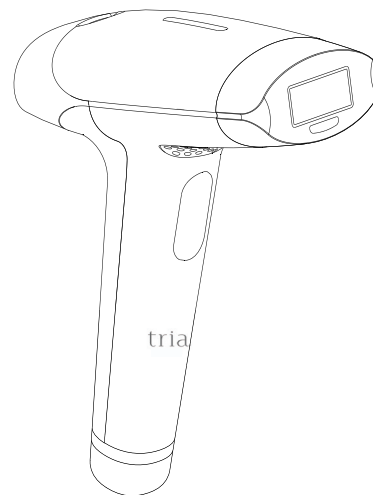


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User Manual

Device Name: Intense Pulsed Light (IPL) System
Model: T001A

Version: V1.3 Date: Aug. 20, 2023



Manufactured for Tria Beauty by

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1. Safety Instructions

Before using the Intense Pulsed Light (IPL) System for the first time, please read the user manual carefully.

Warning

- This device is not a toy, keep out of reach of children.
- Please check the device before you start using it. **DO NOT** use it if there is any damage.
- Keep the device and power adapter dry.
- Make sure the device operating voltage complies with the rated voltage of the power source.

Caution

The Intense Pulsed Light (IPL) System is an electrical device. As such, it should be used with special attention to safety. Please read all warnings before use, and strictly follow them when using the device.

Warning:

- The following persons should not use this device:
 - Pregnant or nursing women.
 - If your skin is sensitive to light and/or is prone to developing a rash or allergic reaction.
 - If you have type V or type VI skin (your skin rarely or never burns in the sun and/or tans profusely) because you run a high risk of developing skin reactions like hyperpigmentation and hypopigmentation, intense redness or burns.
 - If you have a history of skin diseases or are currently being treated for one.
 - If you have precancerous lesions or multiple birthmarks or moles on the area(s) you want to treat.
 - If the area you want to treat has an infection, burn, eczema, hair follicle inflammation, scratches, open wounds, herpes simplex, lacerations or hematomas.
 - If you have a history of collagen disorder, keloid scar formation and/or poor wound healing.
 - If you have a history of vascular diseases like varicose veins etc.
 - If you have diabetes, lupus erythematosus, porphyria, congestive heart disease and/or bleeding disorders.

- If you have a history of immunosuppressive disease (including HIV or AIDS).
- If you are undergoing or have received radiotherapy or chemotherapy within the last two months.

Warning

- **DO NOT** use this device on the following areas:
 - Areas with hyperpigmentation, hypopigmentation, intense redness, or burns
 - Areas where you have had surgery.
 - Around the eyes and eyebrows to avoid eye injury.
 - On the nipples, areolas, labia minora, vagina, anus, inside the nostril or ears. Men should not use this device on the scrotum or face.
 - Near silicone implants, pacemakers, subcutaneous injection ports (such as insulin dispensers), or body piercings. Any artificial surface should be avoided.
 - On moles, freckles, large veins, darker pigmented areas, scars, or skin abnormalities without doctor supervision.
 - On tattoos or permanent makeup, as it can cause burns to the skin and change its pigmentation.
 - On areas where you use long-lasting deodorants, as it may cause skin irritation.
 - Do not use this device on skin with sunburns, that has been recently tanned, or has a fake tan.
- **DO NOT** use this device if you take the following medications or treatments:
 - If your skin is being treated or has recently been treated with alpha-hydroxy acids (AHAs), beta -hydroxide acids (BHAs), topical isotretinoin, or azelaic acid.
 - If you have taken oral or topical Accutane or Roaccutane acid in the past six months. This treatment makes skin more susceptible to lacerations, trauma, and irritation.
 - If you are taking any kind of photosensitizing agent or medication. Always verify the patient package inserts for the medicine and do not use the device if it is specified that it can cause light allergy reactions, phototoxic reactions, or if you should avoid sun exposure while taking the medicine.
 - If you are taking anticoagulant medicines, including the use of large quantities of aspirin and cannot stop at least one week before each treatment.
- Immediately **STOP** using the device and consult a doctor if you feel any discomfort.
- Do not leave the equipment unattended when it is switched on, to avoid the risk of fire or burns.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities, or those with a lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the equipment

to avoid the risk of fire or burns.

- This equipment is not intended for use by children. Keep it away from children. This is not a toy. The charging cord could lead to strangulation.
- Water and electricity are a dangerous combination! To avoid risk of electrocution.
 - do not use this equipment in wet surroundings (e.g. in the bathroom or near a shower or swimming pool);
 - do not let water run into the device.
- Check to see if the voltage indicated on the equipment corresponds to the local mains voltage before plugging in the device, to avoid risk of electrocution or permanent damage to the equipment.
- If the wall socket used to power the equipment has poor connections, the plug of the equipment can become hot. Make sure you plug the equipment into a properly installed wall socket to avoid the risk of fire or burns.
- It is intended that the OPERATOR of the device can treat themselves.
- Do not service or perform maintenance on the device while it is in use.
- Do not place the device in a way that makes it difficult to disconnect the device.
- Preventive inspections and maintenance shall be performed periodically to ensure the continued safe use of the device.
- If the device has been stored at the minimum storage temperature between uses, then at least 10 minutes is required for the device to warm up, prior to use, if the ambient temperature is 20 °C (68°F).
- If the device has been stored at the maximum storage temperature between uses then at least 10 minutes is required for the device to cool, prior to use, if the ambient temperature is 20 °C (68°F).











Caution












- **DO NOT** touch any internal components of the device that might be exposed as a result of damage to the device in order to avoid electric shock.
- **DO NOT** insert any objects into the device.
- The adapter contains a transformer, **DO NOT** use a power supply other than the one provided, as it is dangerous.
- **DO NOT** use the device if the filter of the light exit window is damaged.
- Regularly clean the device surface to extend its lifetime.
- **DO NOT** attempt to disassemble, repair, or modify the device by yourself.
- **DO NOT** use this device in an environment with flammable materials, solutions, or gases or in an oxygen-rich environment, to avoid fire risk.
- To avoid eye discomfort when using this device, ensure you (and other people in the same room) do not look directly into the light exit window of the device.

ALWAYS use protective goggles (included) when using the device.

- **DO NOT** cover the device's vents during use.
- **DO NOT** wrap the cable of the power supply around the neck.
- **DO NOT** use any power adapter other than the one provided by the manufacturer.
- This device is for single patient use.
- **DO NOT** use the device after sunbathing.
- Please do a cutaneous sensitivity test and wait for 24 hours, if you are not sure whether your skin has been tanned or burned.
- Please unplug the adapter after Using.
- This warning list is not exhaustive. If you are not sure whether you can or cannot use this device, please consult a doctor.
- Do not subject the equipment to heavy shocks to avoid the risk of damage to the lamp.
- Always unplug the device after use and in event of a power failure, to avoid risk of damage to the equipment.
- Lint, dust, and light (including sunlight) can affect your device. Please avoid use or storage of your device in such environments.
- Please keep the device away from children and pets.

2. Symbols

	Alternating current		This way up
	Direct current		Date of manufacture
	CLASS II equipment		Temperature limit
	Caution		Humidity limitation
	Warning		Atmospheric pressure limitation

	Type BF applied part		Product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.
	Refer to instruction manual		This device has not been tested for use in an MR environment and should not be used exposed to MR environments while patients are wearing the device. Keep it outside the MRI scanner room.
	Manufacturer		Wear eye protection
	Serial number		Indicates a medical device that can be broken or damaged if not handled carefully.
	Indicates a medical device that needs protection from light sources.		Indicates a medical device that needs to be protected from moisture.
	Federal Communications Commission		

3. Device Description

The Intense Pulsed Light (IPL) System is a device for hair removal based on Intense Pulsed Light (IPL). The purpose of the IPL light is to heat the root where the hair grows. It works below the skin's surface. The device is powered solely by the external power adaptor and its IPL emission activation is controlled by pressing a switch.

The device is intended to be used for adults age 18 and over.

3.1. General Information

Device Name: Intense Pulsed Light (IPL) System
 Model: T001A

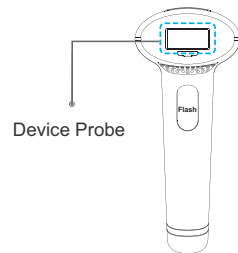
3.2. Indications for Use

The Intense Pulsed Light (IPL) System is an over-the-counter device intended for the removal of unwanted body hair.

3.3. Introduction of Device

3.3.1. Device Picture

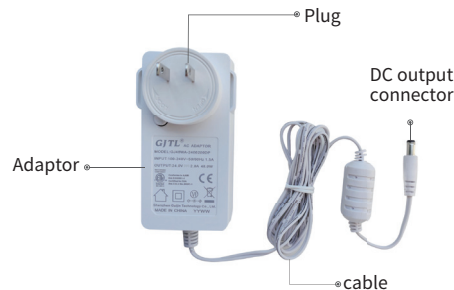
Main unit (picture 1):



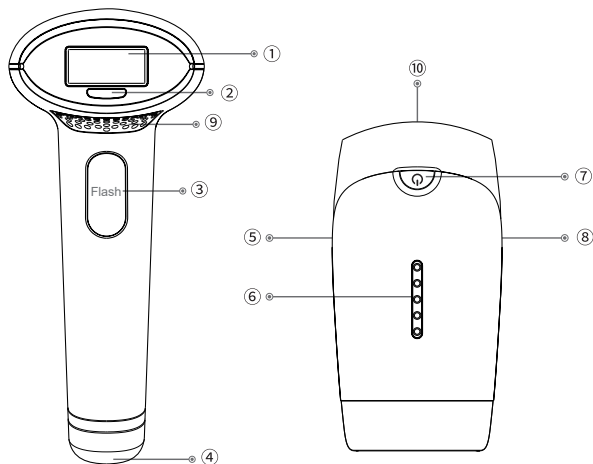
Goggles (picture 3):



Power Adaptor (picture 2):



3.3.2. Configuration of Main unit



- ① Light Exit Window (4cm²)
- ② Skin Color Recognition Window
- ③ Flash Button
- ④ DC Plug-in Port
- ⑤ Flash Ready Light

- ⑥ Intensity Level
- ⑦ On/Off/Level Adjustment button
- ⑧ Flash Ready Light
- ⑨ Air Vents (Air inlet)
- ⑩ Air Vents (Air outlet)

3.3.3. Introduction of Display Screen

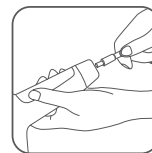
Status of Flash Ready Light	When	Graphical representation
Light on steady	<ol style="list-style-type: none"> 1. When in "Manual Emit Flash mode," this indicates that the device probe is not in full contact with the skin. 2. When in "Skin Color Recognition mode," this indicates that the device probe is not in full contact with the skin. 	
Light blinking	<ol style="list-style-type: none"> 1. When in "Manual Emit Flash mode," this indicates that the device probe is making full contact with the skin and device is ready to trigger a flash, but you have not pressed the Flash Button yet. 2. When in "Auto Emit Flash mode," this indicates that the device probe is not in full contact with the skin. 3. When in "Skin Color Recognition Mode," this indicates that the device is scanning the skin tone. 	

4. How to Use

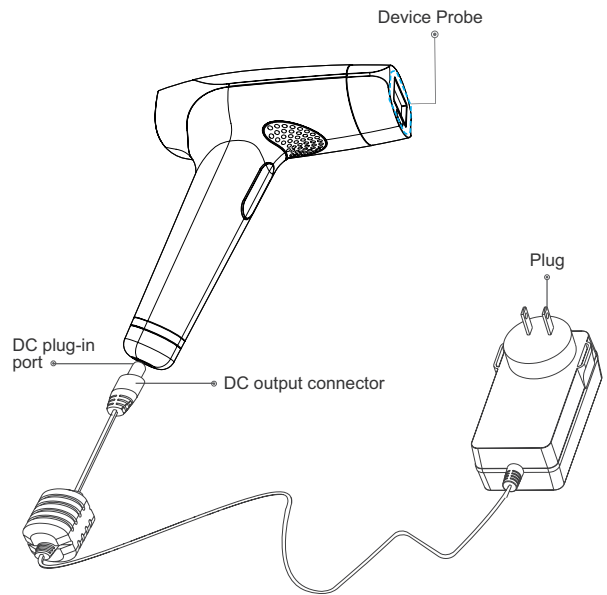
To ensure the correct operation of this device, please read the instructions carefully before use.

4.1. Device Operation Introduction

- **Preparation:** Connect power adaptor to the main unit as shown in picture 4:



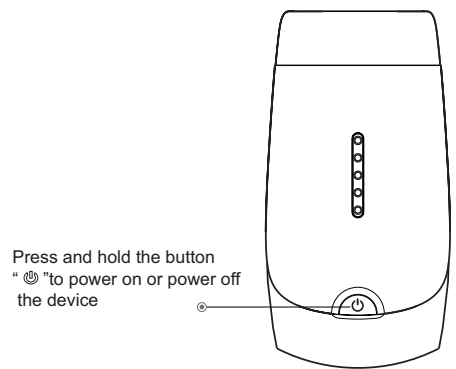
Picture 4:



After inserting the plug into a power socket, the device will enter its standby state and the intensity lights will light up for 1 second.

- **Powering On:** With the device in standby mode, press and hold the "On/Off/Level adjustment button" (power button icon) for about 2 seconds. The device will be power on. It will be at the first intensity level setting and will beep one time, at the same time the fan will begin working. (Picture 5)

Picture 5



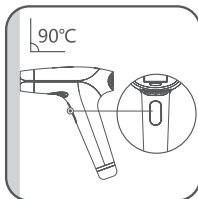
- **Powering Off:** Press and hold the "On/Off/Level adjustment button" (power button icon) for about 2 seconds. The Intensity Level Lights and the Flash Ready Light will go out and the device will enter its standby state. The fan will continue running for another 30 seconds after the device is powered off.
- **Intensity Level Adjustment:** With the device Powered On, press the "On/Off / Level adjustment button" (power button icon) to adjust the treatment intensity level. There are a total of 5 levels. Each press of the button will raise the intensity. If pressed while at the maximum intensity, the device returns to the lowest intensity. First-time users should start the first session at the lowest intensity level. You can gradually increase the intensity level. (Picture 6)


Level 1	Level 2	Level 3	Level 4	Level 5

• **Manual Emit Flash Mode:**

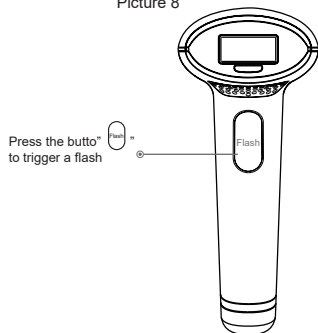
- (1) When the device is Powered On, it will automatically enter "Manual Emit Flash mode".
- (2) Put the device probe against the area to be treated and hold it firmly against the skin. (Picture 7)


Picture 7




- (3) When Flash Ready Light is light with blinking, press the Flash Button  to trigger a flash. (Picture 8)

Picture 8




Notes: 1) In "Manual Emit Flash mode", if the device probe is not in full contact with the skin, the Flash Ready Light will be on, but not blink, and the device will not emit the flash when the Flash Button  is pressed.

2) In "Manual Emit Flash mode", if the device probe is in full contact with the skin but the Flash Button  is not pressed, the Flash Ready Light will continue to blink.

3) If the Light Exit Window is close to the skin and does not move, and the flash is continuously exposed to the same area of skin for more than 8 seconds, the Flash Ready Light will be light stop blinking and the device will stop emitting the flash.

4) "Manual Emit Flash mode" is recommended for hair removal in smaller areas.

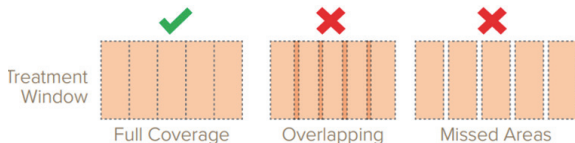
- **Auto Emit Flash Mode:** With the device in "Manual Emit Flash mode", press and hold the Flash Button  for about 2 seconds. The device will enter "Auto Emit Flash mode" and Flash Ready Light will start blinking. Press the device probe against the area to be treated and the device will emit the flash automatically, without pressing the Flash Button.

Device Parameters while in Auto Emit Flash mode

Level	1	2	3	4	5
Exposure time	8s	8s	8s	8s	8s
Quantity of pulses (times)	7±2	5±2	4±1	3±1	3±1
Energy density of each pulse (J/cm ²)	1.8±20%	2.5±20%	3.3±20%	4±20%	4.7±20%
Pulse duration of each flash	4-12ms	4-12ms	4-12ms	4-12ms	4-12ms
Interval time between flashes	0.5s-6s				

Notes: 1) In "Auto Emit Flash Mode", if the device probe is not in full contact with the skin, the Flash Ready Light will continue blinking and the device will not emit the flash.

- 2) Once the Light Exit Window is close to the skin, the flash is continuously triggered for 8 seconds, after which the Flash Ready Light will be blinking and device will stop emitting the flash. The Flash Ready Light will be off during these 8 seconds.
- 3) "Auto Emit Flash mode" is recommended for larger areas of hair removal.
- 4) Ensure that the ENTIRE AREA receives treatment, but DO NOT overlap treatment pulses.



• Skin Color Recognition Mode:

- 1) While the device is powered on and the exit window is away from the skin, press the "Flash Button" (⏏) and the "On/Off / Level adjustment button" (⏏) at the same time. If the Intensity Level Lights light up sequentially, the device has entered "Skin Color Recognition mode".
- 2) Press the device probe against the area to be treated and the Intense Pulsed Light System will detect the skin color and adjust the output intensity automatically. It will then emit the flash automatically, without pressing the Flash Button. The Flash Ready Light will be off while the device is flashing.
- 3) In "Skin Color Recognition Mode", every time the light exit window is moved, the Intense Pulsed Light System will re-detect the skin color and adjust the output intensity.

Notes:

- 1) In "Skin Color Recognition Mode", if the device probe is not in full contact with the skin, the device does not emit the flash.
- 2) In "Skin Color Recognition Mode" is recommended for larger areas of hair removal.
- 3) In "Skin Color Recognition Mode", the device's skin sensor automatically detects skin tone for your protection. If your skin tone is not listed in the tone table as suitable for treatment, the device must not be used. You need to identify your skin tone before treatment according to the skin tone table in section 4.3 and confirm whether the product is applicable to you.

- **Mode switch:** If the device is on and in "Manual Emit Flash mode", press and hold the Flash Button (⏏) for about 2 seconds. The device will enter "Auto Emit Flash mode" and Flash Ready Light will start blinking. Once in "Auto Emit Flash mode," press and hold the Flash Button (⏏) for about 2 seconds again remove to switch back to "Manual Emit Flash mode." Once done, the Flash Ready Light will stop blinking unless it is ready to fire.

- **Mode switch:** If the device is in either of the above modes, move the device away from the skin and press the "Flash Button" (⏏) and the "On/Off/Level adjustment button" (⏏) at the same time. If the Intensity Level Lights light up sequentially, the device has entered "Skin Color Recognition mode". If the Intensity Level Lights display a particular intensity level consistently, then the device has exited Skin Color Recognition Mode.

4.2. Skin Test Patch

※For first-time users, we recommend that you to test the device on the arm for reactions with following skin test patch:

- a. Turn on the device, select the intensity level 1, press the device probe against the skin, and trigger one flash.
 - b. Wait for 24 hours and then check the skin for any reaction such as discomfort or pain.
 - c. If your patch test area skin is normal (no discomfort or pain), you can continue to use it. If it is abnormal, please stop using it.
 - d. Increase the intensity by one level and repeat the test in a slightly different spot (do not trigger the flash multiple times on the same area).
 - e. Repeat steps a) to d) to test each intensity level. Stop increasing the intensity level and stop the testing when the device causes any discomfort (or pain).
- Example:** You can increase the intensity to level 2 and test it according to above steps a) to c) only when the device does not cause any discomfort (or pain) at level 1.

※After completing the test, choose only intensity levels that did not cause a reaction on your skin.

※Wait for 24h after each patch test to verify if your skin has an adverse reaction to the treatment. If there is no visible reaction, you can use the device.

4.3. Suggestions for Use

※If you have recently removed hairs by using a long-lasting removing method, such as plucking, waxing, etc., wait until hairs start growing again before using the device.

- **Treatment areas**

Suitable for smaller areas such as underarms and larger areas such as arms and legs. Women can treat facial hair up to the top of the cheekbone, avoiding the eye and eyebrow areas. Men can treat up to the top of the shoulder.

- **Treatment time**

Because of the natural hair growth cycle, it is recommended to use the IPL Hair Removal Device once every two weeks for the first 3-4 treatments and gradually reduce the use based on the desired and observed status of hair regrowth.

- **Skin tone/hair color reference chart**



Please refer to the chart below before you start using the device to determine if your skin tone and hair color are suitable for use ("✓" means the device is suitable for you; "X" means the device is not suitable for you).





Darker skin tones absorb more light, which can cause skin irritation more readily. Therefore, persons with darker skin tones are recommended to use a lower intensity setting for the flash. For brown skin tone, please start from the lowest energy setting and adjust the energy setting according to your pain sensation.

SKIN Tone:

The product is suitable for skin tones of Type I to Type IV. Please identify your skin tone and check the following table to see whether the product is applicable.

Skin tone table:

Skin type/tone*	Tone	Safety grade
Type I Pale white		Applicable
Type II White to light beige		Applicable

Type III Beige		Applicable
Type IV Light brown		Applicable
Type V Moderate brown		Not Applicable
Type VI Dark brown or black		Not Applicable

*Skin type/tone descriptions source: <https://www.fda.gov/radiation-emitting-products/tanning/your-skin>

HAIR COLOUR:

Tria IPL is suitable for use on naturally black or brown hair. It may not be as effective on white, grey, blond or red hair.



4.4. Steps for Use

- Before you start using the device, use a razor or trimmer to shave all hair on the surface of the skin, but do not pluck or use chemical hair removal products (figure 9) Completely dry the skin and remove any oily substances (such as body fragrance, lotion, perfume, sunscreen, or other cosmetics).

Figure 9




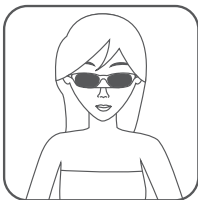
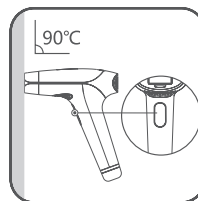
- Connect the power adaptor and the main unit and then plug the power adaptor into a power socket.
- Press and hold the "On/Off/Level adjustment button"  to turn on the device.
- Select the appropriate flash intensity for your skin tone and hair color (for first-time users, use the lowest light intensity recommended and adjust it gradually).
- Wear protective goggles to avoid looking into the light (figure 10).

Figure 10



- Press the device probe against the skin, ensuring that the device probe is fully in contact with the skin (Figure 11). Wait for a few seconds and when the Flash Ready Light starts blinking, press the Flash Button to trigger the flash. You will feel a slight burning sensation (IPL energy is being absorbed). If you want to reduce the burning sensation, adjust the intensity level.

Figure 11



- After use, turn off the device, unplug the power adaptor, and clean the device.
- Note:
1. The device is equipped with a fan in the main unit which is used to cool the internal parts of the main unit during device use. When the device is powered on, the fan can be heard as it begins working. It will remain on constantly, until 30 seconds after device has been powered off.
 2. Clean the device according to chapter 6 of this manual, only after unplugging the power adaptor and waiting 20 minutes.
 3. After cleaning, put the device and adaptor back into the box it came in and store it according to specified storage conditions.

Caution

1. After using the device, **DO NOT** apply any fragrant skincare or cosmetic product on your skin.
2. **DO NOT** use deodorant immediately after using the device on the armpits. Wait until your skin's redness completely disappears to start using deodorant.
3. After each treatment, make sure your skin does not show any signs of redness after 24 hours.
4. Keep the treated area covered and away from direct sunlight for two weeks after the treatment or use sunscreen (SPF30+) on the treated area.

5. Rare Side Effects

• Burns, abnormal redness, and swelling

These reactions are very rare. They may be caused by using a high flash intensity. If these adverse reactions continue for 3 days or more, immediately consult a doctor. Only start the next treatment if the skin is clear of any problems and ensure you use a lower flash intensity.

• Skin discoloration

This is normal but very rare. When using the device, the skin may suffer from discoloration. This may happen because you are using a high-intensity flash. When the discoloration disappears, reduce the flash intensity during the next treatments. If the skin discoloration does not disappear after two weeks, please consult a doctor.

• Skin infections and inflammation

These are rare. If the device is used in existing wounds and cuts (might happen when shaving the area) it can cause the aforementioned side effects.

• Possible causes of excessive pain during and after the treatment

If you used the device on an area that was not shaved before you started the treatment, the flash intensity is too high for your skin tone and hair color, you used the device in the same exact area more than once, you used the device on an open wound, the area you are treating has any sort of inflammation or infection, or you are using the device in areas with tattoos or sunburns, excessive pain during and after the treatment could result.

6. Cleaning & Maintenance

6.1. Cleaning

After each use, clean this device using the following tips:

Purpose: This device is intended to be used multiple times by the same user to remove unwanted hair. The device's surface can be contaminated during use with organic soil and microorganisms carried by human hands. You may clean the device after 20 minutes cooling down after each use.

Cleaning Agent: 70% isopropyl alcohol wipe.

Method of Cleaning: To thoroughly clean the device after each use, rub the device, the shell, and the button by hand with 70% isopropyl alcohol wipes for 15s and Light Exit Window for 3s. Do not use undue pressure.

Note:

1. Ensure that no liquid enter the interior of the device.
2. NEVER use abrasive cleaning agents, thinners, or benzene for cleaning.
3. NEVER immerse the instrument in water or other cleaning liquids.
4. Wait 10 minutes after cleaning, to allow the device to air-dry.

Visual Inspection: After cleaning, there should be no visible blotches or soil stains on the device under nature light. If there are still blotches and/or soil stains, repeat the cleaning steps mentioned above until there are no visible blotches or soil stains.

Dispose of the device if there is corrosion, discoloration, pitting, cracked seals, or damage to the Light Exit Window after cleaning. Enquire about the options for environmentally-friendly and appropriate disposal. Take local regulations into account.

Expected Life: 400,000 flashes

6.2. Maintenance

- The Light Exit Window is very delicate. It is very important to protect the Light Exit Window from dirt and damage. Do not touch it or use tools to press it. It must be carefully protected.
- This device is not waterproof. **DO NOT** immerse it or wash it under running water.
- **DO NOT** use steel wool, abrasive cleanser, chemicals, or corrosive liquids to clean the device.

7. Storage

DO NOT place or store the device for long periods in a hot or humid environment. Store this device in following conditions:

Storage environment	Temperature: -20 ~ 55°C (-4 ~ 131°F) Relative humidity: 5 ~ 95%, without condensation Atmospheric Pressure: 70 kPa ~ 106 kPa
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8. Recycling



At the end of its life, do not dispose of this device with household waste. Please take this device to a local recycling point for proper disposal. Proper disposal and recycling practices contribute to environmental protection.

9. Warranty & Support

• Troubleshooting

Problem	Possible Cause	Solution
Indication light is off	The power cable is not properly connected.	Check the connection of the power supply and adjust the cable.
	"On/Off/Level adjustment button" was pressed, but not held, and it failed to turn on the device.	Press and hold the "On/Off/Level adjustment button" for about 2 seconds to turn on the device.
The device does not emit the flash	The power cable is not correctly connected.	Check the connection of the power supply and adjust the cable.
	The device probe is not close enough to the skin.	Re-adjust the position of the device probe on your skin until the Flash Ready Light starts blinking.

During use, the device enters standby mode.	The device powers off automatically if no light is emitted after 5 minutes.	Press and hold the "On/Off/Level adjustment button" for about 2 seconds to turn on the device.
The device produces an odd smell	The light exit window filter is dirty	Carefully clean the light exit window filter with a 70% isopropyl alcohol wipe.
	Hairs were not properly removed before the treatment. The flash burns the hair causing an odd smell.	Before you start using the device, shave to remove the hairs from the skin area you wish to treat.
You feel pain when using the device.	The flash intensity is too high.	Verify the flash intensity and reduce it
	The filter of the light exit window is damaged.	Please stop using the device and contact Tria Beauty Customer Services for assistance.
	You are using the device in a non-applicable area.	Please read the instruction manual, Warnings and prohibited use are mentioned.
After using the device, the treated area shows signs of redness.	Mild redness is a normal and harmless reaction to hair removal.	Do not take any action, this is a normal reaction.

The treatment results are not as expected.	The flash intensity used is too low.	Next treatment, adjust the flash intensity
	The frequency of use is lower than recommended.	To keep the skin smooth and hair-free, is recommended to use the device once every two weeks. Treatment intervals depend on each person's hair growth cycle. Do not use the device more than once every two weeks. Overusing the device increases the risk of adverse skin reactions.
The treatment results are not satisfactory.	Your skin tone or hair color are not suitable for use with this device.	If your hair is blond, red, gray, or white, or if your skin tone is very dark, do not use this device.
Other problems.		Contact your local dealer.
Note: If the device still does not work properly after using the above solutions, please stop using the device and contact Tria Beauty Customer Services.		

• After-Sales Service

Please contact Tria Beauty, email: customercare@triabeauty.com.

- **Manufacturer:** Shenzhen Fansizhe Science And Technology Co., Ltd.
- **Manufacturer's address and contact details:** 2nd, 3rd, and 4th floors, No.11, Henggangxia Industrial Zone, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China. (Zip code 518125)

The MANUFACTURER will make available on request circuit diagrams, component part lists, descriptions, calibration instructions, or other information that will assist SERVICE PERSONNEL to repair those parts of ME EQUIPMENT that are designated by the MANUFACTURER as repairable by SERVICE PERSONNEL.

10. Packing List

Main unit	1PC	Power adaptor	1PC
Instruction book	1PC	Safety goggles	1PC

11. Specification Parameters

Device Name	Intense Pulsed Light (IPL) System
Model	T001A
Dimension	182×78×151mm
Risk group	Exempt Group
Irradiation area	Light outlet: 4.0cm ²
Adaptor Input	100-240 Vac, 50/60Hz, 1.5 A
IPL main part input	24 Vdc, 2.0 A
Wavelength	510 ~ 1200nm
Max. Fluence	4.7J/cm ²
Pulse duration	4 ~ 12ms
Output energy	7.3J~18.6J
Service life	400,000 flashes
Service life for power adapter	10 years
Service life for goggles	3 years
Weight	338.5g
Operating environment	Temperature: 5 ~ 30°C Relative humidity: 20 ~ 90%, without condensation Atmospheric Pressure: 70 kPa ~ 106 kPa

Storage and transportation environment	Temperature: -20 ~ 55°C Relative humidity: 5 ~ 95%, without condensation Atmospheric Pressure: 70 kPa ~ 106 kPa
Warranty period	One year warranty for main unit
Applied part	Type BF
Software version	T001A-V1.0
No Sterilize requirement	
Not category AP / APG equipment	
Mode of operation: continuous	

Adaptor Technical specifications:

Item	Parameters
Model of adaptor	GJ48WA-2400200DP
Manufacturer of adaptor	Shenzhen Guijin Technology Co., Ltd
Input Voltage	100Vac~240Vac
Input Frequency	50Hz/60Hz
Service life for power adapte	10 years
Output voltage range	22.8 ~ 25.2Vdc
Output current range	0 ~ 2A
output power	≤48W
output over voltage	≤ 170% of output voltage
current-limiting protection	4.5-7.5A

12. Frequently Asked Questions

Q: Why does the device power off automatically during use?

A: The device will power off automatically when the internal temperature of the

device is too high. Please restart device after 10 minutes.

Q: Must I shave my hair before each use?

A: No. But you are advised to shave the hair when it is longer than 5mm.

Q: Why is my hair still growing after a few treatments? Why is it not falling out immediately after treatment?

A: The Intense Pulsed Light (IPL) System is a home IPL hair removal device which applies very gentle pulses of light to the hair root. It works step-by-step, gradually. Initially, the hair will go into its dormant phase, after which the hair falls out and gradually your body grows less hair in that area. . Eventually, your hair will stop growing, however, this can take time.

It is a permanent hair remover. Hair cannot be removed permanently until you have used the device for a course over treatments, but results can vary from person to person. It can only repress hair growth and slow down hair growing speed at the beginning. The hair follicle will be disabled with a course of treatments of once every two weeks for 90 days or more. at least once every two weeks for the first 3-4 times treatments. Thus, permanent hair removal effect is achieved.

Q: Why didn't I achieve the same effect as others who have used the device. Why did I see no effect at all?

A: People have different physiologies and differences in hair thickness and other factors can affect the treatment cycle. The 2-week cycle is an average value; the specific time for an individual may be slightly different.

Q: Which level is suitable?

A: There is no unified standard of suitable levels; it all depends on your skin tolerance. The darker the skin color, the lower the level that should be used. When initially choosing the suitable level, it is important to start from the lowest one. The higher the level is, the more obvious the treatment effect is and the shorter the treatment time will be. Conversely, if you use a low level, the treatment time will be extended accordingly. It is recommended to do local skin tests on the treated skin part before each hair removal and then start treatment on large skin areas afterwards, making sure that no skin discomfort occurs on the second day.

Q: Will it hurt?

A: During the hair removal process, light waves will generate heat when they encounter hair melanin, causing slight pain. Due to the different skin sensitivity

and pain tolerance of different individuals, the actual feelings are different. It is recommended to increase the level slowly, starting from the lowest one, according to your actual situation.

Q:How should I shave? What kind of hair should be shaved off?

A: Generally speaking, you should shave hair in the armpit, the bikini area, and the legs before use. The following method makes shaving easier:

1. Use shaving cream or mild shower gel to lubricate the area to be shaved.
2. Or, apply a hot towel on the area to be shaved for a few minutes, and gently shave the hair immediately after removing the towel.

Q: Why is there a smell of scorched hair after use?

A: That's because the hair is not completely shaved. The device produces light waves which will generate heat when they encounter melanin. This can cause the smell of scorched hair. This is normal.

Q: I want to remove my hair quickly. Can I use the device every day?

A: It is not advised to use the device every day. Hair has a growth cycle. Treat with the device once every 2 weeks for 90 day treatments and gradually decrease the frequency of use after the hair growth slows down.

13. Important Information Regarding Electro Magnetic Compatibility (EMC)

⚠ Warning: Using cell phones, a microwave oven, HF surgical equipment, magnetic resonance imaging or other radio radiant equipment near this device may cause malfunction or lead to loss of essential performance.

⚠ Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

⚠ Warning: Use of an adapter other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

⚠ Warning: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of Intense Pulsed Light (IPL) System, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Table 1

Guidance and Manufacturer's declaration – electromagnetic emission		
The device is intended for use in the electromagnetic environment specified below. The user of the device should ensure that it is used in such an environment.		
Emission test	Compliance	Electromagnetic environment – guidance
Conducted and Radiated RF emissions CISPR 11	Group 1 Class B	The device uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
Conducted RF emissions CISPR 11	Group 1 Class B	The device is suitable for use in all establishments, including domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes except for near active HF surgical equipment and the RF shielded room for magnetic resonance imaging.
Radiated RF emissions CISPR 11	Group 1 Class B	
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations and flicker emissions IEC 61000-3-3	Applicable	

Table 2

Guidance and Manufacturer's declaration – electromagnetic immunity
The device is intended for use in the electromagnetic environment specified below. The user of the device should ensure that it is used in such an environment

Immunity test	IEC 60601-1-2 test level	Compliance level	Electromagnetic environment-guidance
Electrostatic discharge IEC 61000-4-2	±8kV contact; ±2kV, ±4kV, ±8kV, ±15 kV air	±8kV contact; ±2kV, ±4kV, ±8kV, ±15kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Radiated RF EM fields IEC 61000-4-3	3V/m (Professional healthcare facility environment); 10V/m (Home healthcare environment), 80MHz – 2.7GHz 80% AM at 1kHz	10V/m (Home healthcare environment) 80MHz – 2.7GHz 80% AM at 1kHz	
Electrical fast transients/bursts IEC 61000-4-4	±2kV AC power supply lines; ±1kV DC power/ Signal lines. 100 kHz repetition frequency	±2kV AC power supply lines;	Mains power quality should be that of a HOME HEALTHCARE ENVIRONMENT or a Professional healthcare facility environment.
Surges IEC 61000-4-5	±0.5kV, ±1kV lines to lines; ±0.5kV, ±1kV, ±2kV lines to earth	±0.5kV, ±1kV lines to lines;	Mains power quality should be that of a HOME HEALTHCARE ENVIRONMENT or a Professional healthcare facility environment.

Conducted disturbances induced by RF fields IEC 61000-4-6	3V 0.15MHz – 80MHz, 6V in ISM bands between 0.15MHz and 80MHz (Professional healthcare facility environment), 6V in ISM and amateur radio bands between	Applicable	
Note: The ISM (industrial, scientific and medical) bands between 0,15 MHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MHz and 80 MHz are 1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHz, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.			
Rated power frequency magnetic fields IEC 61000-4-8	30A/m 50Hz or 60Hz	30A/m 50Hz	Power frequency magnetic fields should be at levels characteristic of a HOME HEALTHCARE ENVIRONMENT or a Professional healthcare facility environment.

Voltage dips IEC 61000-4-11	0% UT, 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°; 0% UT, 1 cycle and 70% UT, 25/30 cycle Single phase: at 0°	Applicable	Mains power quality should be that of a HOME HEALTHCARE ENVIRONMENT or a Professional healthcare facility environment...
Voltage interruptions IEC 61000-4-11	0% UT, 250/300 cycle	Applicable	
NOTE: UT is the a.c. mains voltage prior to application of the test level. E.g.: 25/30 means 25 periods at 50 Hz or 30 periods at 60 Hz.			

Table 3

Guidance and Manufacturer's declaration – electromagnetic immunity			
The device is intended for use in the electromagnetic environment specified below. The user of the device should ensure that it is used in such an environment.			
Immunity test	IEC 60601-1-2 test level	Compliance level	Electromagnetic environment - guidance
Proximity fields from RF wireless communications equipment IEC 61000-4-3	See the following table	Complies	

Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment

Test frequency (MHz)	Band ^{a)} (MHz)	Service ^{a)}	Modulation ^{b)}	Maximum power (W)	Distance (m)	Immunity Test Level (V/m)
385	380 – 390	TETRA 400	Pulse modulation ^{b)} 18 Hz	1,8	0,3	27
450	430 – 470	GMRS 460, FRS 460	FM ^{c)} ± 5 kHz deviation 1 kHz sine	2	0,3	28
710	704 – 787	LTE Band 13, 17	Pulse modulation ^{b)} 217 Hz	0,2	0,3	9
745						
780						
810	800 – 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation ^{b)} 18 Hz	2	0,3	28
870						
930						
1720	1700 – 1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation ^{b)} 217 Hz	2	0,3	28
1845						
1970						
2450	2400 – 2570	Bluetooth, WLAN, 802.11 b/ g/n, RFID 2450, LTE Band 7	Pulse modulation ^{b)} 217 Hz	2	0,3	28
5240	5100 – 5800	WLAN 802.11 a/n	Pulse modulation ^{b)} 217 Hz	0,2	0,3	9
5500						
5785						

NOTE If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.

- For some services, only the uplink frequencies are included.
- The carrier shall be modulated using a 50 % duty cycle square wave signal.
- As an alternative to FM modulation, 50 % pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be the worst case.

Table 4

Recommended separation distances between portable and mobile RF communication equipment and The device

The device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the devices can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the device as

Rated maximum output power of transmitter/ W.	Separation distance according to frequency of transmitter/m		
	150kHz ~ 80MHz $d = 1.2\sqrt{P}$	80MHz ~ 800MHz $d = 1.2\sqrt{P}$	800MHz ~ 2.5GHz $d = 2.3\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	12

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts(W) according to the transmitter manufacturer.

NOTE 1 At 80MHz and 800MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Operation Record

Operation site: _____ Level: _____

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Operation Record

Operation site: _____ Level: _____

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Operation Record

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Operation Record

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