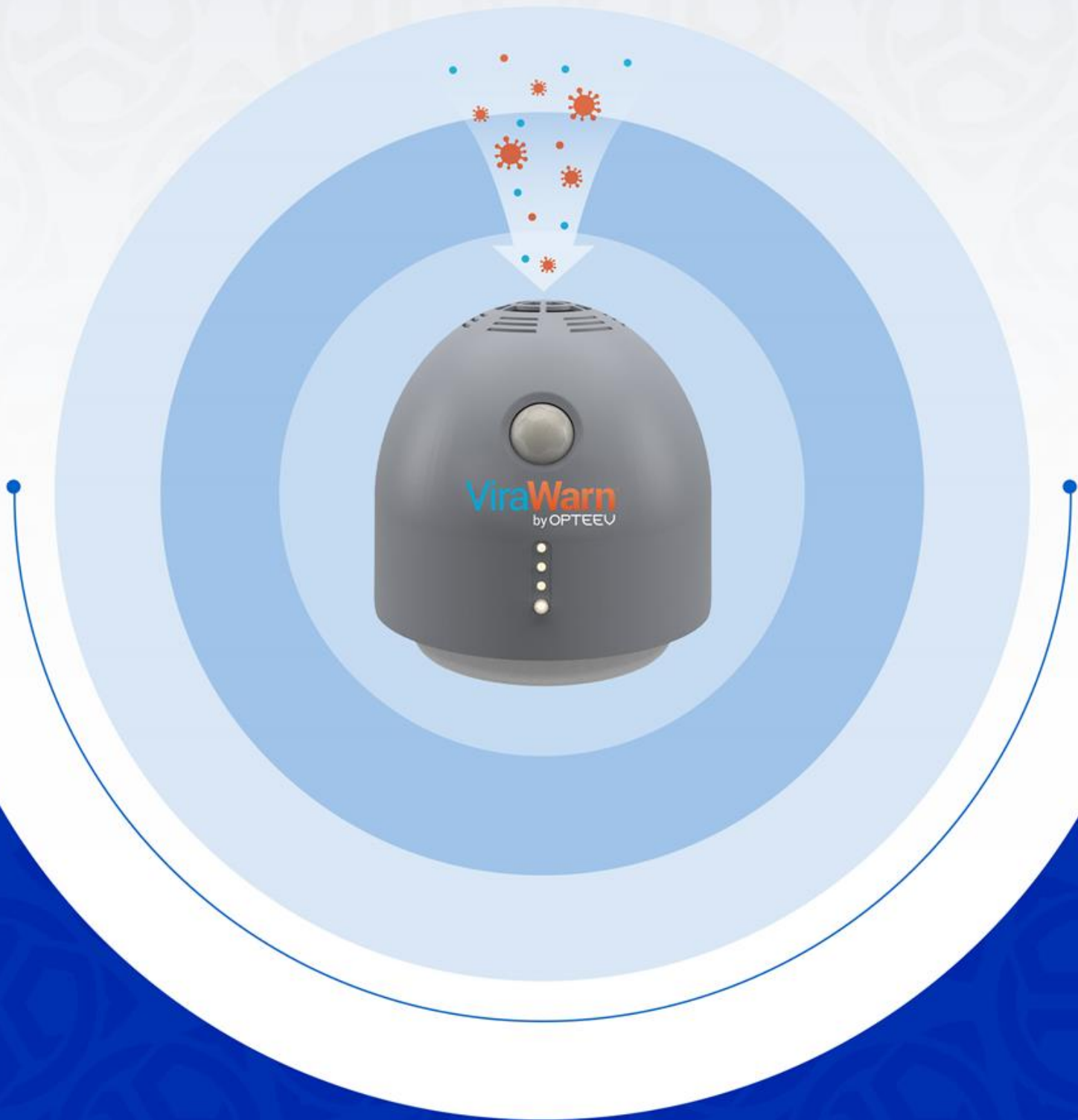


ViraWarn™
by OPTEEU™



ViraWarn: Model ViraWarn Plus



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Overview

Congratulations on your purchase of a **ViraWarn Plus 100** viral detection system. We thank you, and we are here to support your effective use of the product. This document covers the ViraWarn Plus 100 unit.

Please use this document to properly operate your ViraWarn Plus 100 unit. For new ViraWarn customers, we suggest you read through the entire document before starting. If you have experienced the product, and only need specific instructions, please use the table of contents to navigate to the information you need.

For any further assistance you can reach out to Opteev support team at +1-443-457-1370 or you can send your queries at support@opteev.com.

Let’s get started!

Safety Precautions

The following points should be followed:

1. ViraWarn Plus 100 must only be used for the purposes described in this manual.
2. ViraWarn Plus 100 is intended for indoor use only.
3. ViraWarn Plus 100 should not be used or stored in direct or reflected sunlight.
4. ViraWarn Plus 100 should be operated and stored at temperatures between 50°F - 90°F (10°C - 32°C).
5. Store your ViraWarn Plus 100 unit in a clean and dry area.
6. Do not submerge ViraWarn Plus 100 in water.
7. Do not drop your ViraWarn Plus 100 unit.
8. Follow the instructions given in the manual to replace the refill bottles.
9. Do not disassemble ViraWarn Plus 100 unit.
10. Do not tilt ViraWarn Plus 100 unit after adding media in the detector chamber.
11. If you experience problems with your ViraWarn Plus 100 unit, contact Opteev support.

! IMPORTANT: The manufacturer reserves the right to alter the specifications of this product without prior notice

Unpacking the Box

Your ViraWarn box should include:

- ViraWarn Plus 100 unit (**Figure 1**)
- One power cable
- One refillable detector chamber (**Figure 2**)
- Six refill bottles (**Figure 3**)
- ViraWarn Plus 100 Quick-Start Guide



Figure 1
ViraWarn: Model Plus 100



Figure 2
Sealed Detector Chamber

Figure 3
Refill bottles

ViraWarn Unit

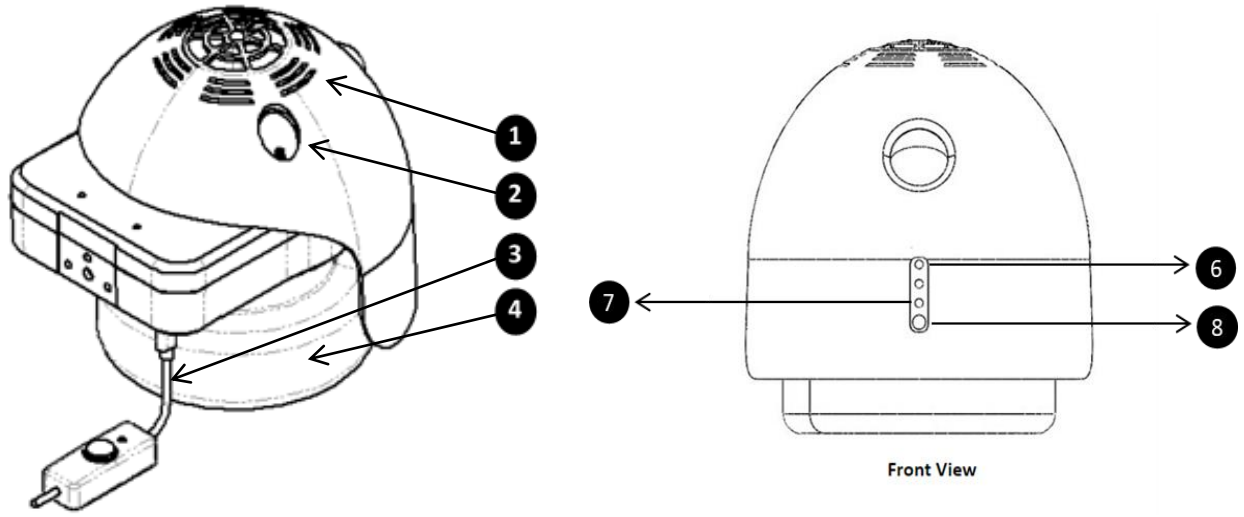


Figure 4

- 1 Air Suction
- 2 Refill Port
- 3 Power Cord
- 4 Detector Chamber
- 5 Motion Detector
- 6 Power Indicator
- 7 Media Level Indicator
- 8 Virus Indicator

Assembling the Unit

1. Remove the ViraWarn unit and a detector chamber from the box.
2. Attach the detector chamber to the ViraWarn Plus 100 unit by rotating it in a clockwise direction as shown in **Figure 5**.
3. Place the assembled unit on a sturdy platform, preferably on a table or a desk.

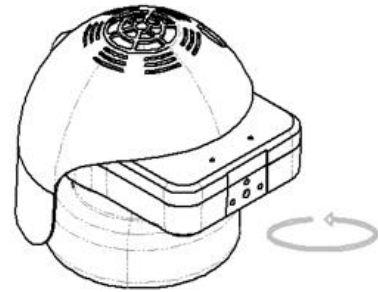


Figure 5

Adding the Media

1. Remove two refill bottles from the ViraWarn box (**Figure 6**).
2. Rotate the cap to open the tube of one bottle/tube (**Figure 7**). (**DO NOT** throw away the cap).
3. Invert and insert the bottle through the refill port and hold it a little bit up as shown in **Figure 8**. Ensure the seal has been broken when inserted into the refill port. Before removing it, make sure the tube is empty.
4. Empty the second bottle in the same manner.
5. Discard the empty refill bottle.
6. **IMPORTANT:** To achieve proper functioning, fill or refill the ViraWarn Plus 100 unit using two (2) refill tubes

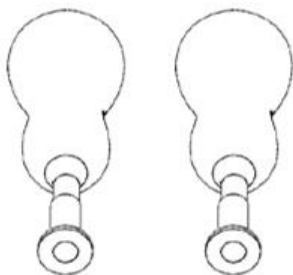


Figure 6

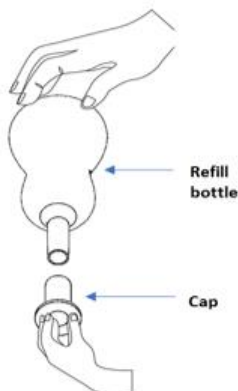


Figure 7

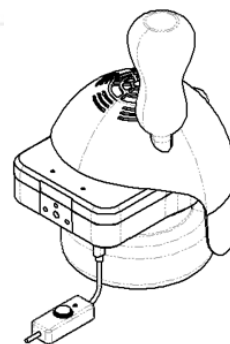


Figure 8

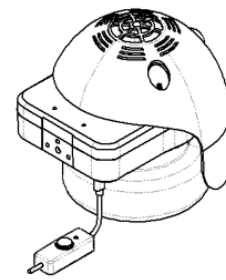


Figure 9

Installation Location and Procedure



WARNING: After adding the media, do not tilt the ViraWarn Plus 100 unit.

Maximum capacity of the detector chamber is with two refill bottles. Please do not overfill the detector chamber.

Your ViraWarn Plus 100 unit comes with a power cord.

After adding the media, you can power up the ViraWarn unit by plugging the power cord into wall outlet as shown in **Figure 10**. Note, the micro-USB portion of the power cord plugs in the bottom side of the ViraWarn Plus 100 unit.

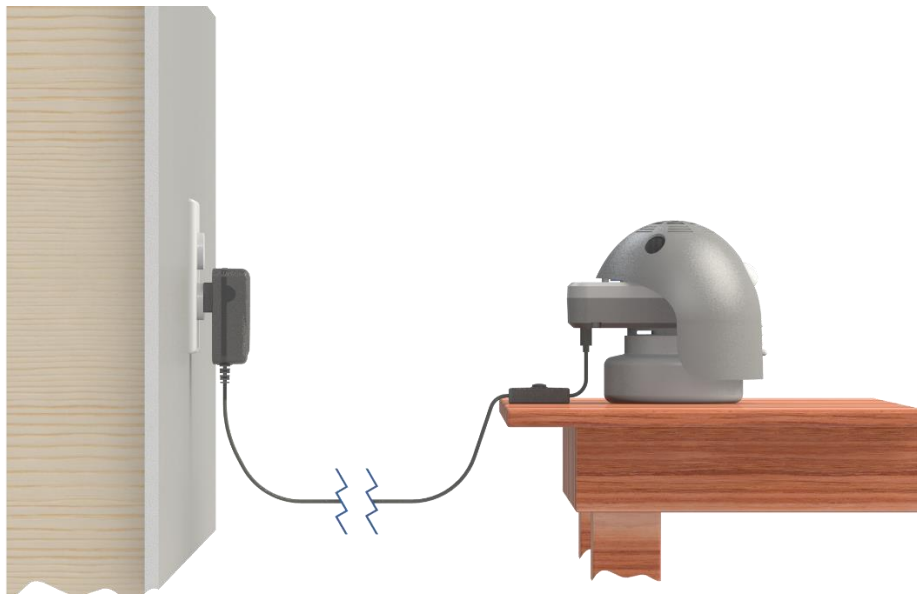


Figure 10

Device Operation:

Place ViraWarn Plus 100 unit on a steady flat surface and power it up by plugging the power cord into a wall outlet.



Figure 11

The lights (LEDs) in the front indicate the states of various functionalities (Table 1) of ViraWarn.

INDICATION	COLOR
Power Input	WHITE
Media Level	WHITE (steady/blink)
Virus Detection	GREEN/RED (steady/blink)

Table-1

ViraWarn uses different indications during initialization & normal operating condition.

Initialization:

Once the ViraWarn Plus 100 unit is powered on, it enters the initialization state.

1. There will be a one-time buzzer sound to indicate the initialization process.
2. The fan will run for ten (10) minutes in its default configuration, if the container is not empty else it will run for five (5) seconds if the container is empty.
3. The power light will have a steady white glow indicating power input to your ViraWarn unit.
4. The media level indicator indicates the level of liquid media present in the detector chamber. This light will be activated once the device exits the initialization phase.
5. The virus detection light is for viral load status in the closed room. During initialization this will blink in green.

Normal Operating Condition:

After initialization, the ViraWarn Plus 100 unit will enter its normal operating condition.

1. **IMPORTANT NOTE!** The fan will be automatically **turned off after 10 minutes** on the device.
2. The power light will have steady white glow if the unit has power; this **does not mean** the unit is running and actively monitoring.
3. To reactivate your unit, cycle the power using the on/off switch on the power cord and a new 10-minute monitoring cycle will begin.
4. The media level indicator light has two states:
 - a. **Steady white:** Liquid media is in acceptable level.
 - b. **Blinking white:** Liquid media is below acceptable level or detector chamber is empty. Your ViraWarn Plus 100 unit will automatically turn off its functionality. In this case the detector chamber needs to be refilled by following the steps as mentioned in 'Adding the Media'.
5. The virus detection light has four states indicating safe or a contaminated environment. **Table-2** explains the various states and actions to be taken by users if they encounter these cases:



Figure 12



Figure 13

Glow	Indication	Action to be taken
Steady Green	Safe airspace	No action is required
Blinking Red (Slow)	Possible contamination Level-1	User should be alert
Blinking Red (Fast)	Possible contamination Level-2	User should be alert
Steady Red	Virus Detection- contamination of airborne viruses in the airspace	Evacuate the room, switch off the device for 30 minutes.

Table-2

6. At the time of virus detection (indicated by Red light) the buzzer will be on and will be continued for two minutes if the state of detection remains same.