ionvac

UltraCleanUV
sanitizing robo vac

USER MANUAL

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1. Introduction & Features

This intelligent vacuum travels through living spaces, bedrooms, kitchens, and more to deliver a cleaning experience that's hassle-free and stays out of your way. It can easily navigate from hardwood floors to rugs and carpet with rubber wheels that grip. The Ultra Clean UV also uses a gyroscopic sensor to measure and map the layout of your house then it creates the most effective path to clean without missing a spot. It's so good that it knows where it hasn't cleaned and where it has already cleaned! Looking under the hood of this smart vac, you'll see a complete cleaning system equipped with a potent, sanitizing UV-C light on the undercarriage, side brushes that pull dirt and debris into the suction area, a roller brush to capture even the smallest particles, and a powerful suction vent that draws dirt, dust, and debris into a large dustbin. Built-in multi-directional movement and sensors identify stairs and avoid collisions. Its slim frame quietly utilizes a super-efficient, 3-stage cleaning system thathas four modes and can be operated via remote or the Tzumi Smart Home APP, compatible with Alexa and Google Assistant. Program it to clean when you want, and when the job is done (or the battery is running low), the ionVac Ultra Clean UV returns to its dock for automatic charging, and it will tell you that itself as it has many voice prompts of its own, so you'll always know what it's "thinking."

Product Overview & Functions

- Large dust bin capacity: 600mL
- Climbing ability: Max 20mm
- UV lamp, UV-C High sterilization efficiency
- Wireless remote control/Tzumi Smart Home APP
- Powerful li-ion battery, operating times can reach up to 90 minutes depending on power settings
- Compatible with Amazon Alexa and Google Assistant
- 160mm wide roller brush
- Anti-falling/dropping/collision
- 16000rpm brushless motor
- 2200Pa Suction
- Noise level <65dB
- 3 level suction
- Multi-cleaning methods
- Automatic pressure/suction increase on thicker carpets

2. Important Safety Information

The Ultra Clean UV should not be used by children and persons with reduced physical, sensory, or mental capabilities. Children should not play with the Ultra Clean UV. Cleaning and user maintenance shall only be done by adults. The Ultra Clean UV must be used in accordance with the directions in this Instruction Manual. Tzumi Electronics cannot be held liable or responsible for any damages or injuries caused by improper use. To reduce the risk of injury or damage, keep these safety precautions in mind when setting up, using and maintaining your Ultra Clean UV:

- Read all safety and operating instructions before operating your Ultra Clean UV.
- Retain the safety and operating instructions for future reference.
- Heed all warnings on your Ultra Clean UV, battery, Charging Dock and in the owner's manual.
- Follow all operating and use instructions

The symbol on the product or its packaging indicates:
Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local authority for information regarding the collection systems available.

2.1 User Cautions

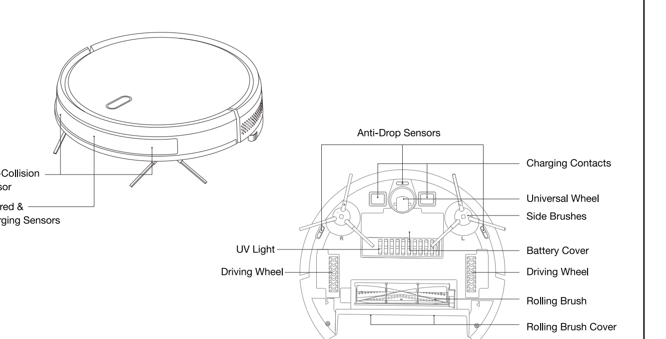
- The Ultra Clean UV is for indoor use only. Do not use the Ultra Clean UV outdoor, commercial or industrial environments.
- Before using the Ultra Clean UV, pick up objects like clothing, loose papers, pull cords for blinds or curtains, power cords and any fragile objects.
- The Ultra Clean UV is not a toy. Do not sit or stand on the Ultra Clean UV. Small children and pets should be supervised when the Ultra Clean UV is operating.
- Store and operate the Ultra Clean UV in room temperature environments only.
- Do not use the Ultra Clean UV to pick up anything that is burning or smoking.
- Do not use the Ultra Clean UV to pick up spills, bleach, paint, chemicals or anything wet.
- If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.
- Do not place anything on top of the Ultra Clean UV.
- Be aware that the Ultra Clean UV moves on its own. Be careful when walking in the area that the Ultra Clean UV is operating in to avoid stepping on it.
- Do not operate the Ultra Clean UV in areas with exposed electrical outlets in the floor.
- Avoid direct skin or eye exposure to the UV light.

2.2 Battery Care and Charging

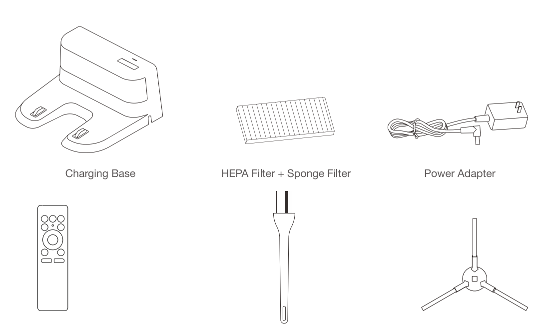
- Charge using a standard outlet only. This product may not be used with any type of power converter. The use of power converter will immediately void the warranty.
- Do not use a Charging Dock with a damaged cord or plug. If the cord or plug is damaged, it must be serviced by the manufacturer or a qualified service provider.
- Charge indoors only.
- The Charging Dock may be protected with a surge protector in the event of severe electrical storms.
- Never handle or touch the Charging Dock or cables with wet hands.
- Always remove the Ultra Clean UV from the Charging Dock before cleaning or maintain it.
- The Ultra Clean UV contains Li-Ion rechargeable batteries, be sure to never open, pierce or damage the batteries.
- Do not wet the battery compartment.
- If the batteries are leaking, stop the Ultra Clean UV use immediately and contact customer service.

3. Products & Contents

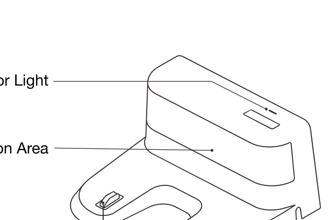
3.1 Ultra Clean UV Diagram



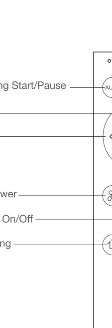
3.2 Accessories



3.3 Charging Dock



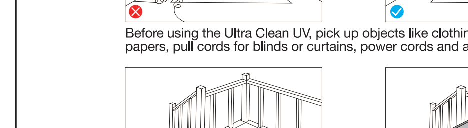
3.4 Remote Control



4. Operating Instructions

4.1 Notes Before Cleaning

Before using the Ultra Clean UV, pick up objects like clothing, loose papers, pull cords for blinds or curtains, power cords and any fragile objects.

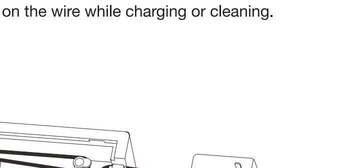


If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.

4.2 Using the Ultra Clean UV

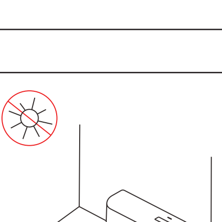
1. Plug in the Charging Dock and place the remaining wire inside the bottom of the Charging Dock.

Note: Failure to place the remaining wire inside the Charging Dock, may cause the Ultra Clean UV to pull on the wire while charging or cleaning.

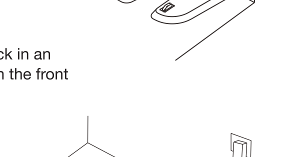


4.2 Using the Ultra Clean UV (Cont.)

2. Place the Charging Dock indoors, on a hard leveled surface and against a wall.

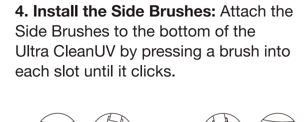


3. Charging Dock Position: Place the Charging Dock in an open and uncluttered area, leaving at least 6 feet in the front of the Charging Dock and 3 feet on each side.

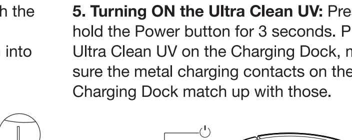


4.2 Using the Ultra Clean UV (Cont.)

4. Install the Side Brushes: Attach the Side Brushes to the bottom of the Ultra CleanUV by pressing a brush into each slot until it clicks.



5. Turning ON the Ultra Clean UV: Press and hold the Power button for 3 seconds. Place the Ultra Clean UV on the Charging Dock, making sure the metal charging contacts on the Charging Dock match up with those.



Power OFF

- Press and hold the Power button for 5 seconds – the Ultra Clean UV will turn OFF.

Using the UV light

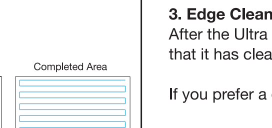
You can control the UV light via the remote or the app. Also, it may be prudent to go over an area twice for the overall best UV sanitation.

- Press the UV light button on the remote to turn the UV light ON/OFF, the Ultra Clean UV will let you know the UV light is on and the lights on top will flash.

4.3 Cleaning Modes

1. Auto Cleaning

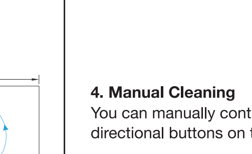
- The Ultra Clean UV will work in a smart zig-zag systematic cleaning path for seamlessly and thoroughly clean.
- At various times throughout the cleaning cycle, the Ultra Clean UV will touch up around the edges of the room, as well as chair legs and other furniture to help with the navigation.
- The Ultra Clean UV will continue this process until it cleaned the entire area. If the battery gets low before finishing the cleaning cycle, the Ultra Clean UV will return to the Charging Dock to recharge.



2. Spot Cleaning

When selecting spot cleaning, the Ultra Clean UV will emphasize on an area of approximately 5ft. for maximum cleaning.

- Put the Ultra Clean UV on a localized area that you wish to clean and press the spot cleaning button on the remote or the App.
- The Ultra Clean UV will work its way in a spiral mode of about 5ft. in diameter and will then spiral back to the original spot.
- The Ultra Clean UV will boost the suction power to the maximum power for this mode.

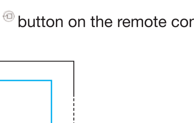


4.3 Cleaning Modes (Cont.)

3. Edge Cleaning

After the Ultra Clean UV finishes cleaning the open areas, it uses Edge Clean to ensure that it has cleaned along the walls and around furniture legs.

If you prefer a quicker Edge Cleaning, press the button on the remote control.



4. Manual Cleaning

You can manually control the Ultra Clean UV to clean a particular area by using the directional buttons on the remote control or the Tzumi Smart Home App.

4.4 Controlling the Ultra Clean UV with the Tzumi Smart Home App

Scan the code to download the latest version of "Tzumi Smart Home" or search "Tzumi Smart Home" in the App store.

Download on the App Store | Download on the Google Play

4.4 Controlling the Ultra Clean UV with the Tzumi Smart Home App (Cont.)

Use the App to control the Ultra Clean UV:
To enjoy all the Ultra Clean UV features, it is recommended to control your Ultra Clean UV cleaner via the App.

Before you start, make sure that:
- Your smartphone or tablet is connected to a Wi-Fi Network.
- Your smartphone or tablet is running iOS 8.0 (or above) or Android 4.4 (or above).
- The 2.4GHz band wireless signal is enabled on your wireless router.
- The Ultra Clean UV is attached to the Charging Base to ensure it has enough power for setup.

1. Setting Up the Tzumi Smart Home App
- Download the Tzumi Smart Home from the App Store (iOS devices) or Google Play (Android devices).
- Open the App and create a user account.
- Tap the "+" icon in the top right corner to add the Ultra Clean UV to your account.

2. How to Connect the Ultra Clean UV:
- Press Power and Home buttons for 3 seconds, you will hear a double tone, the Ultra Clean UV will reset, wait for the vacuum to finish resetting and for the light to quickly flash blue. Now you can follow the instructions in the Tzumi Smart Home App to set up the Ultra Clean UV on the App.

4.4 Controlling the Ultra Clean UV with the Tzumi Smart Home App (Cont.)

Follow the instructions in the app to set up the Wi-Fi connection.
- After connecting successfully, you can control the Ultra Clean UV via the App.
- In the App, you can select a cleaning mode, set the time, schedule a cleaning, view the system status, receive not fixations, and access additional features.
- You can also control the Ultra Clean UV with your voice via Amazon Alexa or Google Assistant.

4.5 Using the Ultra Clean UV with Amazon Alexa or Google Assistant

You can control the Ultra Clean UV with your voice with the Google Assistant or Amazon Alexa smart voice control devices. Amazon Alexa and Google Assistant can only be used in English at this time.

Requirements:
- Make sure the Ultra Clean UV it's on the Charging Dock to ensure there is enough power
- The Ultra Clean UV is active in the Tzumi Smart Home App
- The Google Home app or Amazon Alexa is installed on your smart device and you have an active account
- A device with the Google assistant (i.e. Google Home, Google Home Mini) or an Alexa enabled device(i.e. Amazon Echo, Echo Dot, Echo Show)

Control the Ultra Clean UV with the Google Assistant
- Open the Google Home app
- Say "OK Google, talk to Tzumi Smart" the Google Assistant will initiate the Google Action for the Ultra Clean UV
- Follow the instructions on the Google Home app to link the Tzumi Smart Action
- You are now ready to control the Ultra Clean UV with simple voice commands

Try these:
- "OK Google, set Smart Vac to auto mode" – the Ultra Clean UV will start an automatic cleaning cycle
- "OK Google, set Smart Vac to edge mode" – the Ultra Clean UV will start an edge cleaning cycle

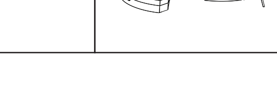
5. Ultra Clean UV Care

To keep the Ultra Clean UV running well, perform the following care procedures. If you notice the Ultra Clean UV picks up less debris from the floor, then empty the dust bin, clean the filter, and the main brush.

Ultra Clean UV Part	Care Frequency	Replacement Frequency
Sponge Filter and HEPA Filter	Once a week (twice a week in homes with pets)	Every two months
Main Brush	Once a four months (once every three months in homes with pets)	Every 6-12 months
Dust Bin	After each use	
Driving Wheels Side Brush Anti-Drop Sensors Charging Contacts Anti-Collision Sensors	Once a month	

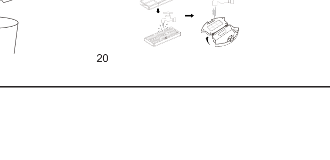
5.1 Emptying the Ultra Clean UV Dust Bin

1. Press dust bin release button to remove it.
2. Open dust bin door to empty it.



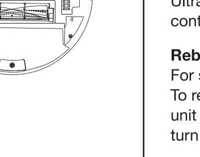
5.2 Cleaning the Ultra Clean UV Filter

1. Remove filter by grasping the white tab.
2. Shake off debris by tapping the filter against your trash container.
3. Rinse filters with water.
4. Air dry filters completely before use.



5.3 Cleaning the Ultra Clean UV Side Brush

1. Remove brush.
2. Clean the brush and brush stand then reinstall the brush.



5.4 Cleaning the Ultra Clean UV Anti-Drop Sensors and Charging Contacts

1. Wipe the Ultra Clean UV's Anti-Drop sensors with a clean, dry cloth.

5.5 Cleaning the Ultra Clean UV Floor Anti-Collision Sensor

1. Use a clean dry microfiber or soft cotton cloth to wipe any debris that has accumulated in the round sensor opening on the right side of the bottom surface. Do not spray cleaning solution directly into the sensor opening.

5.6 Cleaning the Ultra Clean UV Main Brush

1. Pull on the release tabs to unlock the brush guard.
2. Lift the main brush to remove.
3. Clean the main brush with the provided cleaning tool or a vacuum cleaner.
4. Reinstall the main brush by inserting the fixed protruding end first and then clicking into place.
5. Press down to snap the main brush cover into place.

6. Troubleshooting

The Ultra Clean UV will let you know if something is wrong with a distress sound followed by a message. The indicator will also blink or show solid red. Please refer to the following chart below to troubleshoot and resolve the Ultra Clean UV problem. If the problem is not resolved, please contact our customer service department for further assistance.

Rebooting Instructions

For some errors, rebooting the Ultra Clean UV may resolve the problem.
To reboot the Ultra Clean UV, press the Power button for 5 seconds to turn the unit OFF, wait 10 seconds and then press the Power button for 5 seconds to turn the Ultra Clean UV back ON.

6.1 Troubleshooting Table

Problem	Solution
The Ultra Clean UV will not start	• In case of a low battery, place the Ultra Clean UV on the charging base and align it to the electrode plate, the machine will restart automatically (if the Ultra Clean UV is completely powered off, it can be started automatically after it is charged for a while) • If the inside/outside temperature is lower than 0°C or higher than 50°C, there may be functionality issues. The Ultra Clean UV is designed to work best in temperatures between 0-40°C.
The Ultra Clean UV cannot be charged	• Move the Ultra Clean UV away from the base, check whether the indicator light of the charging base lights up and confirm both ends of the power adapter of the base are snugly connected. • If there is/are poor contacts, please clear the charging base of any debris. Also, be sure the charging contact on the Ultra Clean UV is clear and/or make sure the side brushes aren't blocking anything.
The Ultra Clean UV cannot be recharged	The Ultra Clean UV is too far away from the charging base, please put the Ultra Clean UV near the charging base and try again
The Ultra Clean UV is acting strangely	Shut down the Ultra Clean UV and restart it
The Ultra Clean UV is making strange noises	Main brush, side brush, or wheel(s) may be caught up by foreign matter, please shut down the Ultra Clean UV and remove any foreign matter
The Ultra Clean UV is not cleaning properly or dust is falling out of it	• The dust box is full, please clean it out • The filter screen is blocked, please clear or replace it • The main brush is being obstructed by something or other, please remove whatever that is
Wi-Fi cannot connect	• Wi-Fi signal is bad/weak, please ensure area is covered by a Wi-Fi signal • Wi-Fi is connected abnormally, please reset Wi-Fi, download the latest App and try to reconnect it • Password was input incorrectly • The router is operating on 5G frequency band, the cleaning Ultra Clean UV only works on 2.4G frequency band
Fixed-time/scheduled cleaning fails	Fixed-time/scheduled cleaning can only be started when the battery level is at least 30%
Does the Ultra Clean UV consume power if it is placed on the charging base while full or nearly full?	The Ultra Clean UV consumes a little power if it is always placed on the charging base. This enables the best performance of battery over time.

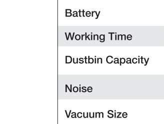
6.2 Voice Prompt Error Messages

Voice Prompt Says:	Solution:
I cannot find the dust collector	The dustbin is removed or not correctly inserted, insert the dustbin and make sure is correctly inserted.
Please place me in a new location and try again	Pick the Ultra Clean UV up and put down somewhere else.
Please clean the cliff/fall sensor, and restart me from a new location	The cliff/fall sensor is covered by something (or is being held at a height) – clean it or stop holding the Ultra Clean UV up.
Please clean the front sensor, and restart me from a new location	The infrared avoidance sensor is dirty or covered clean it off.
Please clean the right-hand sensor, and restart me from a new location	The wall sensor is dirty or covered – clean it.
Please check if the bumper has been blocked in some way	The edge or collision sensor is stuck on something – remove whatever is obstructing it.
I'm stuck, please help me!	The Ultra Clean UV is stuck on something…help it… or it may revolt!
Please place me correctly!	The Ultra Clean UV is tilted and/or askew in some way – straighten it out.
Please check if my wheels are blocked	The driving wheel is stuck or caught on something remove it.
Please check if the main brush is stuck	The main brush is caught up or stuck remove whatever is causing that.
Please check if the side brushes are stuck	The side brush is caught up or stuck remove whatever is causing that.
What's going on? Where is the docking station?	The Ultra Clean UV cannot find the charging base or it is not plugged in.
Oh dear! Program error, please restart me	The Ultra Clean UV is having an issue with something unknown – restart/reboot it.
Error encountered initiating shutdown	The Ultra Clean UV tells the user it is having an issue then shuts down automatically.
Low battery, please recharge	If a cleaning is requested when the battery level is too low and the Ultra Clean UV is not on the charging base it will not clean. Let it charge for a while.

* Please note: Due to upgrades and changes to the Ultra Clean UV, some of the prompts may change or be different

7. Specifications

Vacuum Specs



UV Lamp Size	U120mm*Ø8~10mm
UV Lamp Power	5W
UV Lamp Average Life	8000h
Power Input	19V/0.6A
Working Power	30W
Battery	Li-ion 2600mAh 14.4V
Working Time	80-120min
Dustbin Capacity	600mL
Noise	<65dB
Vacuum Size	13.78" x 13.78" x 3.15" (350 x 350 x 80mm)
Suction Power	2200Pa

Dock Specs

Input	19V ⎓ 0.6A
Output	19V ⎓ 0.6A

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

FCC Statement (Cont.)

Consult the dealer or an experienced radio/TV technician for help.

IC warning
This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
Radiation Exposure Statement
This equipment complies with FCC/IC radiationexposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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