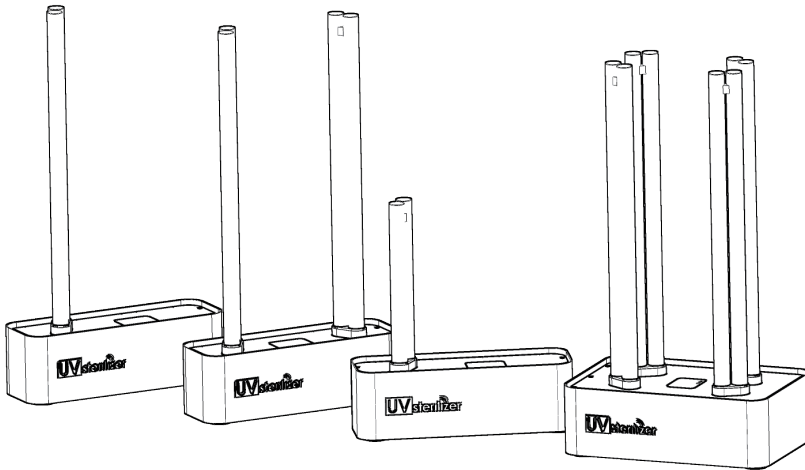




Intelligent UVC sterilizer

Instruction Manual



Model:

UVS-18

UVS-36

UVS-72

UVS-144

MADE IN
TAIWAN

Thank you for choosing UVsterilizer.

Before using and maintaining the product,

Please read this Instruction Manual carefully.

Please read "SAFETY PRECAUTIONS" before using.

Fail to follow this Instruction manual may result in injury or property damage.

Please keep this Instruction Manual in a safe place for future reference.



This product uses high power intensity UVC ultraviolet sterilization lamps. When the ultraviolet lamp turns on, the ultraviolet light generates high intensity UVC which will cause serious damage to human or animal eyes and body skin. So when using this product, please make sure NO people or animals are exposed to the environment.

SAFETY PRECAUTIONS

- Please turn off the power before maintenance.
- If the power cord is damaged, to avoid danger, please immediately stop using it and replace it with a new power cord to ensure safety.
- This product is not suitable for maintenance and use by people without experience and common sense (including children).

In order to avoid injury or property damage to you or others, please be sure to follow the "SAFETY PRECAUTIONS" in this manual.

- The following signs are classified according to the danger or injury caused by misuse.



WARNING

The content indicated by this sign is "not followed, it may cause death or serious injury".



CAUTION

The content indicated by this sign is "not followed, it may cause minor personal injury or property damage".

- The following signs are the types of instructions that must be followed. (The following signs are examples).



This sign indicates prohibited matters.



This sign indicates mandatory matters.



WARNING



- Do not pull the power cord when moving or storing.

(Otherwise the power cord may be damaged, resulting in fire or electric shock.)

- Do not damage the power cord or power plug.

- Do not cut, modify, or excessively twist, or squeeze the power cord. Do not let the power cord close to heat source, or place heavy objects on the power cord. (Otherwise the power cord may be damaged, resulting in fire or electric shock.)

- Do not use chlorine or acid detergents. (Toxic gases emitted from detergents are harmful to health.)

- Do not put foreign objects such as fingers or metal objects into the power supply or the socket of the light source. (Otherwise contact may cause electric shock.)

- Do not touch the power plug or install the lamp with wet hands.

(Otherwise it may cause electric shock.)

- Do not wet the instrument.

- Do not place water glasses or cups on the instrument.

(Otherwise the product may short circuit, causing fire or electric shock.)



- When any of the following situations appear, please stop using the product immediately and unplug the power plug.

(Otherwise it may cause electric shock, fire or smoke.)

-If the power cord or power plug is abnormally hot.

-If you notice a burnt odor or unusual sound.

- Please clean the power plug regularly.

(If there is dust on the power plug, moisture may damage the insulation of the power plug and cause a fire.)

- When the product is not used for a long time, you should pull out the power plug and put it in the storage bag we offer.

- Before maintaining the product, be sure to unplug the power plug.

(Otherwise, the product may cause electric shock or injury if it is powered on and not used correctly.)

- Please fully insert the power plug into the power outlet.

(If the power plug is not fully inserted, the power cord may overheat and cause a fire or electric shock.)

- Do not use damaged power plugs or loose power sockets.

SAFETY PRECAUTIONS

Please follow

CAUTION



Do not to place this product in the following places.

- **When using this product, please make sure that no people or animals are exposed to the field environment.**

(Otherwise high-intensity ultraviolet lamps may cause human or animal eyes and skin injuries.)

- **Unstable places.**

(Otherwise the product may fall over to cause the lamp tube broken and personal injury.)

- **Bathrooms and other places with high temperature, high humidity, or wet products.**

(Otherwise, the product may leak electricity, resulting in fire or electric shock.)

- **Places that emit fumes, such as kitchens.**

(Otherwise the product may cause damage or abnormal operation.)

- **Places where oil or flammable gas may leak.**

(Otherwise it may cause fire.)

Do not use gasoline or other volatile mixed solvents to clean this product.

(Otherwise, the product may be short-

circuited or the lamp tube may be damaged, resulting in injury, fire or electric shock.)

Do not smoked insecticides.

(Otherwise, medicine may accumulate in the product, which may cause damage or abnormal operation.)

Do not place anything on the product or the lamp.

(Otherwise it affects heat dissipation or generates high temperature, which may cause smoke and fire.)

Do not sit or lean on this product.

(Otherwise the product may fall over and cause injury.)

Do not push down or invert this product.

(Otherwise, the product may fall over, causing lamp broken or injury.)



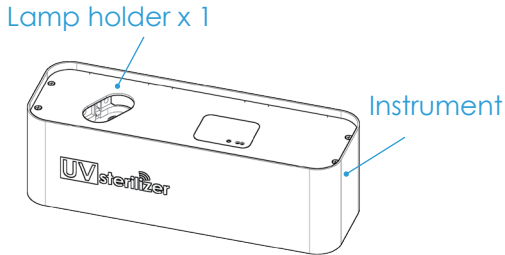
Please hold the power plug by hand to pull out the power plug.

(Otherwise the power cord may be damaged, resulting in fire or electric shock.)

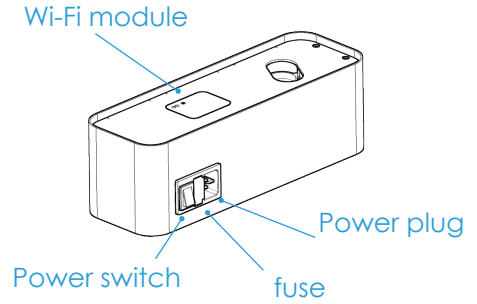
APPEARANCE

UVS-18 UVS-36

FRONT SIDE

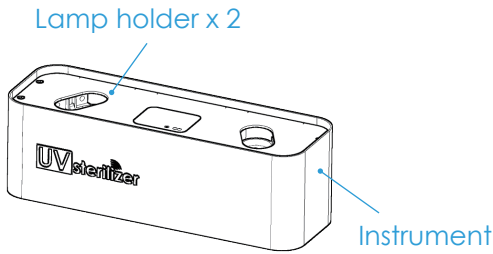


BACK SIDE

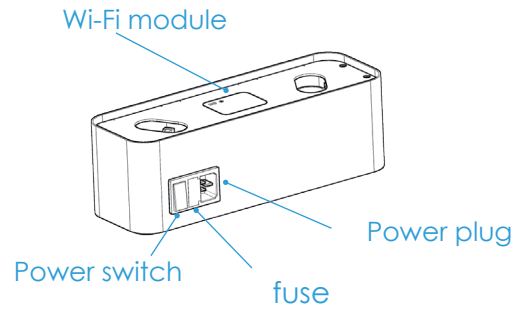


UVS-72

FRONT SIDE

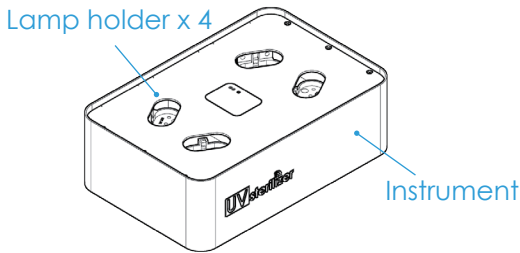


BACK SIDE

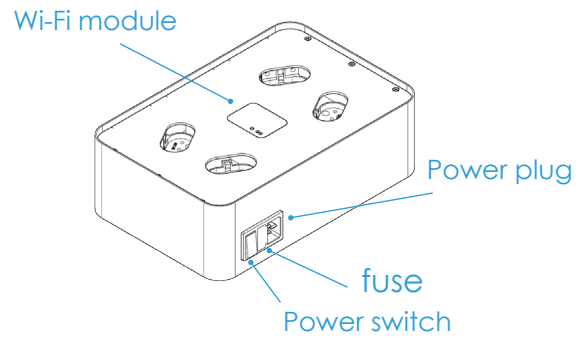


UVS-144

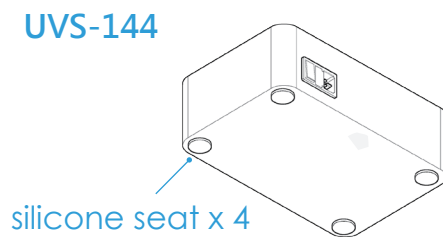
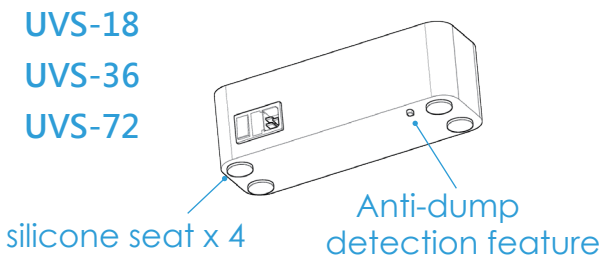
FRONT SIDE



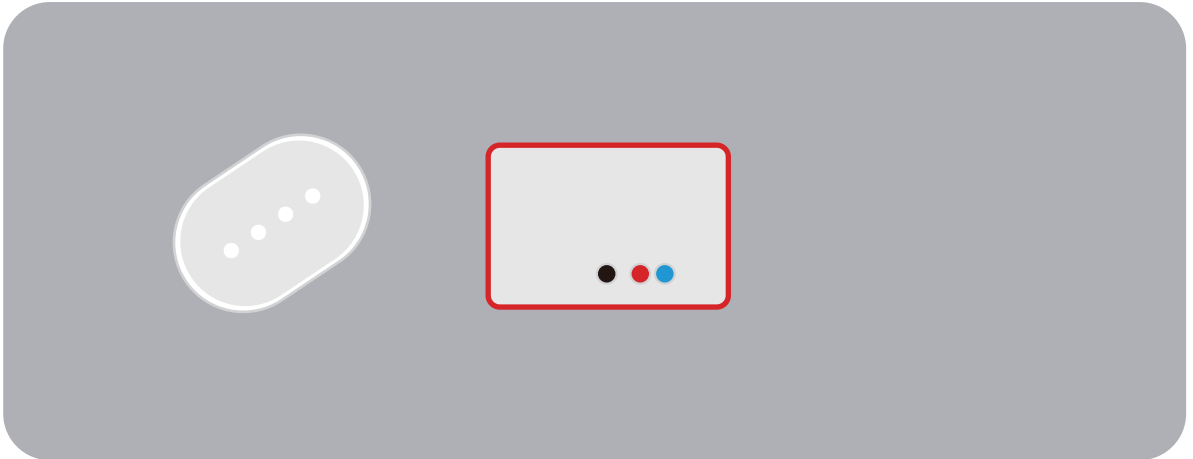
BACK SIDE



BOTTOM SIDE



INDICATOR OF PANEL



Button:

 :Device pairing/
manual function test

- Long press for 5 secs:

The product device is paired and the Wi-Fi indicator will flash.

- Short press:

Manual function test.



If you need to test the instrument, please make sure to remove out the UV lamp first.

Light indicator:

 : Lamp status

- Red light on: ON
- Red light off: OFF

 :Wi-Fi status

- Blue light on:

It has been connected to the wireless and can be controlled with mobile phones or tablets.

- Blue light blinks:

Trying to connect to the wireless router or not pairing with the wireless router yet.

SPECIFICATION

Model:	UVS-18	UVS-36	UVS-72	UVS-144
Lamp type:	UVC			
Wavelength(nm):	253.7			
Lamp Power(watt):	18	36	36	36
Qty of lamp(pc):	1	1	2	4
Total Power (watt):	18	36	72	144
Input:	AC 100- 240V 50/60Hz			
Wi-Fi:	IEEE 802.11 b/g/n 2.4GHz			
Support OS:	Android 4.1, iOS 9.0 or higer version			
Dimension (mm): ^{*1}	260*85*85			260*170*85
Weight (Kg): ^{*2}	1.2	1.3	1.6	2.8

*1: the dimension is not including lamp.

*2: the weight is not including lamp.

SETTING

PREPARING

1 This UV sterilizer product requires a mobile phone or a tablet*¹ and should operation via wireless network. Please download the specific application first.

*1: Minimum requirements for system version:
Android 4.1, IOS 9.0

This UV sterilizer product works with eWeLink, so you can download it by searching for keywords on Google Play or on the App store.

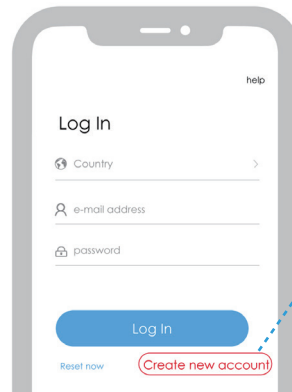


You can also download the application by scanning the QR CODE link below through the camera on mobile phone or tablet.

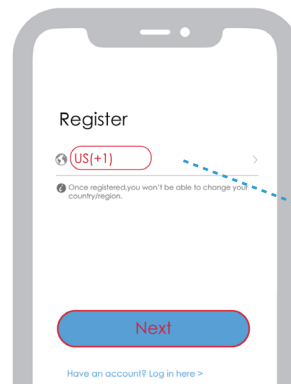


ACCOUNT REGISTER

2 The first step is to execute the mobile or tablet application. You need to register a new account to operate.



Please click the "Create new account"

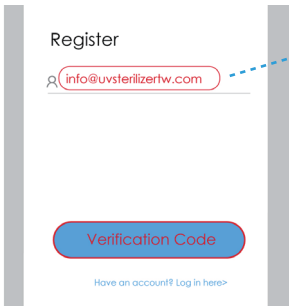


Select your country or region, e.g. (EX: find "US" or type "1" to select) and click "Next".

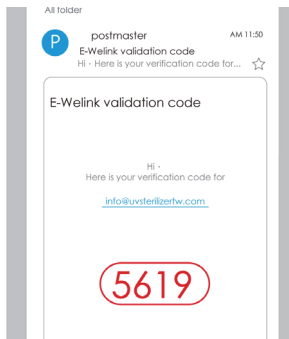
SETTING

ACCOUNT REGISTER

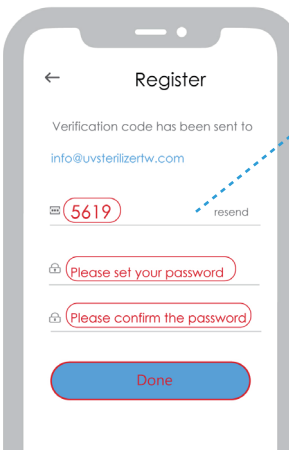
ADD DEVICE



Enter your "email address" and then click "Verification Code".

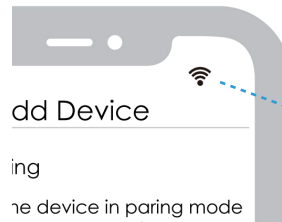


Please go to check the email you just entered, and you should receive a mail with a "verification code", usually 4 numbers (EX: 5619).

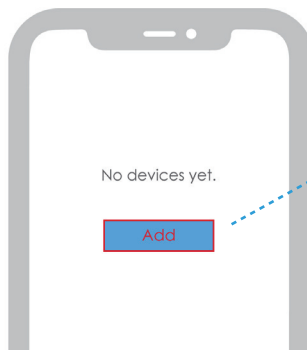


Return to the eWeLink application and enter the "Verification Code" (EX: 5619) and also set your password.

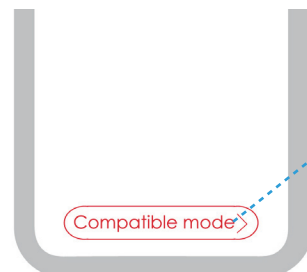
3 After the registration is completed, you can use the mobile phone or tablet to add this UV sterilizer device.



Please confirm whether you have connected your mobile phone or tablet to Wi-Fi.



Click the "Add" button on the screen to add a new device.



Click the "Compatible mode" option below the screen to pair a device.

SETTING

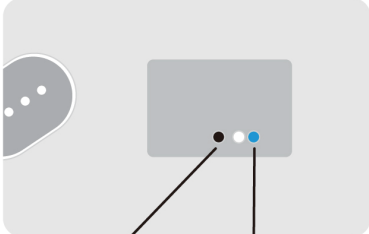
ADD DEVICE/PAIRING

4 In the compatible mode, the blue light will slowly blinks

← Add Device

To enter compatible pairing mode, set the indicator to blink slowly.

- 1 Please switch off and on the power.
- 2 Long press the pairing button(left side) with a sharp object to hold for 5 secs till the blue light(right side) blinks quickly. Then release the button. (blinking twice and one on)
- 3 Long press the pairing button for 5 secs again till the blue light blinks constantly.



pairing button Blue light(Wi-Fi)

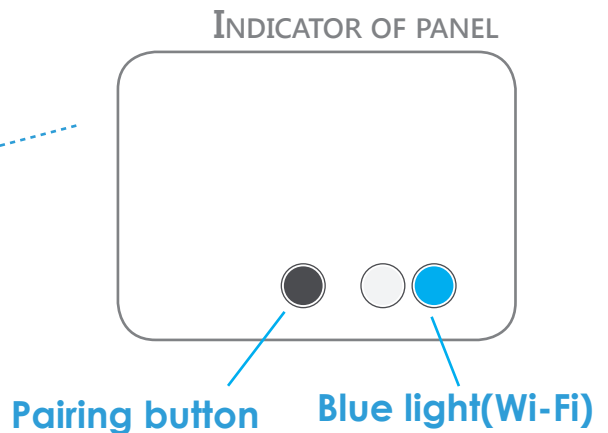
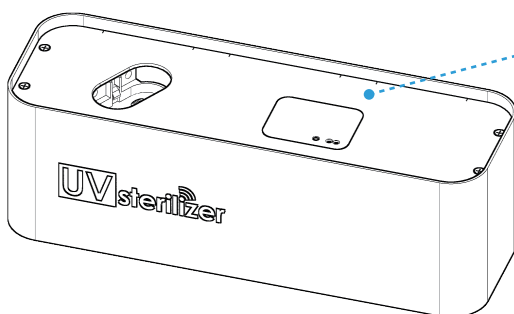
Next

(1) Please switch off and on the power.

(2) Long press the pairing button (left side) with a sharp object to hold for 5 secs till the blue light (right side) blinks quickly. Then release the button. (blinking twice and one on).

(3) Long press the pairing button for 5 secs again till the blue light blinks constantly.

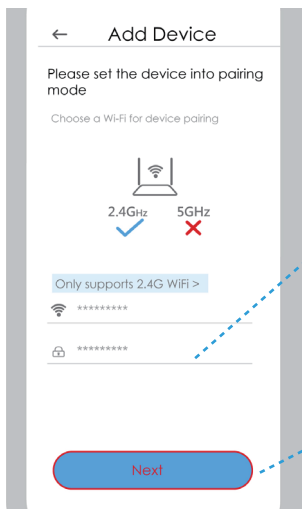
(4) Make sure that the blue light indicator blinks constantly, then click "Next".



SETTING

ADD DEVICE/PAIRING

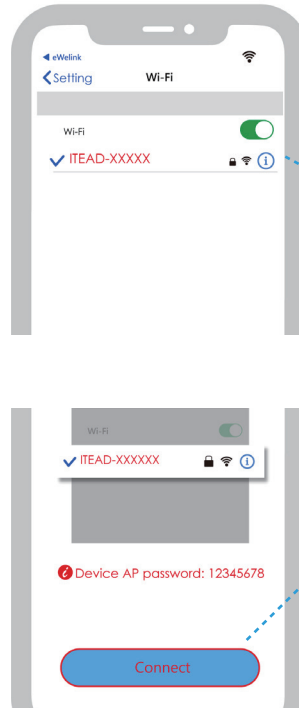
5



Only support 2.4 GHz Wi-Fi

Enter Wi-Fi 「SSID」 and 「password」.

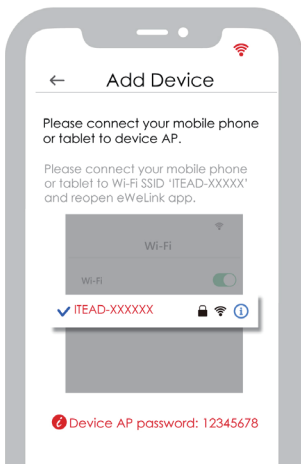
Click 「Next」 for pairing.



Make sure your mobile phone or tablet is connected to the ITEAD-XXXXX network, and then please return to the eWeLink application.

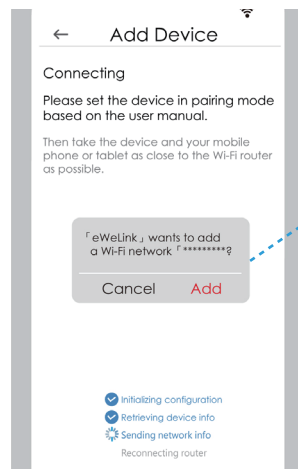
Click 「Connect」 for pairing the device.

6



Please connect your mobile phone or tablet to device AP. EX: 「Setting-Wi-Fi」 choose 「ITEAD-XXXXXX」 Wi-Fi SSID, and enter the password: 「12345678」.

7



It would show a message to add your Wi-Fi network when pairing, please click 「Add」.

SETTING

ADD DEVICE/PAIRING

Connecting

Please set the device in pairing mode based on the user manual

Then take the device and your mobile phone or tablet as close to the Wi-Fi router as possible.



- ✓ Initializing configuration
- ✓ Retrieving device info
- ✓ Sending network info
- ✓ Reconnecting router

During the connection process, the UV sterilizer and your mobile phone or tablet should be as close to the Wi-Fi router as possible, that would be better for pairing and connection.

← Add Device



Device added successfully.

Name Device90F0Fe

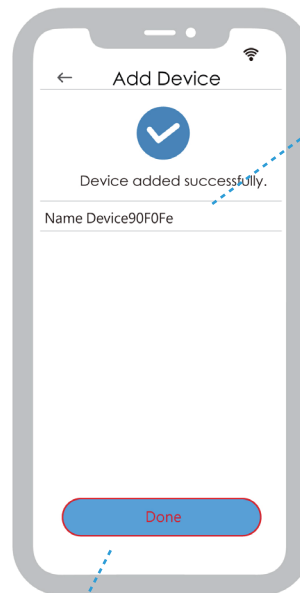
Device has been connected to WiFi, it may take few minutes.

Got it

When this appears the UV sterilizer has been added successfully.

Device has been connected to Wi-Fi, it may take few minutes, please click 「Got it」.

8



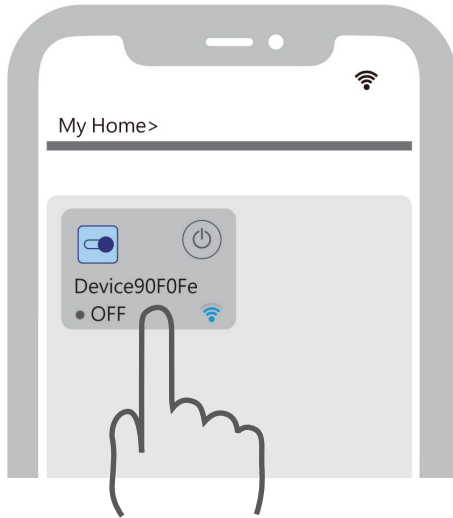
You could change the device name as you want.

Click 「Done」,

you could start to use the UV sterilizer. Enjoy it !!

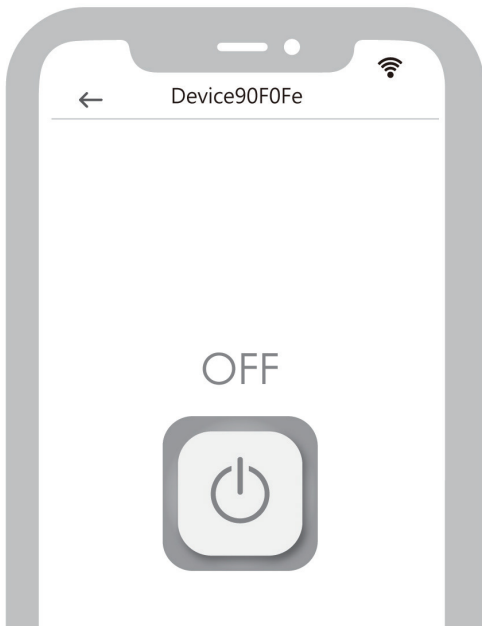
OPERATION

ON /OFF SWITCH



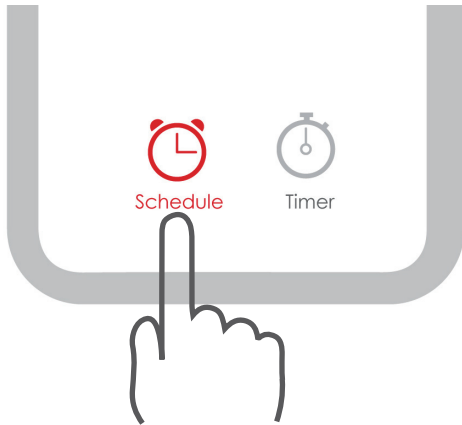
When the pairing is successful, the main page will show the UV sterilizer device (EX: Device90F0Fe).

Click the icon to operate manual switch, as shown in the following two pictures, to turn on and off the UV sterilizer.



OPERATION

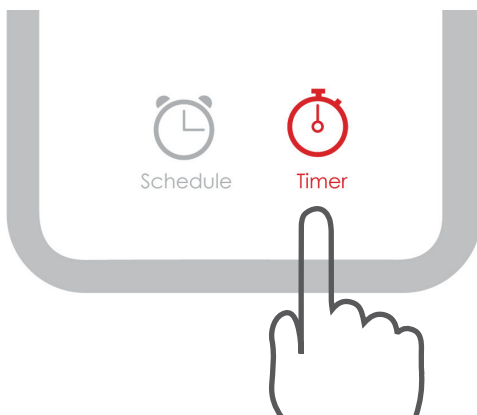
SCHEDULE



Schedule :

The function allows you to make a schedul for the disinfection, and you can set specific booking times to turn on and off the UV sterilizer.

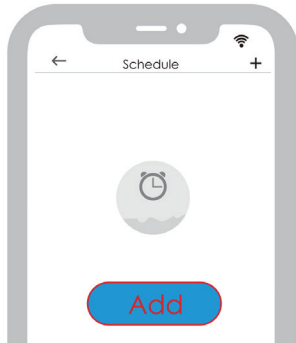
TIMER



Timer:

The function allows you to set the timer for operation of the UV sterilizer, and you can set how long the sterilizer will be manually turned off after it is turned on.

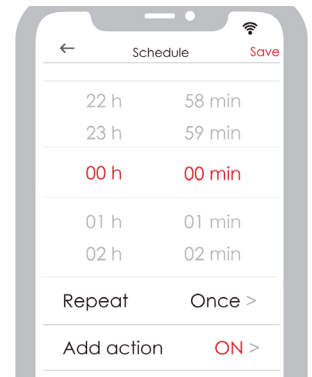
SCHEDULE (EX: 00:00AM Turn ON · 01:00AM OFF)



In the Schedule page, click "Add" button to a schedule setting.

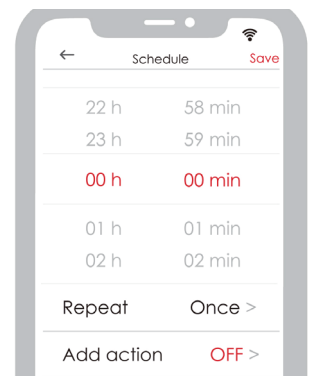
(1) Select the time to set when the UV sterilizer will be 'turn ON'.

- Time: 00 h 00 min
- Repeat: you could choose 'Once' or a specific day or a specific days of week (Monday to Sunday).
- Add action: ON

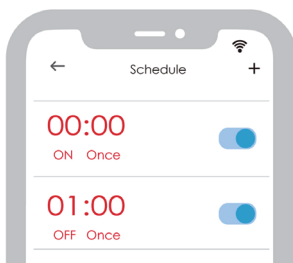


(2) Select the time to set when the UV sterilizer will be 'turn OFF'.

- Time: 01 h 00 min
- Repeat: you could choose 'Once' or a specific days of week (Monday to Sunday).
- Add action: OFF



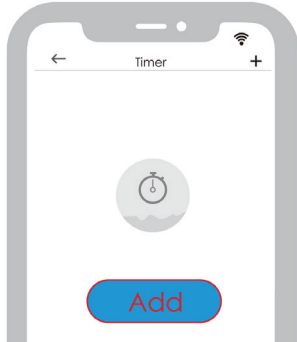
After setting, click "Save" to save the setting of the UV sterilizer.



After the setting is completed, the schedule setting will be displayed on the schedule page. If it needs to be modified or deleted, just click to modify or delete.

TIMER

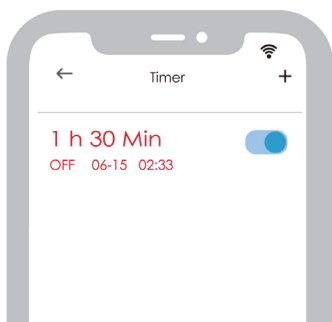
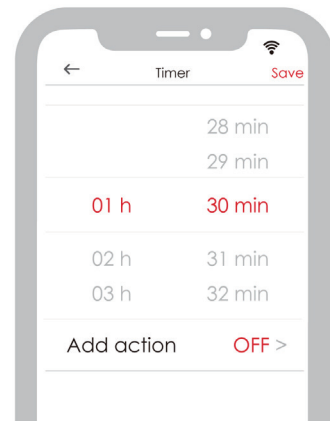
(EX: Turn ON manually · set 1 hr 30 min to turn OFF)



In the Timer page, click "Add" button to add a timer setting.

Choose the duration you want to turn off the UV sterilizer.

- Duration : 01 hr 30 minutes
- Add action: OFF



After the setting is completed, the timer setting will be displayed on the timer page. If it needs to be modified or deleted, just click to modify or delete.

TROUBLESHOOTING

■ Q: Why does the instrument is no any light indicator show?

A: Please make sure that the power cord is well connected. The instrument is designed with a safety switch, next to the power plug. Please also make sure the instrument is turned on.

■ Q: Why I was doing the pairing process ,but it has been unable to connect successfully.

A: When the wireless network signal received by the host, smartphone or tablet device is too weak, it will be a problem that the device cannot be found. It is recommended referring to the instruction manual to set the device to be paired in the "compatible mode".

■ Q: Why does the lamp have to wait for a few seconds before it is lit?

A: This is a normal phenomenon. This product uses a preheated electronic ballast. The lamp will be heated before the lamp is lit. The lamp will be lit after the operating temperature is reached. This will extend the life of the lamp.

■ Q: The instrument has a Wi-Fi led indicator, but the mobile phone or tablet application shows that the instrument is offline.

A: Please confirm whether the Wi-Fi indicator on the UV sterilizer is steady blue. If the blue light is blinking, it means that it cannot successfully connect to the Wi-Fi. You may need to move the instrument to a range that can receive the wireless network normally.

■ Q: When using the mobile phone or tablet control the switch, the lamp does not lit.

A: The instrument is designed with anti-dump detection feature. When the instrument detects to be placed on an unstable surface, it will cut off the power supply to the lamp. If it is confirmed that there is not a feature

TROUBLESHOOTING

problem on the UV sterilizer, the lamp may be damaged and needs to be replaced.

Q: When I click the switch on the mobile phone or tablet application, there is no response and it shows a message?

A: If this problem occurs, the application may be unable to communicate with the instrument. Please close the application and restart the application for operation.

Q: Why is the color of the lamp different than before?

A: When the normal UV germicidal lamp is lit, the appearance color is light blue. If it is not light blue, please immediately turn off the lamps with a mobile phone or tablet and turn off the power of the instrument for check. Make sure the lamps are installed correctly. If you are using the model of UVS-72 or UVS-144, they are multi-lamps models, all the lamps must be correctly installed and use the same power model lamps.

Q: The lamp can't be continuously lit normally, for example the lamp flashes or turns on and off!

A: If this phenomenon occurs, maybe the lamp will be damaged, please buy a replacement for the same power model lamp(s). If the lamp(s) turns on and off, the electronic ballast of the instrument may be damaged or abnormal. Please turn off the power immediately and contact with our company.

Q: Why does the UV sterilizer feel hot when I touched after use?

A: Because the instrument is made of all metal material, the temperature will be higher after normal use. This is a normal phenomenon, however, if you observe that the temperature is still abnormal when standby, please turn off the power and wait for the UV sterilizer to be cooled down, then turn on the power switch to confirm whether the temperature is still abnormal when standby. If the temperature is still abnormal it is possible that the internal circuit or electronic ballast is abnormal, please stop using it immediately and contact our company.

Q&A

■ **Q: How could I choose a suitable model of UV sterilizer?**

A: According to the space size you want to use for disinfection. There are four different model of UV sterilizers you could choose.

■ **Q: How often is it suggested using a UV sterilizer for disinfection? How long should I use the UV sterilizer every time?**

A: We suggest you could use 2~3 times a week. The time is base on the environment space size and the lamp power of UV sterilizer.

- UVS-144 (36 watt lamp*4), the space size is 356~534 ft² (33~49.5 m²), we suggest to use it for 15~30 minutes once.
- UVS-72 (36-watt lamp*2), the space size is 356~534 ft² (33~49.5 m²), we suggest to use it for 30~45 minutes once.
- For UVS-36 (36-watt lamp*1), the space size is 356~534 ft² (33~49.5 m²), we suggest to use it for 45~60 minutes once.
- UVS-18 (18-watt lamp*1), the space size is 356~534 ft² (33~49.5 m²), we suggest to use 75~90 minutes once.

■ **Q: Will there be a smell in the environment after use? Is it normal?**

A: It is normal. The UVsterilizer uses the UVC germicidal lamp , the lamp generates ozone (O³), so the smell is from ozone. Low concentration of ozone can be used for the purpose of purifying ambient air. It is recommended opening the window after use or turning on the air conditioner for ventilation or air circulation.

■ **Q: Can I use it for different places? (such as office and home)**

A: Of course. This UV sterilizer is designed to be light and it is easy to carry. Just make sure that different rooms can be connected to the Wi-Fi network normally. If you need to connect to different Wi-Fi networks, you only need to reset it.

Q&A

- **Q: Will the furnishings in the room impact on the disinfection effect of the UV sterilizer? How to disinfect some places where there are no UV?**

A: General indoor furniture and wall paints contain UV-resistant materials. But if there is no UV-resistant material, it may be a problem of discoloration or deterioration after long-term exposure to UV sterilizer.

Due to the short wavelength of UVC ultraviolet rays, its penetration is still limited, and the sterilization power will be greatly reduced in places where it cannot be exposed. The UV sterilizer is only an assistant tool for disinfection, and the usual environmental cleaning work cannot be omitted.

- **Q: There are potted plants and plants at home. Does ultraviolet light disinfection affect plants?**

A: According to the literature research report, it is true that UVC ultraviolet short wavelength exposure to plants for a long time will affect their cell division and inhibit growth. It is recommended using the UV sterilizer to confirm whether the surrounding potted plants are far away or temporarily moved elsewhere.

- **Q: What if the elders at home is unable to use it? How to prevent children or pets from accidentally touching or intruding when disinfecting?**

A: Please refer to the Instruction Manual before installation, which contains the use and setting procedures.

The UV sterilizer uses UVC germicidal lamp, which could be severely harmful to humans and animals, so when using this product, please ensure that no people or animals are exposed to it in the environmental field.

Q&A

■ **Q: If there is no Wi-Fi at home, how to use the UV sterilizer?**

A: This product needs to be connected to a mobile phone or tablet through a Wi-Fi network. Therefore, this product cannot be used without Wi-Fi.

■ **Q: Can general ultraviolet rays useful for disinfection? What is the effect of the UV sterilizer?**

A: As long as the product has a description of UVC, it can be useful for disinfection. However, most of the products on the market are made in China; the lamp lifetime is usually shorter and the instrument may not have good quality materials and qualified specifications.

We have four different model of UV sterilizers, you can choose and purchase according to your demand.

■ **Q: Will the UV sterilizer cause harm to the human body? What should I do if I exposed to it? How can I avoid causing harm?**

A: The UV sterilizer uses UVC germicidal lamp. About its UVC short wavelength, some experiments proved that it can effectively sterilize and improve the ambient air, but it is still severely harmful to humans and animals. Be sure not to look directly by your eyes or make skin contact, cause serious damage to eyes or skin. Therefore, when using this product, please ensure that no people or animals are exposed to the environment.

■ **Q: How long can the UV lamp be used? Can I buy a UV lamp separately? Where to buy it?**

A: The UV lamp lifetime is declared by the original factory to be more than 8,000 hours (but due to the frequency and environment of use; they will reduce the actual lifetime.)

Of course the lamp can be purchased separately for replacement. You can contact us, or you can buy replacement lamps of the same specifications power on the market.

Q&A

- **Q: How do I know if the UV lamp is malfunctioning? If the lamp or the instrument is malfunctioning, is there any warranty? Where should the malfunctioning be repaired?**

A: This product is guaranteed for one year due to non-human factors. When you start the operation, if the lamp is not lit, you can first check whether this product is placed on a stable surface, because this product has an anti-dump detection feature. When it detects that the surface is not stable, it will immediately cut off the power. If the lamp still cannot be lit after check, you may need to replace the lamp. If you choose a multi lamps model, it is recommended replacing all the lamps together, which can effectively ensure the sterilization ability and extend the lifetime of the lamp. You can contact us for advice or support.

- **Q: Can I take it abroad for use in other countries?**

A: Yes, this product has a full voltage input. It can be used in others countries, but you need to check whether the local power plug is applicable.





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