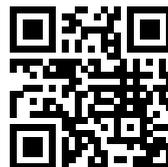
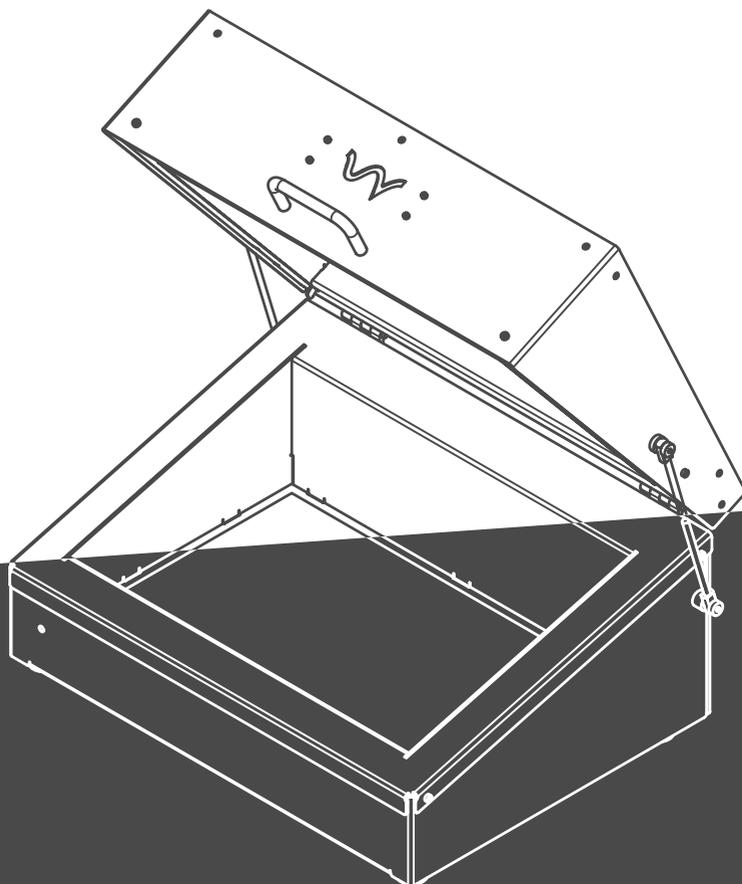




UVsmart



For more training and information,
scan the QR-code.



EMERGENCY CONTROL DEVICE (ECD) Instructions for Use

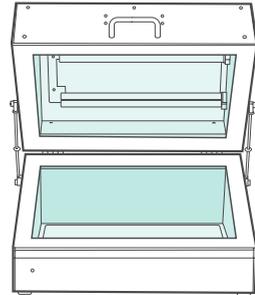
EN English

Use of the ECD: Quickstart Guide for disinfection of masks

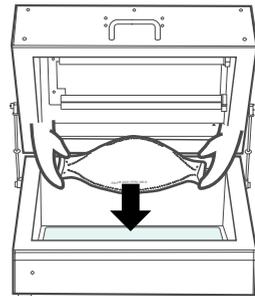
- 1 Read these Instructions for Use.



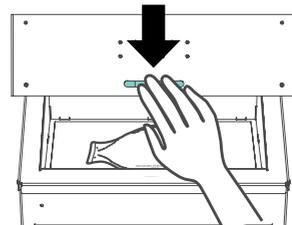
- 2 Check for visible debris in the disinfection chambers. If necessary, clean with an antiseptic wipe according to hospital protocol.



- 3 Insert your mask(s) inside the ECD. If your mask has overlapping materials, fold it open so the ECD light can reach all its surfaces. **Multiple masks should not overlap.**



- 4 Keep your hands clear from the inside of the ECD. Using the handle, close the ECD all the way until it is closed.



5

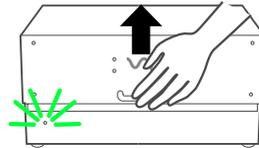
a. Check through the window if the lights are on. If they are not, contact UV Smart.



b. Wait **25 seconds** until the control-LED lights up green. Then wait for **10 seconds**. After that, the device will automatically continue (for **25 seconds**) to finish the disinfection cycle.



c. After a total of 60 seconds the control-LED lights up green again. Open the ECD manually using the handle.



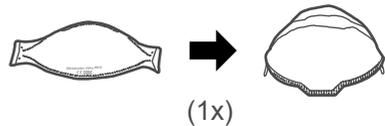
6

Disinfect your hands.



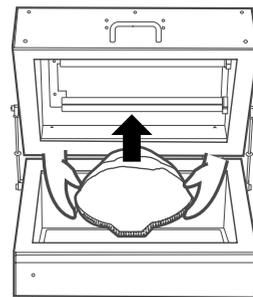
7

Take-out the mask(s) from the ECD, flip it/them inside-out and place it/them back inside the ECD. **Repeat** steps 4,5,6 and then proceed to step 8.



8

After two cycles, your mask(s) has/have been successfully disinfected and is/are safe to use. With disinfected hands, take out your mask(s).

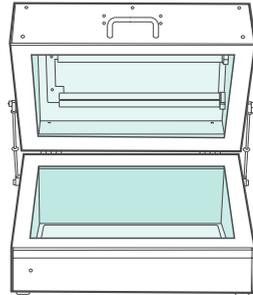


Use of the ECD: Quickstart Guide for disinfection of equipment

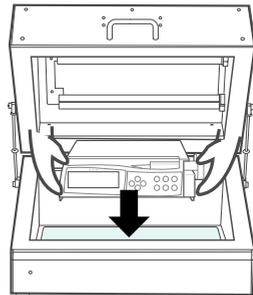
1 Read these Instructions for Use.



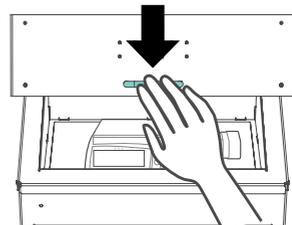
2 Check for visible debris in the disinfection chambers. If necessary, clean with an antiseptic wipe according to hospital protocol.



3 Insert your equipment inside the ECD. **Multiple equipment should not overlap.**



4 Keep your hands clear from the inside of the ECD. Using the handle, close the ECD all the way until it is closed.

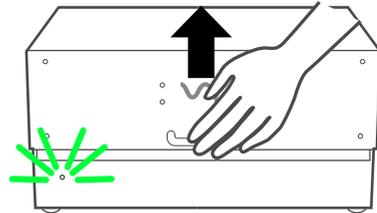


5

1. Check through the window if the lights are on. If they are not, contact UV Smart.

2. Wait **25 seconds** for the ECD to complete the disinfection run.

3. When the LED turns green after 25 seconds, open the ECD all the way using the handle.



6

Disinfect your hands.



7

Your equipment has been successfully disinfected and is safe to use. With disinfected hands, take out your equipment.

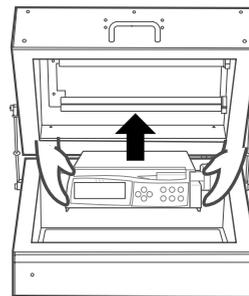


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Warnings and precautions

Warnings

-  Upon delivery, check if all items are present, without debris and undamaged. Do not use a damaged ECD. If you think the ECD is damaged, dirty or items are missing, please contact UV Smart or your local distributor.
-  Transportation with or affixing to a trolley is at the customer's own risk.
-  Do not use the ECD in an oxygen enriched environment or in the vicinity of combustible gases (e.g. anesthetics).
-  The ECD must only be connected to a mains power supply with protective earth, to avoid the risk of electric shock.
-  Protect the ECD and the power supply against liquids and moisture.
-  Do not insert equipment with working channels.
-  Do not insert invasive equipment.
-  Do not insert items made of organic materials.
-  Do not insert sharp objects.
-  Do not insert humans or animals.
-  Do not insert flammable substances in the ECD to prevent damage and risk of fire/explosion.
-  Do not insert masks and/or equipment which are exceeding the height of the bottom disinfection chamber.
-  Do not insert masks and/or equipment that do not fit within the bottom disinfection chamber.
-  When inserting multiple masks and/or equipment, they should not overlap and/or cast shadows on each other.

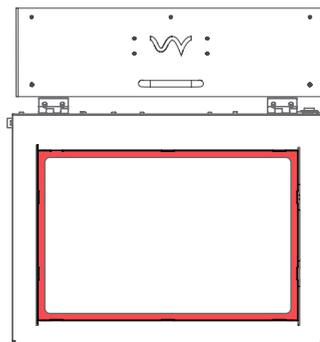
-  Masks and/or equipment should not touch the side walls of the disinfection chamber.
-  Do not close the lid with excessive force.
-  Do not open the ECD during a disinfection run, unless when strictly necessary because of external factors.

Precautions

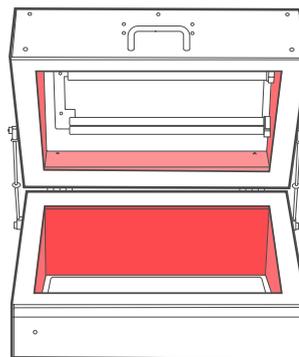
-  With initial use, the user is required to read the Instructions for Use.
-  Do not carry the ECD when the lid is in an open position.
-  Make sure the ECD is properly positioned on a steady surface.
-  Avoid applying external force in the 'opening' direction when the lid is in open position.
-  Always verify if the UV-C lamps switch on when a disinfection run is ongoing.

Placement of masks and/or equipment

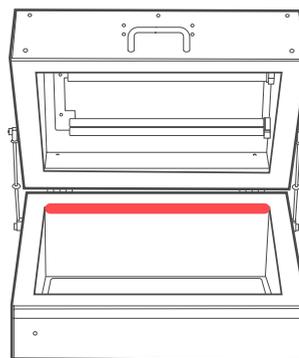
Masks and/or equipment should not be placed outside of the middle plane.



Masks and/or equipment should not touch the side walls.

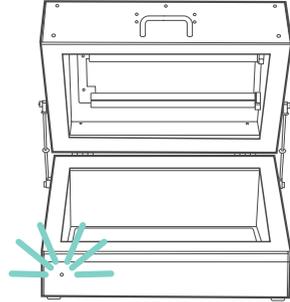


Masks and/or equipment should not be higher than the indicated edge.



Interface

The ECD interface consists of a multi-color LED. The information that is communicated to the user is described in the table below.



Multi-color LED

	Color	Possible meanings	Action options
	Red	<ul style="list-style-type: none">▪ The mask and/or equipment has not been disinfected.▪ Something is wrong with the ECD.	<ul style="list-style-type: none">▪ Open the lid and close it again to try another disinfection cycle.▪ If the red light remains to stay on, contact UV Smart
	Green	<ul style="list-style-type: none">▪ The mask and/or equipment has been successfully disinfected	<ul style="list-style-type: none">▪ Take out mask and/or equipment
	White	<ul style="list-style-type: none">▪ ECD is ready to be used, insert mask and/or equipment and close the lid for disinfection.	<ul style="list-style-type: none">▪ Insert mask and/or equipment▪ Close the lid.

Problem solving

Problem solving

In case of an occurring problem, please refer to the interface page (p.10) and identify the meaning behind the LED feedback and take corresponding action. Contact UV Smart or your local distributor in case you were not able to resolve the problem.

Overheating

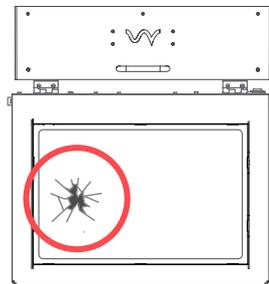
In case of the ECD overheating, unplug the power cable from the mains power. In case of a fire, extinguish it with a fire extinguisher. Call UV Smart or your local distributor to report and resolve any issue.

Disposal

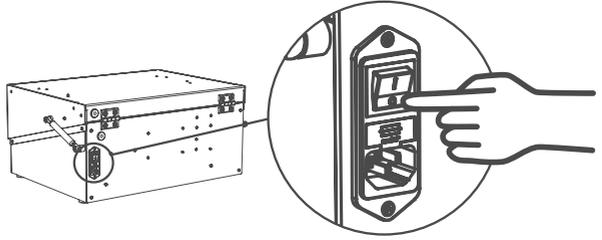
The ECD can be returned to UV Smart for further disposal. Please contact UV Smart or your local distributor for further information.

Broken glass or lamps

- 1 Identify broken glass or lamps

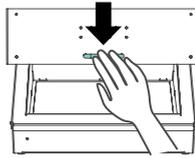


2 Switch off the ECD



In case of broken glass:
a. Close the lid manually

3 In case of broken lamps:
a. Close the lid manually;
b. Place the ECD in a well-ventilated area



4 Contact UV Smart or your local distributor (p.37).



Technical specifications

Name of unit	ECD
Voltage rating	220-240VAC
Frequency	50/60Hz
Amperage rating	2.5A
Max. power rating	220W
UV-C range	100-280nm (peak at 253.7nm)
Accessible fuse value	2x1A 250V time-lag fuse (ø5x20mm)
Operating conditions	
Relative humidity	20% - 90% (without condensation)
Temperature	-20°C - +50°C
Atmospheric pressure	700hPa - 1060hPa
Transport and storage conditions	
Relative humidity	20% - 90% (without condensation)
Temperature	-20°C - +50°C
Atmospheric pressure	700hPa - 1060hPa
Device lifetime	1 year

Symbols



GS1 Data Matrix
Data Matrix containing the unique Device Identification.



Caution
Consult the Instructions for Use for important information.



Legal Manufacturer
Entity responsible for design & manufacturing of the product.



REF-number
Catalogue reference number.



Date of Manufacture
Indicates the date on which the product was manufactured.



Atmospheric pressure limits
Indicates the lower and upper atmospheric pressure limits.



Protective earth (ground)
Protection against electrical shock in case of a fault.



Temperature limits
Indicates the lower and upper temperature limits.



SN-number
Serial number symbol.



Humidity limits
Indicates the lower and upper humidity limits.



Alternating current input
The mask is suitable for alternating current only.



Accessible fuse value
Value of the fuse(s) present in the product.



Non-ionizing
The product emits non-ionizing radiation.



WEEE-symbol
Waste Electrical and Electronic mask.

Disclaimer

The ECD is an emergency unit for disinfection. Use is at own risk and responsibility. UV Smart can not be held accountable under any circumstance.

Contact Details

For any problems or questions please contact UV Smart or your local distributor.

UV Smart B.V.

+31 850 609 800

 info@uvsmart.nl

 Olof Palmestraat 16

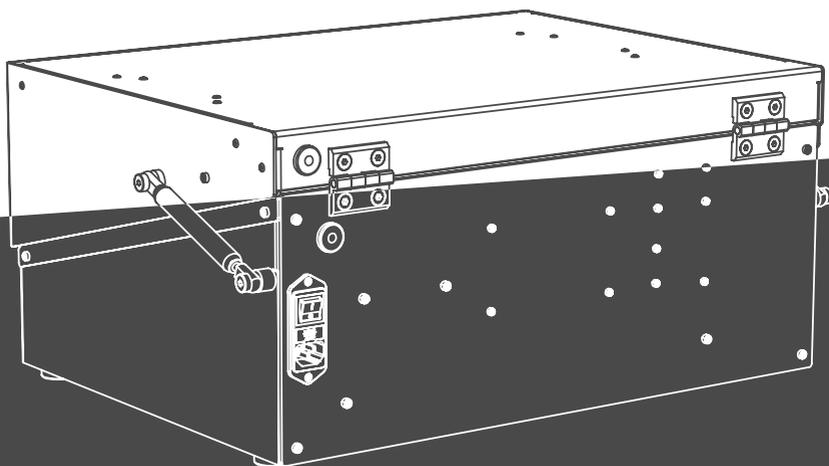
 2616LR Delft

The Netherlands

Training and information

For more training and information, scan the QR-code below.





Manufactured by:
UV Smart B.V.
Olof Palmestraat 16
2616LR Delft
The Netherlands

UV Smart ECD - Instructions for Use (English)
Revision 2
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