

JOVS

The skin should be free from any skin care product before use. Please refer to this user manual for product assembling and use.

- ⓘ CAUTION: Possible physical injury caused by improper or incorrect use.
- ⓘ WARNINGS: possible risks caused by improper or incorrect use.
- ⚠ ATTENTION: possible safety problems or property loss caused by improper or incorrect use.

## ⓘ CAUTION

- ⓘ Discontinue use if this product appears any damage. Do not touch any parts of it in case of getting an electric shock.
- ⓘ Do not stick any object into the product and keep this product in a safe environment.
- ⓘ Keep the device away from the eyes. The goggles can't prevent melanin from absorbing the light energy if operating around the eyes. High frequency flashes may cause harm to your eyes, please wear the goggles during each treatment.
- ⓘ We recommend that you ask for assistance if back hair removal is needed to avoid any risks.
- ⓘ Before treatment, the skin should be shaved to ensure the best experience. Using this product on hair longer than 1mm may result in burns and redness in skin. Burnt hair will also stick onto the treatment surface which will cause unpleasant smell.
- ⓘ Before treatment, the skin should be dry and clean. It may cause abnormal pulse light otherwise.
- ⓘ Keep this product away from children due to lack of data on product use in children under 15 years old.
- ⓘ Adjust the energy level based on your needs of hair removal in different parts of your body. Starting from the low energy level and increase the level based on your personal needs and skin tolerance.

## ⓘ WARNING



- ⓘ **Keep your device away from water or liquids! Do not use near bathtubs, showers, basins or other vessels containing water.**
- ⓘ **Children must not play with the device or any of its parts.**
- ⓘ **This product is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**
- ⓘ Do not use any antiperspirants or deodorants right after hair removal on your armpits.
- ⓘ Clean the foreign objects and stains in the treatment surface regularly to prevent product failure and light output damage.
- ⓘ Do not shed light on any clothes, hair or other objects so as to prevent burning, coloration or damage from taking place.
- ⓘ Do not use this product on any pet to prevent any harm.
- ⓘ Do not apply any antiperspirant immediately after shedding light into armpits.

- ❶ After using this product, please wipe off any hair or skincare product clung onto it so as to prevent this product from breaking down or causing any harm to the skin when being put to use again.
- ❷ Both this product and its power adapter shall be kept dry.
- ❸ Please choose an appropriate intensity of light in line with your skin conditions. When using this product for the first time, please start it up from Level 1.
- ❹ Mild heat or redness in the target skin area after using this product is not unusual. For remedy, please activate the skin-cooling feature of this product.
- ❺ When removing any hair on the back, please be advised to have someone assist you since it might be risky for you to operate this product single-handedly.
- ❻ After being started up, this product shall not be left unattended. Be sure to turn this product off in time after using it.
- ❼ Clean the target skin area to ensure its surface to be completely dry and further free from any hair leftovers or oily stains.
- ❽ Before moving this product from a place to another where the temperature is higher or lower by up to 20 degrees Celsius (e.g. from a low-temperature place to a high-temperature place, or vice versa), turn it off and leave it unused for 2 hours or so before starting it up again for re-use.
- ❾ Do not use this product near any flammable or explosive substance (inclusive of any sprayer or petrol station, etc.) so as to prevent bodily injuries caused by the device-induced fire accident or electric shock.
- ❿ Please check the room temperature before using this product which shall be used in a place with an ambient temperature of 5–40 degrees Celsius.
- ⓫ Do not expose the target skin area to ultraviolet radiation directly within 48 hours after hair removal.
- ⓬ Do not shed light on any black object so as to prevent damage to the black object and this product.
- ⓭ Do not expose this product to any intensive sunlight or a functioning ultraviolet lamp for long hours which will do severe harm to it.
- ⓮ Do not use this product if it has been switched on but its built-in fan fails to run (e.g. no fanning noise is heard), so as to prevent this product from breakdown.

## ⚠ ATTENTION



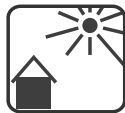
Do not expose treated skin to the sun before or after treatment



Do not use in dark environment



Before treatment, the skin should be shaved and clean



Do not use in direct sunlight



Please start from level 1 (the lowest) if it's your first time using this device



Wear goggles during treatment



Prevent impact



Do not use this device in bathrooms or other high-humidity environments

## Do not use if

- You are pregnant or nursing, on your period, have keloidal scar formation, diabetes, or a known sensitivity to light (photosensitivity).
- You have severe heart disease, moderate to severe hypertension, malignant tumor, folliculitis, infectious skin disease, burned skin, or anticoagulation disorder.
- You have abnormal collagen metabolism including history of keloidal scar formation or poor wound healing.
- You have vascular disease such as varicosity and vascular ectasias.
- Your skin is sensitive to light.
- You have herpes simplex, skin lesions, hematoma and such diseases, do not use in infected areas.
- You have Immunosuppression (including HIV, lupus erythematosus, and porphyria); You have hemorrhage or are currently or have recently been treated with Accutane (isotreti- noin), Alpha-Hydroxi Acids (AHAs), Beta-Hydroxi Acids (BHAs), topical retinoids or azelaic acid.
- You have used any hair removal cream within the past 30 days or any skin whitening product or cosmetics containing Vitamin A in the past week.
- You have applied products containing essential oil. Please make sure your skin is clean, dry, and free from any lotion, lubricants, and other cosmetics.
- You have recently been treated with Aspirin, immunosuppressive agents, or Accutane (isotreti- noin). You have recently been treated with photosensitive drugs such as tetracycline, sulfanilamide.
- You were exposed to strong sunlight, please wait until your skin is repaired.
- Do not use on sensitive parts such as mucosa. Do not use on areas with unhealed wounds or if you have polytrichia or abnormal skin conditions caused by polytrichia.  
(Please consult your physician before use if necessary.)

## Do not use on these parts of the body

- |  |  |
|--|--|
| 1. Inside the mouth, genitals, or mucosa | 7. Eyebrows or hair on your head         |
| 2. Areas with injected fillers or toxins | 8. Ears                                  |
| 3. Prominent                             | 9. Around or near the nipples and areola |
| 4. Around or near the eyes               | 10. Inside of your belly button          |
| 5. Acne with acne                        | 11. Vena cava                            |
| 6. On dark brown/black                   | 12. On tattoos                           |

(Note: The list is not exhaustive, we recommend that you consult our online customer service if you are unsure if you can use this product or not.)

## Product Overview

The JOVS Graphene Hair Removal Device is an at-home hair removal and skincare device that integrates three types of features.

**Hair removal:** The device has six hair removal modes that are unavailable in other hair removers on the market. They are Hand Mode, Leg Mode, Face Mode, Armpit Mode, Private Mode, and Intense Mode. The new Intense Mode is designed for those who are not satisfied with the hair removal effect using other hair removal modes.

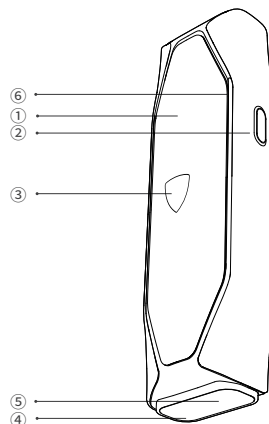
**Skin rejuvenation (SR):** This product retains the popular SR feature of earlier JOVS hair remover models. The SR Mode, used with its corresponding optical filter, can produce intense pulsed light with the selective photothermal effect to brighten and rejuvenate your skin.

**Facial skincare:** This product provides the "Serum Absorption" mode and "Cooling Skincare" mode.

It has a sapphire cooling panel. You can switch between the Summer Mode and Winter Mode, which enable the cooling panel to cool your skin down based on different temperatures in Summer and Winter to soothe your skin during hair removal.

Specifications	
Product Name	JOVS Graphene Hair Removal Device
Model	JOC - 910
Lighting Coverage	1.1*3.1=3.41cm <sup>2</sup>
Cooling Coverage	7.4cm <sup>2</sup>
Wavelength	590-1200nm
Power	Input:100-240V~50/60Hz Output:24V=2.5A

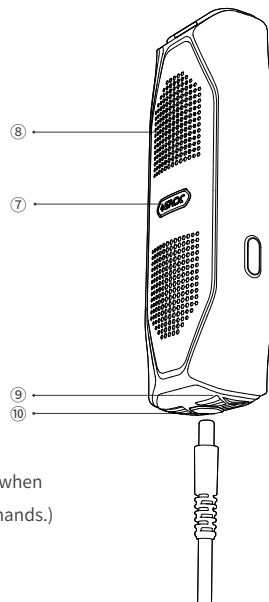
## Product Structure



### Component Names

- ① LCD display
- ② Power button
- ③ Lighting button
- ④ Cooling panel
- ⑤ Light outlet
- ⑥ Indicator

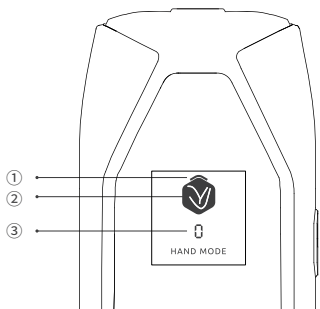
※ This device may be damaged severely in the event of blocked air inlets/outlets.



### Component Names

- ⑦ JOVS logo
- ⑧ Air inlets (Don't block them when holding this device with your hands.)
- ⑨ Air outlets
- ⑩ Charging port

## ❖ LCD Display



### Component Names

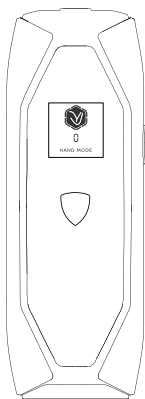
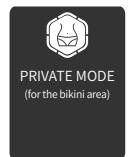
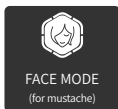
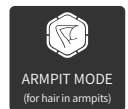
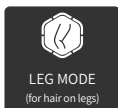
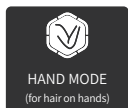
- ① Level
- ② Mode in use
- ③ Number of flashes used under the current mode

(It is the total number of flashes used under the current mode. You can reset the number to zero to see how many flashes are used each time you remove the hair from a body part. If you don't, you will get an accumulative number of flashes you use to treat a certain area.)

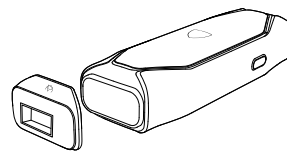
## ❖ Six Hair Removal Modes

This device offers six modes for different skin types and hair thicknesses.

(Please choose an appropriate mode for the best hair-removal effect together with maximum comfort.)



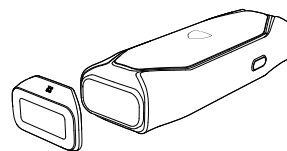
## ❖ Optical Filters



### Facial Hair Removal Optical Filter

Steps:

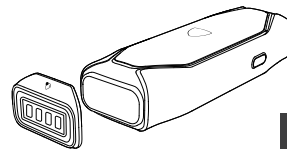
Attach the facial hair removal optical filter and the device will automatically switch to the Face Mode. Select an appropriate level and then use the device to remove your facial hair. You can also remove hair on small areas such as fingers under this mode. In case you are not satisfied with the hair removal result, you may switch to the Intense Mode. Use this mode with caution on sensitive skin.



### SR Far Infrared (FIR) Optical Filter

Steps:

Attach the SR FIR optical filter to the device, select an appropriate level, place the lighting head flat against the skin, and press the Lighting button for SR treatment.



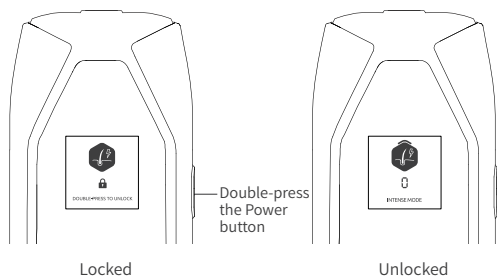
### Facial Skincare Optical Filter

Steps:

Attach the facial skincare optical filter to the device and the screen will display "Skincare", meaning that the device is ready for facial skincare. Remove the optical filter after the skincare session and Cooling Panel Temperature Control will appear on the screen. You can then place the device head against your face.

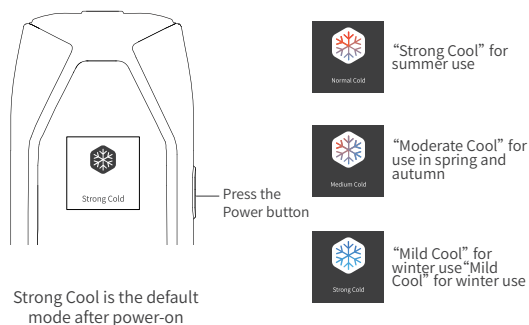
## ❖ Intense Mode

To unlock the Intense Mode, double-press the Power button.



This mode is designed for the removal of bushy hair. It produces intense light and is more likely to cause redness or great pain to the skin. Therefore, try this mode only when the other modes fail to meet your hair removal needs. When you use this mode, get started from Level 1. If redness appears on the target skin area at Level 1, stop using this mode immediately.

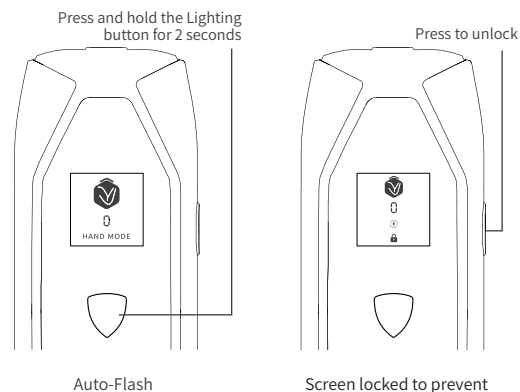
## ❖ Cooling Panel Temperature Control



Press the Power button to set the mode.

Strong Cool is the default mode after power-on. This product's cooling panel is designed to give you different cooling sensations based on the temperatures in four seasons. Three adjustable modes, i.e. "Strong Cool" for summer use, "Moderate Cool" for use in spring and autumn, and "Mild Cool" for winter use, are available to offer you a comfortable hair removal experience all year round.

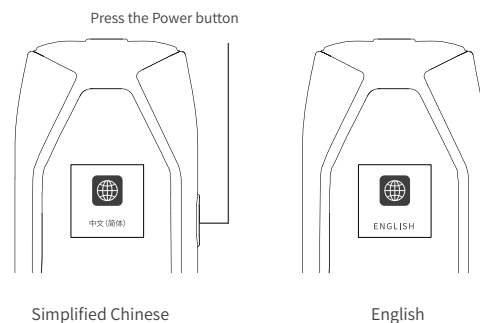
## ❖ Auto-flash Mode and Screen Unlock



To enable Auto-Flash, press and hold the Lighting button for 2 seconds. To disable Auto-Flash, press the Lighting button.

To unlock the screen, press the Power button. To manually lock the screen, double-press the Lighting button. The screen is automatically locked in the following cases:  
① Auto-flash is enabled.  
② The Lighting button is pressed 3 times within 5 seconds.

## ❖ System Language



Press the Power button to set the system language to Simplified Chinese or English.

## ❖ Before You Start Hair Removal

1. Cleanse the target skin area thoroughly, and make sure it is completely dry and also free from hair or oily leftovers (e.g. essence or emulsion).
2. Make sure the light outlet is free from any dust, hair, or dirt, has not been damaged, and does not appear abnormal. Be sure to clean off all dirt (if any) in order to prevent this device from breaking down, deteriorating, or causing skin problems.
3. Do a test on the target skin area before using this device and check the condition of the tested skin area two hours thereafter. You can use this device safely so long as the tested skin area shows no problem.

## ❖ Setting of Light Intensity

Devised particularly for hair removal at home, this device features a more desirable intensity of light which is split into six levels. You can adjust the intensity of light in tune with the colors of your skin and body hair and make yourself feel at ease. The following checklist of light intensity recommendations will help you determine the suitable intensity of light.

1. Please consult the following checklist to determine which intensity of light is good for the colors of your skin and hair.  
Tip: You can use the checklist in the Quick Start for comparison with your skin tone.  
Tip: You are advised to keep the Quick Start in a safe place for future reference.

2. Please shift to a lower level if you feel any pain or discomfort. People with darker skin are more likely to fall victim to skin allergies because their skin tends to absorb more of the light. Therefore, people with darker skin are advised to opt for a lower level of intensity. You may feel warm or hot on your skin depending on the level of intensity, but you are not supposed to feel any pain whatsoever.

Level-Intensity Checklist (Skin Tone Card)

Skin Tone \ Hair Color	Lightest	Light	Medium-Light	Medium	Medium-Dark	Darkest
Dark Golden/ Light Brown	2-6	2-6	2-5	2-4	2-3	×
Brown	2-6	2-6	2-5	2-5	2-3	×
Dark Brown	2-6	2-6	2-5	2-5	2-4	×
Black	2-6	2-6	2-6	2-5	2-4	×
Note: This device is not suitable for any skin tone marked by " × ".						
Note: This device is not recommended for white, gray, red, or golden hair.						
Note: Your skin might make dissimilar responses depending on the time length/occasion of lighting, due to varying kinds of reasons.						

## ❖ Skin Exposure Test

If you are using this device for the first time or have tanned your skin recently, be sure to take a test on each target skin area to find out if your target skin will react to the given intensity of light and also to determine the proper intensity of light for each target skin area.

1. Choose a body part near the target skin area.

Note: Do not try to use this device on a body part that is sensitive or not easy to handle (e.g. ankles or other parts of the skeleton).

2. Be sure to turn the knob to Level 1.
3. Place this device vertically into the skin to enable its contact with the light outlet.
4. Press the Lighting button to give out flashing light.
5. Slide this device on the surface of the skin to the next target skin area.
6. Increase the intensity of light to a higher level and enable this device to give out light for once, before sliding it to the next target skin area.
7. After the skin test is done, wait for two hours and then check the skin condition. If the skin area exposed to light does not show any redness or blisters, you can be reassured about using this device.

## ❖ Key Points of Hair Removal

### Key points for different body parts

#### 1. Armpits

Before removing the hair, cleanse off any antiperspirant, perfume, or emulsion from the armpits. For a body part with slack skin, use fingers to tauten the skin before removing the hair. It is not unusual to feel some mild heat on the skin exposed to the light outlet.

#### 2. Bikini line

Set this device to a lower level of intensity on a body area with darker skin due to pigmentation. Level 1 is recommended before your skin gets accustomed to it.

#### 3. Hands and feet

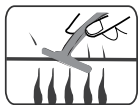
It is more likely to feel some pain in a bony, convex, or concave skin area than others.

#### 4. Do not use this device on any body part fitting into the following descriptions:

Characterized by a darker skin tone, stricken by any burn scar, chilblain, black nevus or tattoo, or in the vicinity of eyes, eyebrows, hair, or temples, etc.  
Within 48 hours after hair removal, avoid the target skin area from exposure to ultraviolet radiation, especially the direct exposure to sunlight. Be sure to apply some sunscreen cream onto the target skin area when going outdoors.  
Be sure not to expose your eyes directly to any flashing light.

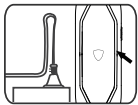
## ❖ Directions for Use

### How to use the Manual Flash Mode



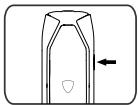
01

Use a razor to shave the hair off the target skin area and cleanse the target skin area properly.



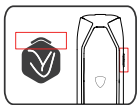
02

Connect the device to power, and press and hold the Power button for 2 seconds. A light loop will appear on the front of the device.



03

Swipe the screen left and right to select an appropriate hair removal mode according to the target skin area.



04

Choose a level. Level 1 is recommended for first-timers. The higher a level, the better the result—to the extent that no harm is done to the skin.



05

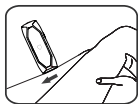
Wear protective goggles, place the lighting head against the target skin closely and vertically, and press the Lighting button. This device will not give out light as soon as its lighting head fails to get in touch with the target skin area. (To enable this device to give out flashing light while sliding, press and hold the Lighting button for 2s.)

### How to use the SR Mode



01

Attach the SR FIR optical filter to the device and the device will automatically switch to SR Mode. Press the Power button and choose an appropriate level.



02

Point the lighting head at the target skin area closely and vertically, and press the Lighting button to start SR treatment.

Note: When using SR Mode immediately after hair removal, Level 1 or 2 is recommended. For day-to-day skincare, you may choose a level in line with the tolerance of your skin.

Regardless of whichever mode it has been set to, the device will be switched off automatically 3 minutes after being left untended. When set to a working mode, the device will likewise be switched off automatically after having operated for 30 consecutive minutes. After the device is switched off, its fan will keep running for 15 extra seconds for heat dissipation, which helps prolong the service life of the device. Do not disconnect the device from power until its fan stops running.

## ❖ After-Use Skincare

- The target skin area shall not get wet within six hours after hair removal. Thereafter, it is allowed to apply some moisturizer onto the target skin area for moisturizing purpose.
- After hair removal, do not apply any perfume or cosmetics which contain exfoliation particles onto the target skin area.
- Within 48 hours after hair removal, do not expose the target skin area to intensive ultraviolet radiation. Where necessary to do so, be sure to apply a due amount of sunscreen cream into the target skin area for protection purpose.
- It is not allowed to expose the target skin area to any artificial tanning during hair removal.
- Please consult a physician for advice where it is necessary to conduct any plastic surgery on the target skin area after hair removal.
- Please consult a surgeon for advice if you do not feel comfortable in the target skin area.

## ❖ Frequency of Use

Time	Weeks 1–4	Weeks 5–8	After Week 8
Frequency	Three or four times per week	Twice or three times per week	Once per month or per half month

※ Use this device at an appropriate frequency in the light of the actual growth of your hair in the target skin area. It is feasible to use this device more often than usual if your hair grows quicker than normal in which case a higher intensity of light can be chosen for hair removal. The frequency of use shall vary from one user to another.

## ❖ Cleaning and Maintenance

In order to ensure the best performance and longest possible service life of this device, be sure to clean up this device before and after using it every time so as to prevent any hair or dust from accumulating in or on its body for long hours.



1. Examine this device, its light outlet and component parts of its body in particular, and ensure that all of them remain clean and tidy.
2. Do not rinse out this device or any of its fittings with running tap water or inside a dishwasher.
3. Do not use a steel wire sponge, any abrasive detergent (e.g. toothpaste, etc.), or corrosive liquid (e.g. gasoline, engine oil, or acetone) to clean up this device.

※ Note: Discontinue the use of this device when it becomes impossible to clean up its light outlet.



1. Switch off and disconnect this device from power to let it cool down. When this device is being used, its light outlet will become warm. Be sure to let this device cool down before cleaning it up.
2. Where necessary, use a soft piece of cleaning cloth to clean up the exterior of this device.
3. Dab a few drops of water onto the cleaning cloth and then use it to clean up the cooling panel.

※ Note: In case water is not an ideal cleaning agent, you may use a few drops of ethanol with a high concentration (up to 96%) to clean up the above component parts.



When discarding this device, do not mix it up with often-seen domestic wastes. Instead, be sure to hand it over to a designated recycling center for environmental protection purposes.

## ❖ FAQs and Solutions

This part summarizes the problems that may arise during the use of this device. Please contact the Customer Service Center in your country or region should the following information fail to help you solve the problem in question.

Problem	Possible Cause	Solution
Unable to switch on	The device is not connected to power	Properly connect the device to power
Unable to give out light	The head or body gets overheated, or the head fails to get in touch with skin	Wait for a short while for the device to cool down before resuming the use of it, and then press the head against your skin until the indicator light starts blinking
Indicator remains off	Faulty manufacture	Examine if the power supply is in service. Immediately repair or replace the device
Peculiar smell given forth during flashing	The optical filter is stained by hair leftovers	Wipe the optical filter to remove the hair leftovers, and reduce the intensity of light
Unbearable pains felt during hair removal	The hair in the target skin area has not been shaved off by the use of a razor	Shave off the hair in the target skin area before using this device. If the shaving causes any skin allergy, wait for the skin to heal up before resuming the use of this device with a comfortable intensity of light
	This device is not suitable for the target skin area	Do not use this product on the skin around the eyes, inner labia, vagina, anus, nipples, and breast areolas. Male users shall not use this product on scrotal skin
	The intensity of light is excessive	Reduce the intensity of light to a comfortable level
	The light outlet is damaged	Immediately repair or replace the device
Redness in the target skin area after hair removal	The Cooling Mode is not enabled	Enable the Cooling Mode (Summer Mode/Winter Mode)
	Slight redness is normal and not harmful to the body and will fade out quickly	Discontinue the use of this device for 48 hours until the symptom disappears. Consult the after-sales customer service for advice as to any questions

Problem	Possible Cause	Solution
Unsatisfactory hair-removing result	You have chosen an intensity of light which is not high enough for you	Choose a higher level when you use this device next time
	You may not achieve the best results if the areas you treat consecutively are not adjacent, as this would result in large areas being left untreated	You are advised to consecutively shed light on neighboring skin areas that overlap with each other to some extent
	This device has no effect designed for the color of your hair	The light will have no effect on light golden, gray, red, or white hair
	The frequency your use of this device is insufficient	We suggest you following our use advice so as to remove all the hair in the target skin area successfully
	Your response to light radiation is slow	The hair removal results can vary from person to person. You may extend the cycles of treatment based on your skin conditions
	This device gets moist and warm during its use	This is not unusual
Other problems (to be determined)	Self-protection in case of overheat	Place this device in a well-ventilated place to let it cool down
In case of exceptions or if you are unable to solve a problem, please contact the after-sales customer service in your language for help. Please keep your Payment Receipt and Warranty Card in a safe place as these documents are to be presented when you seek after-sales services due to any device breakdown.		



## ❖ Special Notes

JOVS is solely responsible for the amendment and interpretation of this Product Manual and uses its best endeavors to ensure the correctness and truthfulness of the content herein contained which have been checked carefully. To the extent allowed by the applicable law, JOVS reserves the right of final interpretation of this Product Manual in the event it contains any error or omission of printing. In the meantime, JOVS reserves the right to modify and/or improve this device and this Product Manual. The structure of this device is subject to changes with no prior notice. Certain drawings in this Product Manual are only for illustration and reference purposes. In case of any discrepancy between any of these drawings and this device in kind, the latter shall prevail.

## ❖ Checklist of Environmental Protection

Component Name	Names and Volumes of Toxic or Hazardous Substances or Elements Contained in this Device					
	Toxic or Hazardous Substances or Elements (BDEs)					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBBs)	Polybrominated diphenyl ethers (PBDEs)
Electronic part	X	○	○	○	○	○
Hardware part	○	○	○	○	○	○
Plastic part	○	○	○	○	○	○
Wrapping part	○	○	○	○	○	


This checklist is formulated in line with the stipulations set forth under the Standard SJ/T 11364.

○ : means that the volume of the concerned hazardous substance in all homogeneous materials contained in the relevant component part does not exceed the limit prescribed in the National Standard GB/T 26572-2011.

X : means that the volume of the concerned hazardous substance in at least one homogeneous material contained in the relevant component part exceeds the limit prescribed in the National Standard GB/T 26572-2011.

The "hazardous substance" and corresponding parts shown in the table will not have any harmful effects on the human body and the environment under the normal use. It is used to provide consumers and recycling practitioners with descriptions of related substances, which helps in the proper disposal of discarded products.

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Under those normal operating conditions which are set out in this Product Manual, the environment-friendly service life of this device lasts 10 years during which it can be used safely.



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