

100g书写纸
80*130mm
钉装-盐雾钉
此段话不印刷

MLAY

IPL Hair Removal Device

T18B

User manual

User Manual

IPL Hair Removal Device

Applicable Model: T18B

The IPL Hair Removal Device is an over-the-counter device indicated for the removal of unwanted hair, such as but not limited to small areas (e.g., underarm and facial hair below the chin line) and large areas (e.g., legs). The device is also indicated for the permanent reduction in hair regrowth, defined as the long-term, stable reduction in the amount of hair regrowth when measured at 6, 9, and 12 months after the completion of a treatment regime.

0 Welcome

Thanks for choosing IPL Hair Removal Device manufactured by Shenzhen Mlay Intelligent Technology Co., Ltd. In order to get better effect for IPL Hair Removal Device, we suggest you:

- Please read through the User Manual before using and keep this User Manual.
- If you have any problems using the device please call 400-666-9152.

Notice:

- This user manual guides you on how to use IPL Hair Removal Device.
- We follow a sustainable development strategy. So we reserve the right that we will not to notify customers when we change product functions, interface and appearance.
- If there is a difference between description and actual product due to upgrade, please refer to actual product.
- Please use device according to correct operation steps and treatment settings.

Software release version and date: V1.0, March 26, 2024

User manual release version and date: V1.0, Oct. 10, 2024

Contents

0 Welcome	0
1 Safety Precautions	1
1.1 Warnings	1
1.2 Precautions	3
1.3 Contraindications	6
1.4 EMC Statements	7
2 Introduction	8
2.1 Packing List	8
2.2 Product Components Diagram	9
3 How It Works	11
3.1 How Does IPL Work	11
3.2 What To Expect	11
4 How To Use	11
4.1 Device Set-up	12
4.2 Preparing Yourself	12
4.3 Skin Sensitivity Test	13
4.4 Recommended Treatment Protocol	13
4.5 Getting Started	14
4.6 ERROR reminder function	16
5 Aftercare	16
5.1 Possible Side Effects	16
5.2 Side Effect Table	16
5.3 Cleaning, inspection, maintenance & storage	16
5.4 Trouble Shooting	17
6 Information	18
6.1 Technical Specifications	18
6.2 Disposal	19
6.3 Disclaimer	19
6.4 Warranty	20
6.5 Support	21
7 Relevant Symbol, Explanation and Marking	21
Annex I : Manufacturer's EMC Statement	22

1. Safety Precautions

Please first read these safety precautions carefully and then follow the user manual for operation. These safety precautions are intended to ensure the product is used correctly and safely, to prevent personal injury or property damage to users and others, and please make sure to follow them.

1.1 Warnings

- The IPL Hair Removal Device shall not be serviced or maintained while in use with a PATIENT. The PATIENT is an intended LAY OPERATOR.
- The isolated power supply is considered part of the device.
- Hair removal by lasers or intense pulse light sources can cause increased hair growth in some individuals. Based upon currently available data, the highest risk groups for this response are females of Mediterranean, Middle Eastern, and South Asian heritage treated on the face and neck. This group should be careful.
- DO NOT expose treated areas to the sun. Wait at least 24 hours after treatment before you expose treated skin to the sun or tan with artificial light. Even after 24 hours, make sure that the treated skin is not red from the treatment before you expose it to the sun. Be sure to carefully protect the treated skin with sunscreen throughout the hair removal period. Failure to follow this warning could result in skin swelling, blisters, or permanent skin discoloration or skin whitening.
- DO NOT continue with the treatment if the treated area feels very hot, very sensitive or burns. Such use can result in burns or other skin injury. Stop treatment and contact customer service.
- DO NOT use if you have received radiation therapy or chemotherapy treatments within the past 3 months.
- DO NOT use if you have a history of skin cancer or areas of potential skin malignancies.
- DO NOT use if you have a disease related to photosensitivity, such as porphyria, polymorphic light eruption, solar urticaria, lupus, etc.
- DO NOT use if you have an active implant, such as a pacemaker, incontinence device, insulin pump, etc.
- DO NOT use if you have a history of herpes outbreaks in the area of treatment.
- If your skin blisters or burns, STOP USE IMMEDIATELY! Continued use can result in burns or other skin injury.
- The device should not be used on the face above the cheek line: around

the eyes, eyebrows, or eyelashes, as this could cause serious eye damage.

- Since the device is powered by the external power adapter, do not use the device far away from the electrical outlet.
- Do not use the device together with electronic devices such as cell phones, electrosurgical devices, or MRI machines. Otherwise, it may affect the performance of the device or cause electric shock to the patient.
- The applied part (AP) of the device is treatment window. In the process of use, the temperature of the AP may reach up to 45 °C. The operator can control the temperature by limiting the contact time, which is recommended to be less than one minute per session.
- Keep out of the reach of children under 18 years of age.
- If the power cable of the adapter becomes tangled, it may lead to strangulation, especially with excessive cable length.
- Do not treat exactly the same area multiple times during one session to avoid skin redness.
- 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 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. Children should be supervised to ensure that they do not play with the equipment to avoid the risk of fire and burns.
- If the mains cord is damaged, you shall have it replaced by a service Centre authorized by Shenzhen Mlay Intelligent Technology Co., Ltd. or similarly qualified persons in order to avoid risk of electrocution.
- Manufacturer will provide circuit diagrams, component part lists, descriptions, calibration instructions to assist to service personnel with parts repair.
- 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 appliance.
- Check if the voltage indicated on the equipment corresponds to the local mains voltage before you connect the equipment 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 becomes hot. Make sure you plug the equipment into a properly installed wall socket to avoid the risk of fire and burns.

• The lay operator or lay responsible organization should contact the manufacturer or manufacturer's representative:

-for assistance, if needed, in setting up, using or maintaining the IPL Hair Removal Device, or

-to report unexpected operation or events.

1.2 Precautions

• It is recommended to use this device in a well-lit indoor environment to avoid affecting the operation of the device.

• When the IPL Hair Removal Device is removed from the maximum or the minimum storage temperature to a room temperature (20 °C), the IPL Hair Removal Device is expected to take five minutes to be ready.

• When the treatment window is closely and correctly fitted to the skin area but the device does not respond, restart the device. If the problem persists after restarting, the built-in skin sensor may be loose or damaged; if so, contact customer service.

• During the operation, do not shield the air intake and ventilation holes to impact heat dissipation.

• Do not throw away the device with the normal household waste at the end of its life, but hand it in at an official collection point for recycling in accordance with the regulations in force in your city or county. By doing this, you help to preserve the environment.

• Do not subject the equipment to heavy shocks to avoid risk of damage to the lamp;

• Always unplug the appliance after use and in case of a power failure to avoid risk of damage to the equipment.

• Keep the skin of the treated area clean, dry and free of any cosmetic residues before each operation.

• During the treatment, the flash button can only be triggered when the treatment window is in good and correct contact with your skin. If the

above specified conditions are not met and the flash button can be triggered, please turn off the device immediately and contact our customer service.

• The treatment level of the device will be initially set to Level 1. Adjust the energy level from low to high Please follow the recommended level protocol provided in the manual to choose the level suitable for your skin. After treatment, it is normal to have skin redness, it is recommended to use ice pad after treatment.

• It is recommended to clean the treatment window after every session by using a clean cloth or cotton swab to gently wipe. This helps prevent hair and sebum from sticking to the glass, which may reduce the effectiveness of the light pulses.

• If necessary, only use a dry clean cloth to gently wipe the outer shell of the device. Never immerse the device or any of its parts in water and do not rinse it under the tap.

• Do not use the device in wet surroundings (such as near bathtubs, showers, basins or other vessels containing water). If the device becomes wet, it is prohibited to be used.

• Please store the device and its accessories in a ventilated, dry environment, and keep them dry and far away from pets, pests, children, lint, dust, light (including sunlight), etc.

• Please do not put metal objects into heat emission hole. Otherwise, there will be risk of electric shock.

• If the device is soaked, please send it back to the factory for examination to determine whether it is repairable. If the device is electrified when it is soaked, please power off before touching the device for your safety;

• DO NOT disassemble, repair, or modify the device without authorization. If device cannot be operated normally, please send the device and accessories back to the manufacturer. Our qualified maintenance personnel will overhaul it.

• This device does not require special skills, training, or knowledge from the operator or responsible organization, and there are no environmental restrictions on its location of use.

• People with reduced physical, sensory or mental capabilities or lack of experience and knowledge, may use the device if they have been given supervision or instruction concerning the safe use of the device and understand the hazards involved.

• Regularly inspect the treatment window for damage: Do not use if the glass filter is cracked or missing. Do not use if the built-in reflector is

missing or not in correct place.

- Precautions to be taken in the event of changes in the performance of the device.
- Precautions to be taken regarding the exposure of the device to reasonably foreseeable environmental conditions (e.g. to external electrical influences, electrostatic discharge, pressure or variations in pressure, acceleration, thermal ignition sources).
- Instructions for installation, maintenance, pre-use checks and safe use, including clear warnings concerning precautions to avoid possible exposure to HAZARDOUS radiation or risk of fire.
- When the device emits UV-A, UV-B or UV-C, users should be warned that exposure may pose a potential carcinogenic risk.
- To minimize visual disturbances to personnel, increase ambient light, apply spot lighting to the target area, and use protective eyewear.
- Eye safety:

IPL Hair Removal Device emits flashes of Intense Pulsed Light. Though the Device has been tested and passed the international standards to ensure that its output is safe for your eyes, direct exposure is still potentially harmful to your eyes. The Device can only be flashed (light emitted) if both skin sensors (inside the treatment window) detect a valid skin reading. However:

- DO NOT look directly into the treatment window of the Device when it has electrical power and is switched on.
- DO NOT attempt to flash (emit light) the Device towards the eyes.
- DO NOT treat area around the eyes (eyebrows or eyelashes)
- ONLY attempt to flash the Device when the treatment window is in good contact with the area you wish to treat.
- We recommend that you look away from the device when it is emitting light onto your skin.
- WE RECOMMEND that you use protective glasses that comply with ISO 12609 when operating the device.

1.3 Contraindications

- DO NOT use if you are under the age of 18. The effects of using the system in this age group are unknown.
- DO NOT use if the skin, in the area you want to treat, is tanned or burned. Use of the device on tanned or burned skin may result in temporary or even permanent whitening or darkening for the skin.
- DO NOT use if you are pregnant, trying to become pregnant (conceiving) or breast-feeding. Hormonal changes occur during pregnancy or breast-feeding and could increase the risk of skin injury or skin sensitivity.
- DO NOT use if you have epilepsy or light-induced seizures or migraines. The energy flashes might cause severe headaches and migraines.
- DO NOT use on tattoos, dark brown or black spots (such as dark freckles, birthmarks, moles or warts). Tattoos or dark spots may absorb too much light energy which could cause skin swelling, temporary or permanent blisters or discoloration of the skin or whitening of the skin
- DO NOT use on the head, ears, necks, nipples, genitalia, or around the anus. Use in these areas could cause skin swelling, blisters, or temporary skin discoloration or whitening of the skin.
- DO NOT use if you have any active skin condition in the treatment area, including acne, sores, psoriasis, eczema, burns, herpes simplex, wounds or a rash. These conditions can make the skin more sensitive to the light treatment and could make the treatment uncomfortable or cause skin swelling, blisters or infection. If your skin condition has healed enough to use the device, then please consult with your doctor.
- DO NOT use the device if you have a history of keloidal scar formation, a known sensitivity to light (photosensitivity) or are taking medication that makes the skin more sensitive to light, including non-steroidal anti-inflammatory agents, (e.g., aspirins, ibuprofens, cetaminophen), tetracyclines, phenothiazines, thiazide, diuretics, sulfonlurales, sulfonamides, DTIC, fluorouracil, vinblastine, griseofulvin, Alpha-Hydroxy Acids(AHAS), Beta-Hydroxy Acids(BHAS),Retin-A, Accutane and/or topical retinoids.
- DO NOT use if you have a disease related to photosensitivity, such as porphyria, polymorphic light eruption, solar urticaria, lupus, etc. These conditions make the skin more sensitive to the light treatment and could make the treatment uncomfortable or cause skin swelling, blisters or infection.
- The IPL Hair Removal Device is MR Unsafe. Do not enter an MRI scanner room or an MR system. Doing so may result in severe injury or death.

1.4 EMC Statements

- IPL Hair Removal Device conforms to EMC requirements.
- User shall install and use in accordance with EMC information described in attached materials.
- During the use of the product, some RF emitters (e.g. RFID) in the intended environment may be concealed and could pose a potential risk to users. So, it needs to pay attentions to the followings:

-The portable RF communications equipment including antennas can affect medical electrical equipment, and should not be used closer than 30cm (12 inches) to any part of the IPL Hair Removal Device;

-Do not use the device in the presence of, or close to, common RF emitters, such as diathermy, electrocautery, RFIDs, walk-through metal detectors, or security systems (e.g., electromagnetic anti-theft systems and metal detectors). These RF emitters have not been tested for electromagnetic compatibility with the device and may interfere with its safe operation.

-Do not apply the device in the presence of electronic monitoring equipment (e.g. cardiac monitor, ECG alarms), as these devices may not operate properly while the IPL device is in use.

-The portable and mobile RF communication equipment may affect the performance of the device, so please avoid strong electromagnetic interference when using, such as do not use it near phone, microwave and so on.

- Manual and manufacturer's statement details are in the end of the article (Annex I).

2. Introduction

The IPL Hair Removal Device is powered by Intense Pulsed Light (IPL) derived from professional IPL technology and it has the cooling function that effectively cools the skin. The IPL Hair Removal Device is an over-the-counter device indicated for the removal of unwanted hair, such as but not limited to small areas (e.g., underarm and facial hair below the chin line) and large areas (e.g., legs). The device is also indicated for the permanent reduction in hair regrowth, defined as the long-term, stable reduction in the amount of hair regrowth when measured at 6, 9, and 12 months after the completion of a treatment regime.

2.1 Packing List

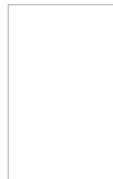
When you open the IPL Hair Removal Device's gift box, you'll find it contains the following components:



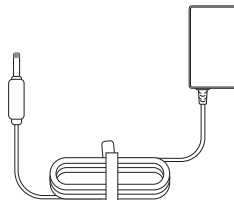
IPL Main Device



Safety Glasses



User manual



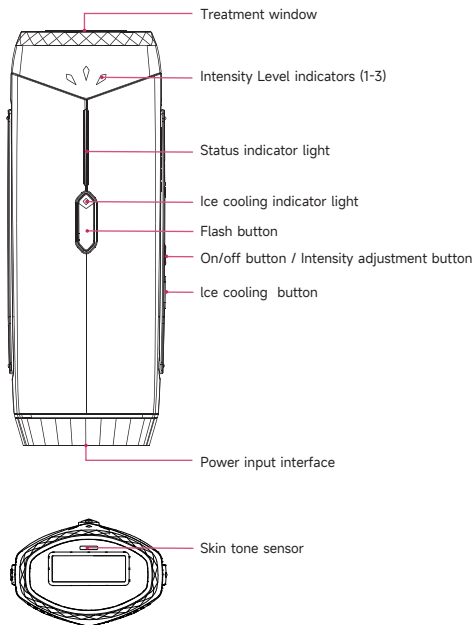
AC Adapter



Cotton swab

2.2 Product Components Diagram

Here is the diagram of T18B:



IPL Hair Removal Device's Activation Buttons and Status Indicators:

1) On/off button used for the device activation, deactivation and treatment levels selection

• Pressing the button for over two seconds (after the device is connected to the power supply) will turn on the device at treatment Level 1. Each press will change the level, from the lower level to the higher, for a total of 3 different treatment levels.

• Pressing the button for over two seconds again, it will turn off the device.

2) Ice cooling button used for on or off the ice compress function.

After the device is enabled, the ice function is enabled by default. Short press the button to turn it off if cooling is not needed.

Note: the Ice cooling function is used for skincare after or during the hair removal, which has no other medical therapeutic effect and just for cooling down the skin temperature to make the whole treatment more comfortable.

3) The flash button will activate the flash lamp if the treatment window is in full contact with the skin. Short press the button once will activate a single pulse.

4) Status indicator light

Indicator	Mode	Meaning
No Light	OFF	Device not working (Not connected to the AC Power cord).
Slow "flashing" blue	Activation/Standby	Device is in standby state (Device is activated after connected to the power supply).
Fast "Blinking" Blue Light	Level preparation	Device is in treatment level preparation condition.
"Steady" blue light	Hair removal	Device can deliver a pulse (You can conduct "Hair Removal") due to only the full skin contact.

3. How It Works

3.1 How Does IPL Work

IPL Hair Removal Device uses Intense Pulsed Light (IPL) technology to emit a specific wavelength of the light and delivers to the skin. The device is designed to help break the cycle of hair regrowth. Light energy is transferred through the skin's surface and is absorbed by melanin present in the hair shaft. The absorbed light energy is converted to heat energy (below the surface of the skin), which disables the hair follicle preventing further growth, so as to achieve effective hair removal.

3.2 What To Expect

Immediately Post-Treatment

You should not see any significant side effects from treatment (Refer to section 5.2 for more information on side effects).

In the first few weeks following initial treatments, you will still see some hair growing. These are likely to be hairs that were missed during treatment i.e., they were lying dormant and not in their growth phase (Anagen) during treatment, when IPL is most effective.

6 weeks into the 12 week plan

You should see a reduction in hair growth. However, many hairs may still not have been treated in their growth phase. It is important to continue the weekly treatments.

After the 12 week plan

Immediately after you have completed the 12 weeks plan, you should see a significant reduction in hairs within the treated area. Any remaining hairs should be finer and lighter in colour. Continued monthly treatments, or treatments as required, should keep your skin hair-free.

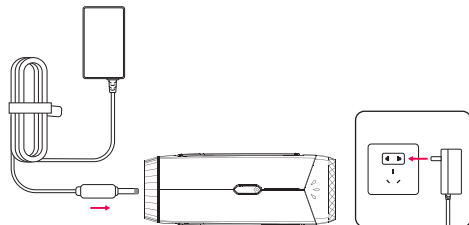
4. How To Use

Preparation

IPL Hair Removal Device should ideally to be used on the small areas such as underarm and facial hair below the chin line, large area such as the legs.

4.1 Device Set-up

- 1) Remove all components from the gift box;
- 2) Make sure the device is clean, dry and intact before beginning the treatment. You can clean the lamp cap's treatment window with clean cloth or cotton swab. This is done in order to remove hairs and dust from the treatment window;
- 3) Before each treatment, inspect the treatment window, AC Adapter cord for damage;
- 4) Insert the cord into the device socket and plug the AC adapter into an electrical outlet. The status indicator on top will blink slowly in blue.



IPL Hair Removal Device is now ready to be used.

NOTE:

- Place the IPL Hair Removal Device on a table or area near an electrical wall outlet. Move away any liquids from the area.
- Make sure lamp cap is installed well before turning on.
- In order to minimize the environmental impact during the expected service life, please throw the excess packaging materials into the dustbin after installing the equipment.

4.2 Preparing Yourself

- 1) On the basis of Fitzpatrick Phototyping Scale, identify your skin tone whether it is suitable for; for details, please refer to "4.4 Recommended Treatment Protocol" in this article.
- 2) Prior to use, make sure your skin is in good condition without any injuries and wounds, and ensure your skin is shaved, clean and dry (free of any residue such as powders, creams, makeup, antiperspirants, or deodorants);

4.3 Skin Sensitivity Test

If you are using the device for the first time or on a new body area, choose a small area close to the area you intend to treat, to perform a skin sensitivity test. Use the LOW treatment level. Follow the treatment instructions below and only emit 2-3 pulses. After the skin test, wait 24 hours and check your skin for any reaction. If after 24 hours the skin appears normal and there is no redness or other skin reaction, then you are ready to perform a full treatment.

4.4 Recommended Treatment Protocol

Applications:

Lip hair, armpit hair, body hair and legs, hair in area that affecting looks such as hair line on forehead and bikini area.

On the basis of Fitzpatrick Photo typing Scale, the effect is different according to skin tone. And it is not suitable for red, white, gray and light color hair.

Skin color Hair color	White	Ivory	Beige	Light Brown	Brown	Dark Brown
	Black	✓	✓	✓	✓	✓
Dark brown	✓	✓	✓	✓	✓	✗
Brown	✓	✓	✓	✓	✓	✗
Golden	✓	✓	✓	✓	✓	✗
Red	✗	✗	✗	✗	✗	✗
White	✗	✗	✗	✗	✗	✗
Gray	✗	✗	✗	✗	✗	✗

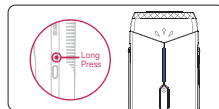
✓ : Indicates applicable ✗ : Indicates not applicable

NOTE:

- Choose a comfortable level based on your skin tolerance and increase the level gradually from one to three. If there is no suitable reaction, you may increase the level gradually.
- The colour of your skin may change, for example, because your skin has been tanned, it may then be darker than the skin tone during the previous treatment. Therefore, it is important that you check the settings before each treatment and set the settings according to different treatment areas. Some areas may be darker than others.
- Don't hold the treatment window still over one spot and flash multiple pulses. Doing so may cause too much heat and may result in skin swelling, blisters, or other skin discomfort.
- After each flash, move treatment window slowly to a neighboring skin spot.

4.5 Getting Started

- 1) Press and hold the on/off button for two seconds to start the device, the fan will operate.



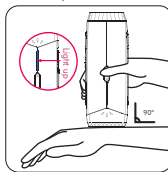
Model	Indicator light diagram	Display content
T18B		<ul style="list-style-type: none"> ① Intensity level indicators ② Status indicator light ③ Ice cooling indicator light (this symbol will light up only when the ice cooling function is activated).

- 2) After turning on the device, the ice cooling function will be turned on automatically, and the ice cooling icon will be lit. The cooling surface next to the light outlet will feel cold. Short press the cooling button to turn off the function, and the icon will go out.

- 3) The device has two operating modes. When the device is on, press and hold the flash button for 3 seconds to switch to the operating mode you need. The mode switching order is: manual mode - auto-recognition Skin color mode - manual mode.

In manual mode, user must manually press the flash button to emit a light pulse.

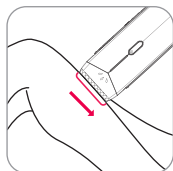
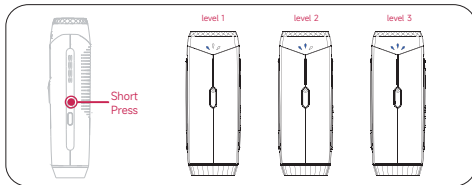
In auto-recognition Skin color mode, the device automatically emits light pulses upon contact with the skin at regular intervals without requiring manual operation.



- 4) Make the treatment window of the device perpendicular to the skin at 90 degrees. When the window is completely in contact with the skin, the status indicator light changes to blue and remains on, indicating that the device has correctly identified the skin in the treatment area and is ready for treatment.

5) After turning on the device, the intensity level defaults to level 1; short press the on/off button to adjust the intensity level in turn. When the skin adapts to the irradiation effect, the intensity level can be freely selected according to the skin's tolerance.

Note: Each time you press the flash button, the device will emit a flash; at the same time, you will feel a slight warming and tingling sensation, which are normal symptoms of using this device.



6) Press the flash button to start hair removal. After each emission, move the position of the treatment window to next area until the entire hair removal area is operated. Individuals can rest for a while according to different energy levels and the skin heat resistance. After the skin cools down, repeat the above steps for once or twice on the depilated area, but please do not repeatedly irradiate the same skin in a short period to avoid burning the skin.

Note: Duration of use: When using a single continuous treatment, avoid repeated use for more than three times on the same part.

7) In auto-recognition skin color mode, the skin tone sensor automatically detects the skin tone and selects the appropriate intensity level. Make sure the skin tone sensor is in full contact with the skin. If a valid skin color is detected, the corresponding energy level will be displayed. If it is not in full contact with the skin, the energy level is 0 and no light pulses are emitted.

8) After hair removal, press and hold the on/off button for more than two seconds to turn off the device (the fan will stop running after about 10 seconds), and unplug the power adapter.

NOTE: If the device is inactive for five minutes, the device will enter standby model with its indicator light blinking blue and the fan will stop.

9) After the device has cooled down, please clean the treatment window according to the prescribed cleaning method to prevent residual hair or dust (see section 5.3). After cleaning, put the device and its accessories into the box and store in a dry and cool place.

4.6 ERROR reminder function

1) Fan error: The 2nd and 3rd level indicator light flash.

2) Temperature alarm: The 1st and 2nd level indicator light flash.

Solution: When the above error reminder appears, please turn off the device and disconnect the power, and then restart the device.

5. Aftercare

5.1 Possible Side Effects

When using IPL Hair Removal Device according to the instructions for use, side effects are rare. However, every aesthetic procedure including the usage of home use devices may cause some degree of side effects. If any of the following conditions (refer to section 5.2 Side Effect Table) appear and last more than 24 hours, you should consult your physician.

5.2 Side Effect Table

It is possible that the following side effects have emergence during use.

Degree of Side Effects	Side Effects
Minor Side-Effects	Irritation / Redness / Sun Sensitivity
Rare Side-Effects	Burns / Scarring / Pigment Changes / Excessive Redness / Swelling
Extremely Rare Side-Effect	Infection / Bruising

5.3 Cleaning, inspection, maintenance & storage

After each treatment, inspect the treatment window for damage. Do not touch or clean the treatment window immediately after use to allow it to cool down.

Cleaning

- Make sure to turn off and unplug main device before cleaning.
- Wipe the treatment window with a dry, lint-free cloth if any marks or black spots are visible.

- Never use acetone or other abrasive fluids, because they will damage your device.
- Keep IPL Hair Removal Device dry. Never submerge the device or any of its parts in water as it may lead to an electrocution risk.

Inspection

After wiping, visually inspect the device. If the black spots remain, please wipe several times until no contamination is visible.

Maintenance & Storage

- To avoid breakage or missing device and its parts, we recommend you store the device in its original box after each use.
- To avoid degradation of device performance, turn on the device at least once a year.
- Clean the device before you store it and keep it in a safe and protective place.
- In order to minimize the environmental impact during the expected service life, please take good care of your equipment to avoid unnecessary damage. If it is damaged due to your own reasons, please place it in the e-waste recycling place reasonably, and do not discard it at will.

5.4 Troubleshooting

If you experience any problem with IPL Hair Removal Device, please refer to below information to try to resolve it:

Problem	Solution
If IPL Hair Removal Device does not turn on:	Make sure that the power supply is plugged properly into the device and the electrical outlet.
If IPL Hair Removal Device does not trigger a pulse:	<ol style="list-style-type: none"> 1. Verify there is full contact with the skin. The flash button will activate a flash pulse only when the device is in full contact with the skin. 2. If a safety issue is detected, the device will not trigger a pulse.
If you feel heat and hurt during the use of IPL Hair Removal Device.	<ol style="list-style-type: none"> 1. Shave and clean the hair in the expected treatment area before use. 2. Choose one comfortable treatment level for yourself. 3. DO NOT treat the same area multiple times during a single session.

If you still have problems with your IPL Hair Removal Device, please contact customer service.

6. Information

6.1 Technical Specifications

Basic Specifications	
Product Name	IPL Hair Removal Device
Model	T18B
Trade Mark	MLAY
Level of Protection	BF Type, Class II
Service life of the device	500,000 times (the maximum shot time)
Shelf life of the device	5 years
Method(s) of sterilization	N/A
Suitability for use an OXYGEN RICH ENVIRONMENT	N/A
Mode of operation	Continuous operation
Output Specifications	
Type of Light	Intense Pulsed Light (IPL)
Energy Medium	Xenon Arc flashlamp
Light Wavelength Range	510-1200nm
Pulse Duration	0.4-3.0ms
Spot Size (Window size of IPL)	3.5cm ²
Treatment Level	Level 1 to 3
Max Energy	12J±20%
Energy Density	1.37J/cm ² - 4.11J/cm ²
Pulse Interval	0.5-2.5s
Risk Group	Exempt
<p>Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in HAZARDOUS radiation exposure.</p> <p>The product fulfills the requirements of IEC60601-2-57:2011 and IEC 60601-2-85:2019/AMD1:2022.</p>	

Power Specifications	
Model	J482B-1204000IX
AC/DC adapter input	AC 100-240V, 50/60Hz, 1.5A
AC/DC adapter output	DC 12V/4A
Usage Specifications	
Operation Temperature	0°C-30°C (32°F-86°F)
Operation Humidity	25%-75%
Atmospheric Pressure	80kPa-106kPa
Storage Temperature	0°C-50°C (32°F-122°F)
Storage Humidity	25%-75%
Atmospheric Pressure	80kPa-106kPa

6.2 Disposal



DO NOT throw away the device with normal household waste at the end of its life, but hand it in to an official collection point for recycling (Contact your local town or city officials for recycling information). By doing this, you help to preserve the environment.

Note:

- Consumption during normal use just electric energy;
- Emissions during normal use are acoustic energy and heat;
- The location of components and parts within the device that contain stored energy near main board; To disassembler IPL Main Device, you need to place it more than 5 minutes to discharge the capacitor.

6.3 Disclaimer

Shenzhen Mlay Intelligent Technology Co., Ltd reserves that the final explanation of IPL Hair Removal Device, any third party applies device related information without Mlay's authorization is not allowed, we will take legal action. In any case, Shenzhen Mlay Intelligent Technology Co., Ltd is not responsible for any consequences caused by improper use of consumers.

6.4 Warranty

1)Warranty Period

• IPL Main device: The warranty of the IPL Main device is 1 years from the date of purchase.

2)Warranty scope

If the system is within the warranty period, the company will replace new product for you after checking non-artificial reason. Other faults resulted from abnormal use and force majeure is not within the warranty scope.

3)Warranty limits

• When applying for free maintenance for the product that is within warranty period, users should show valid proof of purchase (such as invoice, warranty card etc.).

• Free maintenance is not provided for the damaged products which are resulted from your improper packaging when you are sending back the instrument.

• The company is not responsible for the following situations and will not provide warranty service in case of the following situations.

a.Faults and damage resulted from the fire, earthquake, the behavior of a third party, fault or misuse caused by users, usage under other abnormal conditions and unpredictable events.

b.The attached damage caused by the usage of the products (such as loss of business benefit, interruption of business including the loss results from the usage of system and the cost resulted from the replacement of equipment, device or service, or the claim required by users).

c.Damage resulted from the operation which is beyond content of the instruction.

d.Including: the uncontrollable situations; the required service and parts for solving problems resulted from the usage of accessories, fittings or substitutes that are not sold by the company; and the required service for solving problems resulted from acceptableness or illegal disassembly and assembly of instrument without following the instructions.

e.Faults or damage resulted from the working environment which is not for the product including overload.

f.Improper storage by users (such as damages caused by rats and liquid infiltration).

6.5 Support

Dear Customers:

In order to provide you with more convenient services, when you buy IPL Hair Removal Device, please consult according to below contact information if you have problems.

Manufacturer:

Shenzhen Mlay Intelligent Technology Co., Ltd

Address: 201, 301, Building 28, Cuigang Industrial Zone 2, Huaide Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province, China.

After-sales:









Shenzhen Mlay Intelligent Technology Co., Ltd











Address: 201, 301, Building 28, Cuigang Industrial Zone 2, Huaide Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province, China.

Customer Service Hotline:

- Mainland Users: 400-666-9152
- International Users: 86-755-27319678

7. Relevant Symbol, Explanation and Marking

Symbol	Explanation	Symbol	Explanation
	Keep dry		Fragile handle with care
	This way up		Manufacturer
	Type BF applied part		Class II equipment
	Indoor installation equipment		Cautions, warnings

Symbol	Explanation	Symbol	Explanation
	WEEE (Waste Electrical and Electronic Equipment) mark		Follow instructions for use
	Date of Manufacture		Serial number
	Unique device identifier		MR Unsafe
	CE certified		Warning: OPTICAL RADIATION
	Do not stare at light source		Opaque eye protection must be worn

Annex I: Manufacturer's EMC Statement

Proper light energy output is defined as ESSENTIAL PERFORMANCE of this device by the manufacturer. If the device is placed firmly on the skin and completed energy-storage, and then the device does not flash after the trigger button is pressed, the device has malfunctioned. If this occurs, contact customer service.

Warning: Don't use near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

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 accessories, transducers, and cables 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 12 in (30 cm) to any part of the equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Guidance and Manufacturer's Declaration – Electromagnetic Emissions	
Emissions test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Harmonic emissions IEC 61000-3-2	Class A
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies

Guidance and Manufacturer's Declaration–Electromagnetic Immunity		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4kV, ±8 kV, ±15 kV air	±8 kV contact ±2 V, ±4kV, ±8 kV, ±15 kV air
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines ±1 kV for input/output lines
Surge IEC61000-4-5	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % UT; 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315° 0 % UT ; 1 cycle 70 % UT; 25/30 cycle 0% UT; 250/300 cycle	0 % UT; 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315° 0 % UT ; 1 cycle 70 % UT; 25/30 cycle 0% UT; 250/300 cycle
Power frequency magnetic field IEC 61000-4-8	30 A/m 50Hz/60Hz	30 A/m 50Hz/60Hz
Conducted RF IEC61000-4-6	3 V r.m.s. 150 kHz to 80 MHz 6 V RMS in the ISM and amateur bands between 0.15 MHz and 80 MHz	3 V r.m.s. 150 kHz to 80 MHz 6 V RMS in the ISM and amateur bands between 0.15 MHz and 80 MHz
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2.7 GHz 80 % AM at 1 kHz	10 V/m 80 MHz – 2.7 GHz 80 % AM at 1 kHz
NOTE Ur is the a.c. mains voltage prior to application of the test level.		

Guidance and Manufacturer's Declaration - IMMUNITY to proximity fields from RF wireless communications equipment					
Immunity test	IEC60601 test level			Compliance level	
	Test frequency	Modulation	Maximum power		Immunity level
Radiated RF IEC 61000-4-3	385 MHz	** P u l s e Modulation: 18Hz	1.8 W	27 V/m	27 V/m
	450 MHz	*FM+ 5Hz deviation: 1kHz sine	2 W	28 V/m	28 V/m
	710 MHz 745 MHz 780 MHz	** P u l s e Modulation: 217Hz	0.2 W	9 V/m	9 V/m
	810 MHz 870 MHz 930 MHz	** P u l s e Modulation: 18Hz	2 W	28 V/m	28 V/m
	1720 MHz 1845 MHz 1970 MHz	** P u l s e Modulation: 217Hz	2 W	28 V/m	28 V/m
	2450 MHz	** P u l s e Modulation: 217Hz	2 W	28 V/m	28 V/m
	5240 MHz 5500 MHz 5785 MHz	** P u l s e Modulation: 217Hz	0.2 W	9 V/m	9 V/m
Note* - 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 worst case. Note** - The carrier shall be modulated using a 50 % duty cycle square wave signal.					