 minutes (on full charge)
Filter Type	HEPA Filter
Special Features	Cordless, Dedicated Storage Case, UV Light, HEPA Filter
Included Components	Portable storage box, Charging adapter, Instruction manual

9. Warranty and Support

RAYCOP products are manufactured under strict quality control. For warranty information, product registration, or technical support, please refer to the warranty card included with your product or visit the official RAYCOP website.
For inquiries, please contact RAYCOP customer service through the contact information provided in your product documentation.

© 2024 RAYCOP. All rights reserved.