



# maXXLight Pro

Experience The Healing Power of Light

## Product Operation Manual



Lovinium MaxxLight Pro Bed  
Your Gateway to Advanced Light Therapy

C/Monte Auseva 10, Bajo,  
Oviedo, Asturia, 33012, Spain



Visit us @ [www.lovinum.com](http://www.lovinum.com)

# 1

## INTRODUCTION

Introduction .....	4
1.2 Product appearance .....	5
1.3 Key Product Attributes .....	5
1.4 Versatile Usage .....	6
1.5 Illuminating the Working Mechanism .....	6
1.6 Transformative Product Benefits .....	7
1.7 Precautions for Specific Individuals .....	8
1.8 Safety Measures During Use .....	9
1.9 Detailed Product Parameters .....	9
.....	10

# 2

## INSTALLATION GUIDELINES

2.1 Unpacking Inspection .....	10
2.2 Installation Specifications .....	11
2.3 Safety Requirements .....	12
2.4 Specifications .....	13
2.5 Installation Requirements .....	13
2.5.1 Temperature and Humidity .....	14
2.5.2 Installation Environment Requirements .....	14
2.5.3 Installation Interval and Distance Requirements .....	15
2.5.4 Electrical Configuration Requirements .....	15
2.5.5 Installation Leakage Protector .....	16
2.6 Product Installation .....	17
2.6.1 Product Installation/Disassembly .....	17
2.6.2 Tools Required for Disassembly .....	17
2.6.3 Disassembly Steps .....	18

# 3

## PRODUCT OPERATION AND USE

3.1 Control System Operation Panel .....	19
3.1.1 Button Functions .....	19
3.1.2 Machine Activation .....	19
3.1.3 Setting up WIFI Network Connection .....	20
3.1.4 Streaming Music .....	20
3.1.5 Bluetooth Music Playback .....	21
3.1.6 Settings .....	21



3.1.7 Viewing Usage Records .....	22
3.1.8 Shutdown .....	23
3.2 External control system operation panel (optional) .....	24
3.3 Precautions for Using the Machine .....	26

## 4 TROUBLESHOOTING

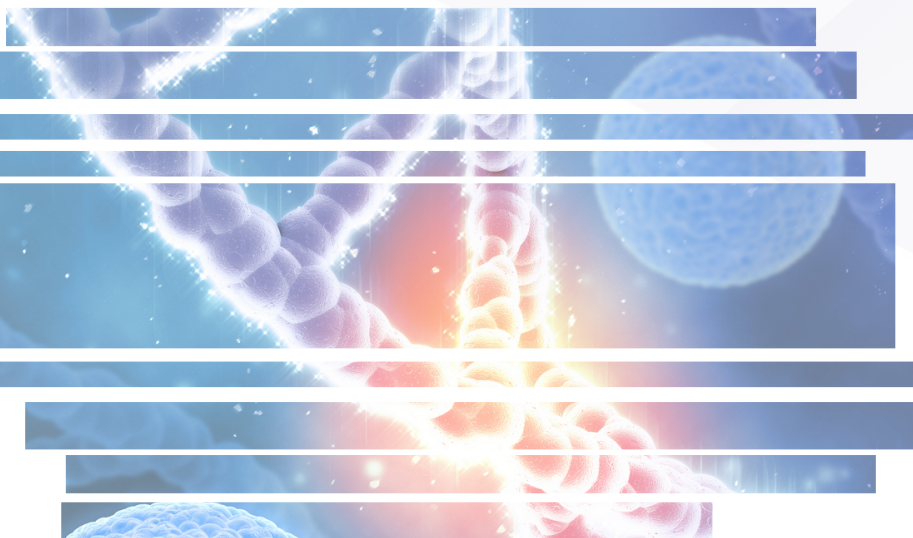
4.1 No Display After Power On .....	26
4.2 Power Air Switch Tripped After Power On .....	26
4.3 Display is Normal, But the Lamp Does Not Work .....	27

## 5. MAINTENANCE AND STORAGE

5.1 Routine Maintenance .....	27
5.2 Regular Maintenance .....	28
5.3 Storage.....	29

## 6 PRODUCT WARRANTY

6.1 Warranty Description .....	29
6.2 Not Included in the Free Warranty Service .....	30



**1****INTRODUCTION**

The MaxxLight Pro Bed, proudly developed by Lovinium Biotech, signifies a major advancement in therapeutic light technology. This cutting-edge bed is tailored to address chronic pain conditions effectively. Setting itself apart from standard light therapy devices, The MaxxLight Pro Bed boasts impressive power and precision, allowing deep tissue treatment of multiple areas simultaneously. With selectable wavelengths and optimized light pulsing, it redefines therapeutic excellence.

What makes The MaxxLight Pro Bed extraordinary is its use of pulsed light and Time Domain Reflectometry (TDR) technology. TDR measures light's travel time in tissues, enabling high-frequency light pulsing between 10-60 Hz. This ensures safe yet effective biological photoactivation, providing relief from chronic pain and enhancing overall health.

Experience the pinnacle of health and wellness with The MaxxLight Pro Bed – your solution for lasting results. It's time to bid farewell to chronic pain and embrace a therapy system that truly works.

Explore the key therapeutic components:

- **Red Light:** Stimulates natural healing, reduces inflammation, and aids tissue repair.
- **Blue Light:** Combats skin conditions, including acne, and supports skin health.
- **Infrared Light:** Penetrates deep, promoting circulation, reducing inflammation, and relieving pain, ideal for muscle and joint issues.

The MaxxLight Pro Bed, developed by Lovinium Biotech, underscores our firm dedication to elevating the realms of health and well-being. We achieve this through our persistent pursuit of cutting-edge technology and rigorous scientific research, culminating in a revolutionary product designed to enhance your overall quality of life.



## 1.2 PRODUCT APPEARANCE



## 1.3 KEY PRODUCT ATTRIBUTES

- The MaxxLight Pro is an innovative therapeutic device that employs a horizontal tunnel design to ensure the uniform irradiation of red, blue, and infrared light across the entire body. This unique feature enhances the effectiveness of photobiomodulation therapy, making it a versatile solution for various therapeutic purposes.
- Equipped with a sophisticated electronic control system, featuring functions such as timing, data retrieval, memory, and convenient remote control.
- Boasting a sleek European design that emphasizes user-friendliness, comfort, and safety.
- Utilizing a direct air circulation cooling system, expelling hot air through the left fan to enhance user comfort.
- Showcasing an advanced fan delay function that ensures the machine only proceeds with new procedures after reaching an optimal cooling state.
- Incorporating a reliable and steady LED light source, delivering remarkable outcomes.
- Constructed from lightweight yet durable materials, including imported ABS engineering plastics and aviation-grade aluminum.
- Enhancing the user experience with a surround sound system that supports smart Bluetooth connectivity for music playback.





## 1.4 VERSATILE USAGE

The MaxxLight Pro serves a wide array of purposes across various settings, addressing diverse needs. Here are some environments and sectors where it excels:

- **Nursing Homes:** The MaxxLight Pro enhances the well-being of residents through advanced light therapy, offering them comfort and relief.
- **Hospitals:** In hospitals, it complements medical treatments, helping patients recover faster and promoting the healing process.
- **Postpartum Rehabilitation Centers:** Supporting new mothers in their postpartum journey, it addresses a variety of postpartum concerns and contributes to their well-being.
- **High-End Clubs:** Exclusive wellness experiences for club members are elevated by incorporating the benefits of the MaxxLight Pro.
- **Gyms:** For fitness and recovery services, it offers cutting-edge photobiomodulation therapy to enhance the overall experience.
- **Beauty Salons:** Skin rejuvenation and wellness treatments are enriched with unique offerings that set your services apart.
- **Elderly Care Facilities:** Seniors enjoy an improved quality of life as the MaxxLight Pro harnesses the healing power of light.
- **Sports Centers:** Athletes benefit from improved performance, faster recovery, and effective injury management.
- **Rehabilitation Centers:** Individuals on the journey to recovery and mobility enhancement receive valuable support and therapy.

## 1.5 ILLUMINATING THE WORKING MECHANISM

The MaxxLight Pro operates on the principle of photodynamic health, harnessing the transformative power of light therapy coupled with cutting-edge nanotechnology to rejuvenate and restore the human body. It accomplishes this by emitting specific wavelengths of light waves through high-energy semiconductor chips.

**Photochemical Transformation:** The MaxxLight Pro's treatment mechanism relies on a photochemical reaction with your biological cells, as opposed to a thermal action. This targeted interaction with your cell's mitochondria yields a cascade of positive responses:



- **Enhanced Mitochondrial Catalase Activity:** The exposure to red light prompts an increase in mitochondrial catalase activity, catalyzing a chain of events.
- **Cell Metabolism Augmentation:** Cell metabolism is boosted, promoting enhanced cellular energy and functionality.
- **Elevated Glycogen Content:** Glycogen levels rise, ensuring a sustained source of cellular energy.
- **Stimulated Protein Synthesis:** The MaxxLight Pro encourages increased protein synthesis, vital for cellular repair and growth.
- **Accelerated ATP Decomposition:** The breakdown of adenosine triphosphate (ATP) is expedited, facilitating cell synthesis and clearing away diseased or nonviable cells.
- **Revitalized Cell Regeneration:** The natural regenerative capacity of cells is fortified, contributing to improved blood circulation and the accelerated healing of wounds and ulcers.
- **Empowered Immune Response:** The device enhances the phagocytic capability of white blood cells, contributing to anti-inflammatory and analgesic benefits, and fortifying the body's immune response and self-repair abilities.

## 1.6 TRANSFORMATIVE PRODUCT BENEFITS

The transformative benefits of the MaxxLight Pro bed are numerous and impactful. This innovative therapeutic device utilizes specific wavelengths of light, including red, blue, and infrared, to interact with cells and tissues, resulting in a wide range of health and wellness advantages. Some key transformative benefits include:

- **Pain Management:** The MaxxLight Pro bed can effectively alleviate pain associated with various conditions, including chronic pain, musculoskeletal disorders, and injuries. It promotes tissue repair and reduces inflammation, providing natural pain relief.
- **Faster Healing:** The MaxxLight Pro bed accelerates the body's natural healing processes. It enhances circulation, boosts cellular energy production, and supports tissue regeneration. This leads to faster recovery from injuries and surgical procedures.
- **Reduced Inflammation:** By stimulating cellular and molecular processes, the MaxxLight Pro bed helps control inflammation. It's particularly beneficial for conditions involving chronic inflammation, such as arthritis and dermatological issues.



- **Improved Circulation:** The MaxxLight Pro bed enhances blood flow, which is crucial for overall health. It can benefit cardiovascular health by promoting optimal circulation and potentially preventing circulatory system diseases.
- **Enhanced Mobility:** Individuals with musculoskeletal problems can experience improved mobility and flexibility. The MaxxLight Pro bed supports joint health and eases muscle tension, making movement more comfortable.
- **Skin Rejuvenation:** The MaxxLight Pro bed offers skin rejuvenation benefits as well. By stimulating collagen production, it can reduce wrinkles, shrink pores, and enhance skin texture, leaving the skin looking more youthful.
- **Non-Invasive:** The MaxxLight Pro bed is non-invasive, which means it provides these transformative benefits without the need for surgery or pharmaceuticals. This makes it a safe and natural approach to improving health and well-being.
- These transformative benefits highlight the versatility and effectiveness of the MaxxLight Pro bed in addressing various health concerns, from pain management to skin rejuvenation and overall wellness promotion.

## 1.7 PRECAUTIONS FOR SPECIFIC INDIVIDUALS

The MaxxLight Pro is a versatile device, but there are certain precautions for individuals with specific conditions:

(1) Unsuitable for:

- Pregnant women
- Customers with cardiac pacemakers
- Patients with malignant tumors

(2) Caution for:

- Patients with photosensitivity or customers taking photosensitizers (such as chlorpromazine)

(3) Unsuitable for:

- Those with active massive bleeding or shock
- Those with visceral injury

(4) Not Recommended for:

- Customers with high fever
- Patients with active pulmonary tuberculosis
- Those with vaso-occlusive vasculitis, and similar conditions

(5) Precaution for:

- Patients with severe heart and kidney disease, such as heart failure, myocarditis, uremia, and similar ailments





## 1.8 SAFETY MEASURES DURING USE

Your safety is our priority. To ensure a secure and effective experience with the MaxxLight Pro, please adhere to the following precautions:

- **Bare Skin Treatment:** To ensure the therapy's effectiveness, it is recommended to have direct contact with your skin. Removing accessories and cosmetics from your body allows the light to reach your skin directly, maximizing the benefits.
- **Eye Protection:** Protection for your eyes is essential. Since the MaxxLight Pro bed emits powerful light, it's important to remove contact lenses and wear specialized eye shields (eye patches) to prevent any damage to your eyes during treatment.
- **Time Setting:** Determining the treatment duration is crucial. It's best to consult with a qualified professional, like a physiotherapist, to set the appropriate treatment time. Avoid changing the irradiation time arbitrarily to ensure safe and effective treatment.
- **Maximum Time:** For safety and effectiveness, each treatment session should generally last no longer than 30 minutes. Staying within this time frame helps maintain the benefits of the therapy.
- **Monitor User Reaction:** While using the MaxxLight Pro bed, pay close attention to how your body reacts. If you experience unusual reactions such as overheating, palpitations, or dizziness, it's important to contact the staff immediately to address any concerns.
- **Wound Precaution:** If you have any wounds, make sure they are properly treated and clean before using the device. Use caution when exposing fresh scars to avoid discomfort or complications during treatment.
- **Allergic Reaction Check:** After your first use of the MaxxLight Pro bed, observe your skin for any signs of allergic reactions to the red light. If no adverse effects occur, you can continue with your treatment as planned.
- **Congenital Skin Conditions:** The MaxxLight Pro bed is not suitable for treating congenital skin conditions like warts, spots, or moles. It's important to know which skin conditions are appropriate for treatment with this device.
- **Pain Sensitivity:** Individuals with known pain sensitivities or certain medical conditions may experience discomfort during treatment. Consult with a healthcare professional before use to create a treatment plan tailored to your specific needs.

These safety measures are designed to help you make the most of your MaxxLight Pro bed experience while ensuring your safety and comfort during treatment. It's essential to follow these guidelines for a secure and effective therapeutic experience.



## 1.9 DETAILED PRODUCT PARAMETERS

For a comprehensive insight into the MaxxLight Pro, we provide the following product specifications:

- Product Model:MaxxLight Pro
- Light Source: Epistar Chip
- Shell Colors: Available in White and Orange
- Heat Sink: Multiple cooling components including a left fan with three-speed adjustment, three small fans in the rear middle of the upper cabin, and two small fans on the left and right of the lower cabin.
- Structure: Horizontal full cabin design with hydraulic rod assist and integrated heat sink
- Control System: LCD screen control, with customizable pulse frequency modulation
- Voltage: 220V
- Current: 20A
- Total Power: 4kW
- Product Dimensions: 2110 x 1080 x 1060mm (Length x Width x Height)
- Product Weight: 200kg
- Application: Designed for commercial use
- Listing Period: Initially listed in 2021

These specifications offer a detailed look into the technical aspects and design of the MaxxLight Pro, ensuring you have a comprehensive understanding of this advanced photobiomodulation therapy device.

## 2 INSTALLATION GUIDELINES

Installing the MaxxLight Pro is a crucial step to ensure proper functionality and safety. Please follow these instructions carefully:

### 2.1 UNPACKING INSPECTION

Before unpacking, it's essential to inspect the packaging to ensure its integrity. After unpacking, check the following items:

#### (1) Machine Condition:

- Confirm that there is no damage to the machine during transportation. Inspect the appearance of the machine for any damage or gaps.

#### (2) Manuals and Warranty:

- Ensure that the packaging includes manuals and warranty cards. The warranty card is typically located on the last page of the manual.



(3) Machine Nameplate:

- Verify that the information on the machine nameplate matches the product you ordered.

(4) Accessories:

- If you ordered accessories, confirm that the accessories you received match your requirements.

Warning: Under no circumstances should you install or operate any MaxxLight Pro bed that has been damaged or has faulty parts, as this poses a risk of injury.

If you have any questions or encounter any issues during the inspection or installation, please contact Lovinium immediately. They will promptly address your concerns and provide the necessary guidance to ensure a safe and efficient setup. Your safety is of utmost importance to us.

## 2.2 INSTALLATION SPECIFICATIONS

To ensure the safe and proper installation of your MaxxLight Pro, please adhere to the following installation specifications:

(1) Grounding:

- The machine must be adequately grounded before use.
- When grounding multiple machines, it is advisable to minimize the use of a common ground wire to prevent the ground wire from forming a loop.

(2) Power Off When Not in Use:

- To extend the service life of the lamp and the machine, please turn off the power when the device is not in use.

(3) Cooling Period:

- After turning off the main power switch, allow the machine to cool down completely before conducting installation or disassembly operations. A minimum of 3 minutes is recommended.

(4) Avoid Non-Insulated Conditions:

- It is strictly prohibited to install and debug the machine under non-insulated conditions to prevent electric shock.

(5) Adequate Ventilation:

- Ensure that the indoor air is unobstructed, and maintain a minimum distance of at least 30cm between the outer edge of the machine and the wall.

(6) Environmental Requirements:

- Refer to the environmental specifications detailed in this manual for the installation and use environment of the machine. Failure to meet these





environmental requirements may reduce the service life of the machine or even cause damage.

By following these installation guidelines, you will not only ensure the safety of the MaxxLight Pro but also maximize its operational efficiency and lifespan.

### 2.3 SAFETY REQUIREMENTS

Ensuring the safety of your MaxxLight Pro is of paramount importance. Please adhere to the following safety requirements:

(1) Connection Compatibility:

- The machine guarantees its safety and correctness only when connected to the equipment provided by the company. It cannot ensure safety when connected to equipment from other companies.

(2) Protective Grounding:

- To prevent circuit hazards, the machine must be connected to a power socket with protective grounding. If the power socket lacks a grounding wire or if the integrity of the protective grounding wire is in doubt, do not use the socket.

(3) Sudden Power Failure:

- In the event of a sudden power failure during normal machine operation, the machine is designed to prevent damage to the operator or user. Turn off the power switch first and, upon restoring power, follow the instructions for normal operation.

(4) No Self-Opening:

- Do not attempt to open the machine casing yourself, as this may pose a risk of electric shock. Maintenance or upgrades of the machine must be performed by maintenance personnel trained or authorized by the company.

(5) Prevention of Wetness:

- To avoid electric shock and machine failure, ensure that the machine does not come into contact with moisture. If the machine accidentally becomes wet, discontinue use immediately, consult with professional technicians, and obtain clearance before resuming use.

(6) Pre-Use Inspection:

- Before using the machine, meticulously inspect the machine, its connecting cables, and accessories to ensure they are in proper working condition and safe to use.

(7) Parameter Compliance:

- Operate the machine in accordance with the parameters specified by our company.





#### (8) Use Approved Products:

- For various replaceable parts, accessories, and consumables associated with the machine, use the products provided or designated by our company to ensure safe operation.

#### (9) Regular Cleaning:

- Maintain the interior surface cleanliness by using 95% alcohol. Typically, wipe with alcohol once a week during use.

## 2.4 SPECIFICATIONS

Here are the detailed specifications for the MaxxLight Pro:

### Control

- Start Time: Less than 3 seconds
- Operational Control: Control system operation panel
- Modulation: Physical touch buttons

### Environment

- Temperature: 0°C – 70°C
- Humidity: Not exceeding 75% relative humidity, with no condensation
- Protection Class: IP 53

### Structure

- Cooling Method: Forced air cooling
- Installation Method: Vertical installation

## 2.5 INSTALLATION REQUIREMENTS

For the optimal functioning and safety of the unit, please follow these installation requirements:

- This unit should be installed indoors.
- Ensure that there are no obstructions within 1 meter around the machine to facilitate normal heat dissipation.

By adhering to these installation requirements, you can create an environment that promotes the efficient operation of the MaxxLight Pro bed.



### 2.5.1 TEMPERATURE AND HUMIDITY

To maintain the performance and safety of the MaxxLight Pro, adhere to the following temperature and humidity requirements:

(1) Ambient Temperature:

- The ambient temperature should be within the range of 0°C – 70°C.

(2) Relative Humidity:

- The relative humidity of the air should not exceed 75%RH, and condensation should be prevented.

### 2.5.2 INSTALLATION ENVIRONMENT REQUIREMENTS

To ensure the optimal performance and longevity of the MaxxLight Pro, consider the following installation environment requirements:

(1) Vibration and Shock:

- Install the unit in areas unlikely to experience severe vibration and shock.

(2) Contaminant Protection:

- Place the unit where metal powder, dust, oil, water, and similar contaminants cannot infiltrate the machine.

(3) Avoid Hazardous Elements:

- Prevent installation in areas with oil mist, steam, or salt, as these can be harmful to the machine.

(4) Sunlight Exposure:

- Avoid installation in locations with direct sunlight, which can affect the unit's performance.

(5) Dust and Metal Powder:

- Do not install the unit in dusty or metal powder-prone environments.

(6) Flammable Materials:

- Strictly avoid installation in areas with flammable and explosive materials, such as anesthetics.

Please note: If you have specific or unique installation environment requirements, it is advisable to consult and confirm these requirements in advance to ensure the safe and effective use of the MaxxLight Pro bed.



### 2.5.3 INSTALLATION INTERVAL AND DISTANCE REQUIREMENTS

For proper installation and safety, adhere to the following interval and distance requirements:

(1) Wall Clearance:

- Maintain a minimum distance of 30cm between the four sides of the machine and the wall.

(2) Machine Spacing:

- Keep a distance of at least 100cm between two machines if multiple units are installed.

Furthermore, it's crucial to equip the machine with a leakage protection/air switch to enhance safety. Please note that this is not provided by our company. You should consult and arrange for its installation independently to mitigate any potential risks and ensure the safety of the MaxxLight Pro bed.

### 2.5.4 ELECTRICAL CONFIGURATION REQUIREMENTS

To ensure the safety and proper functioning of the MaxxLight Pro bed, it is imperative to adhere to the following electrical configuration requirements:

- The machine must be equipped with a leakage protection switch or air switch. Failure to do so poses a safety risk. Please note that this device is not provided by our company, and it is your responsibility to arrange for its installation after consulting with the appropriate professionals.
- The power cord of the equipment should be directly connected to the junction box of a dedicated circuit. It is highly recommended to have a professional electrician perform this installation. Be sure to reference local and/or national electrical codes for proper configuration, including the use of the appropriate circuit breaker and wire gauge.
- Configure a 220V AC power supply. To do so, you must install a dedicated single-phase leakage protector at the machine's installation location.

Following these electrical configuration requirements is essential for both safety and the efficient operation of the MaxxLight Pro bed.



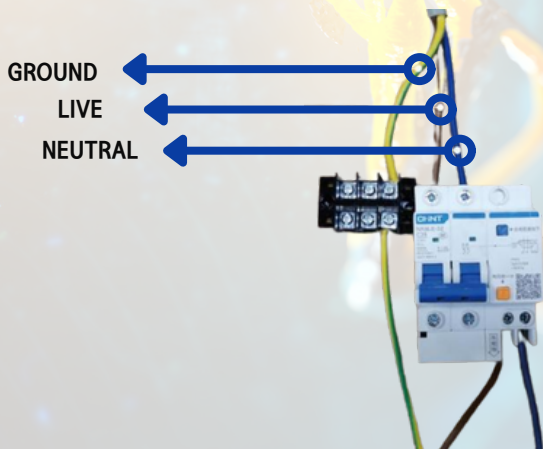


### 2.5.5 INSTALLATION LEAKAGE PROTECTOR

When installing this large electrical equipment, it's crucial to follow these steps for the installation of the leakage protector:

- **Dedicated Circuit:** Use a dedicated circuit directly connected to the wiring box. For the best results and to ensure compliance with safety standards, we recommend contacting a professional electrician or the machine's sales representative to confirm the installation requirements.
- **Refer to Regulations:** Always refer to local and/or national regulations for guidance on the appropriate power supply and wiring tables. Compliance with these regulations is essential for safety and proper operation.
- **Grounded Socket:** Ensure that the socket used for this equipment is properly grounded.
- **Single-Phase Leakage Protector Installation:** There are three wires in total: the neutral wire (blue), the live wire (brown), and the ground wire (yellow-green). Connect these wires to the corresponding interfaces as illustrated in the figure below.

Proper installation of the leakage protector is vital to guarantee the safety and functionality of the MaxxLight Pro bed.





## 2.6 PRODUCT INSTALLATION



### 2.6.1 PRODUCT INSTALLATION/DISASSEMBLY

The MaxxLight Pro bed is delivered as a complete machine. Upon unpacking the package, you can commence usage by following the wiring instructions outlined in this manual. If required, the machine can be disassembled and relocated to an indoor location.

This flexibility allows you to adapt the machine to your specific needs, ensuring convenient and efficient use.

### 2.6.2 TOOLS REQUIRED FOR DISASSEMBLY

For the disassembly of the MaxxLight Pro bed, the essential tools include:

- A 14-17mm open-end wrench ( Figure 3 below).
- A 6-8mm Allen key (Figure 4 below).

These tools are indispensable for the proper disassembly of the machine, allowing for efficient relocation as needed.



FIGURE 3



FIGURE 4



### 2.6.3 DISASSEMBLY STEPS

- Begin by removing the protective film from the machine and verify that all purchased accessories and items are complete.
- Utilize a 6mm Allen wrench to carefully remove the screws from the rear cover of the machine ( Figure 5 below).



FIGURE 5

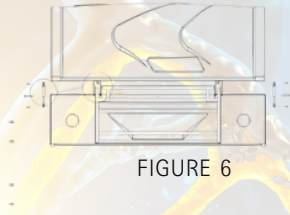


FIGURE 6

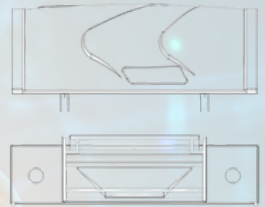


FIGURE 7

- Next, elevate the upper compartment of the machine to its highest position, disconnect the rear power cord, and reinsert it. Subsequently, extract the screws located on the hydraulic rods on both sides of the rear section, carefully remove the screws (Figure 6 above), and detach the upper cabin ( Figure 7 above).
- After separating the upper and lower compartments, relocate the machine to your desired installation spot and proceed with reassembly.
- For 220V machines, ensure a 220V, 40-amp leakage protection switch or air switch is in place. In the case of 380V machines, select a 380V system with 3\*25-amp leakage protection switch or air switch. Connect the machine's power cord to the left live wire and right neutral wire of the load end. This setup will ensure proper electrical configuration for your MaxxLight Pro bed.
- Conduct a machine turn-on test to verify that all lamps are functioning correctly, ensuring the proper operation of the MaxxLight Pro bed.



### 3 PRODUCT OPERATION AND USE

Before enjoying the therapeutic benefits of the MaxxLight Pro bed, it is imperative to acquaint yourself with the operational guidelines. Please adhere meticulously to these instructions for optimal results and safety.

#### 3.1 CONTROL SYSTEM OPERATION PANEL



##### 3.1.1 BUTTON FUNCTIONS

- ①: Fan speed control (0.1.2.3.4.5)
- ②: Network music shuffle (play/stop)
- ③: Volume reduction (0.1.2.3.4.5.6.7.8.9.10)
- ④: Volume increase (0.1.2.3.4.5.6.7.8.9.10)
- ⑤: Next song (change song during playback)
- ⑥: Start/Stop (optional, network boot only)
- ⑦: Set time/countdown time display
- ⑧: Double click to pop up shutdown window
- ⑨: Click to pop up WIFI connection settings

##### 3.1.2 MACHINE ACTIVATION

To turn on the machine, locate the red rotary button inside the side compartment of the machine. Rotate it 180 degrees clockwise, and wait for 5 seconds as the machine powers on.



### 3.1.3 SETTING UP WIFI NETWORK CONNECTION

Step 1: Click on the WIFI icon to open the settings window.

Step 2: Click the drop-down arrow to select your WIFI network name.

Step 3: Click to open the keyboard for input.

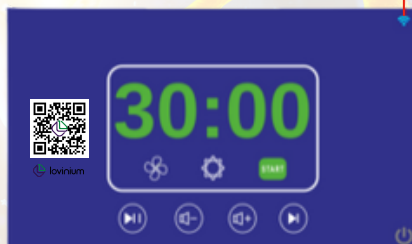
Step 4: Enter your WIFI network password.

Step 5: Click the green ✓ (checkmark). The device will automatically restart and connect to the WIFI network after the restart.

Step 6: Check the device name and IP address. If needed, repeat step (1) to access the WIFI settings page.

Step 7: Click the IP button to view the IP address, device name, and Bluetooth name.

Step 8: Once the network connection is established, the WIFI symbol will turn blue.



### 3.1.4 STREAMING MUSIC

- To access music categories, double-click the play button. This action will open a menu where you can choose your preferred music category.
- Select Music: Within the music category menu, you can click on your chosen music selection to start playback.





### 3.1.5 BLUETOOTH MUSIC PLAYBACK

#### 1) Bluetooth Pairing Setup

Step 1: Begin by opening the device's WIFI window and clicking the IP button, as depicted in FIG 8. The device's Bluetooth name is "MASTER."

Step 2: Activate the Bluetooth function on your mobile phone and search for the device named "MASTER."

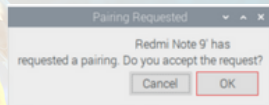
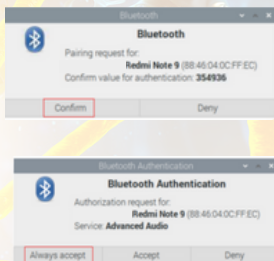
Step 3: On your mobile device, tap to confirm the connection.

Step 4: Click on "Always Accept."



Step 5: Finally, click on ok button to confirm the request on the MaxxLight Pro device.

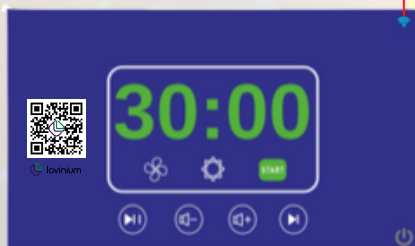


FIG 8



### 3.1.6 SETTINGS

(1) To access the settings, start by clicking the [Next Song]  button and then proceed to click the [Settings]  button. Please note that this manual password is exclusively for device administrators.



## 2. PULSE SETTINGS (MULTIBAND SETUP)

CLICK TO SET FREQUENCY

L2 -L3 OFF

CLICK TO SET DUTY CYCLE

FREQUENCY INFO  
BAR



CANCEL OK

## 3. TIME SETTING

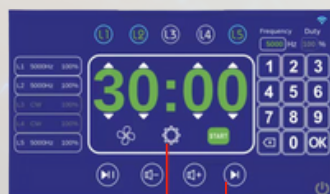
LONG PRESS TO INCREASE(0-9-0)



LONG PRESS TO DECREASE(9-0)

### 3.1.7 VIEWING USAGE RECORDS

Within the settings interface, double-click the next button followed by the settings button to access the usage record interface (the administrative password should be used to access this interface).

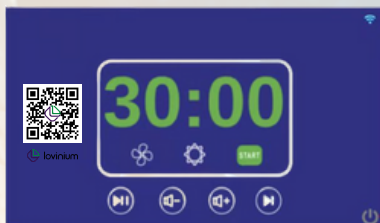


NEXT BUTTON

SETTING BUTTON



### 3.1.8 SHUTDOWN



DOUBLE-CLICK THE SHUTDOWN BUTTON TO BRING UP THE SHUTDOWN WINDOW

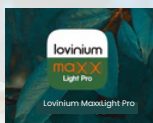
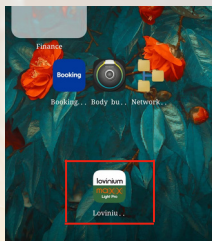
#### SHUTDOWN CONFIRMATION WINDOW



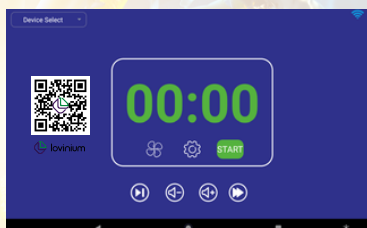
To power off the MaxxLight Pro bed, locate the red rotary button inside the side compartment of the machine and press it firmly. This action will turn off the device.



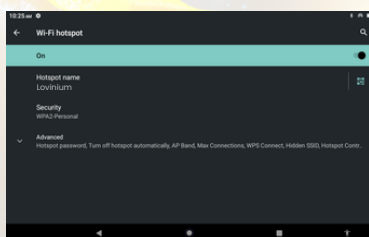
### 3.2 EXTERNAL CONTROL SYSTEM OPERATION PANEL (OPTIONAL)



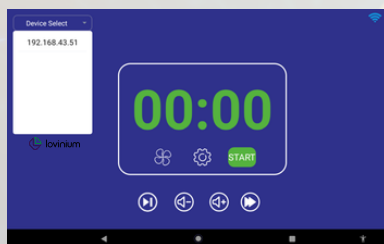
(1) Click on the Lovinium MaxxLight Pro to Launch application.



(2) From the main screen, tap the WIFI icon to activate the tablet's hotspot.



(3) On the hotspot interface, activate the Wi-Fi hotspot switch.



(4) Click the Device Select drop-down box and choose the device IP address (obtained by touching Query IP on the device).







(5) Your connection is now established successfully.



(6) Within the setting page, simply double-click the setting button to access the setting interface.



(7) For viewing usage records, select the "RECORD" option.



### 3.3 PRECAUTIONS FOR USING THE MACHINE

- When the machine is not in use, keep the machine door open and unplug the power cord.
- While maintaining or cleaning the interior of the operating compartment, ensure the power supply is disconnected and do not use liquids on live components.
- In case the wire is damaged, it must be replaced by the manufacturer, service agent, or a qualified professional to avoid injury.
- If the plexiglass plate in the cabin is damaged, cracked, or scratched, please replace it promptly.
- After each use, clean the lower cabin's transparent plexiglass with alcohol containing more than 95% concentration, and perform a full machine cleaning once a week.
- While the machine is in standby mode, it is strictly prohibited to contact it with water or lie on the instrument. Cleaning machine stains during standby is also strictly prohibited.

## 4 TROUBLESHOOTING

During the use of the MaxxLight Pro bed, you may encounter certain issues. Please refer to the following methods for simple fault analysis:

### 4.1 NO DISPLAY AFTER POWER ON

- This issue occurs when there is no visual display on the machine's screen when it's powered on.
- To address this, you should use a multimeter to check the voltage of the power input to the LED MaxxLight Pro bed. It's crucial to ensure that the power source is providing the expected voltage. If the voltage is abnormal, it might indicate a power supply problem.

### 4.2 POWER AIR SWITCH TRIPPED AFTER POWER ON

- In this case, the power air switch trips or gets disconnected shortly after turning on the machine.
- To troubleshoot this, you should investigate whether there's a grounding issue or a short circuit in the connections of the power sources. Grounding or short circuits can lead to the air switch tripping as a protective measure to prevent damage or electrical hazards.



### 4.3 DISPLAY IS NORMAL, BUT THE LAMP DOES NOT WORK

- Here, you experience a situation where the machine's display appears to be functioning correctly, but the lamps, which are a key component, are not working.
- To address this issue, you should first check if the lamp connector is properly connected and not loose. Loose connections can disrupt the operation of the lamps.
  1. You should also check whether the lamps themselves are burnt out. If the lamps are damaged, they need to be replaced or serviced.
  2. Inspect the wire connections of the top cover. Loose or damaged connections in the internal wiring could prevent the lamps from functioning correctly.

If you're unable to resolve these issues based on the troubleshooting tips provided, it's advisable to contact Lovinium's customer support or a qualified service technician. They will have the expertise and tools to address more complex problems and ensure the machine functions as intended, prioritizing your safety and satisfaction.

## 5 MAINTENANCE AND STORAGE

By performing routine maintenance tasks, you can prevent MaxxLight Pro bed failures, maintain normal equipment operation, and prolong the equipment's overall service life. This ensures a safe and efficient experience for users while maximizing the longevity of the machine.

### 5.1 ROUTINE MAINTENANCE

- **Temperature:** Verify that the ambient temperature falls within the range of 0°C to 70°C.
- **Humidity:** Confirm that the relative humidity of the environment is less than or equal to 75%RH and ensure there is no condensation.
- **Oil Mist and Dust:** Check for the absence of oil mist, dust, and condensation within the machine to prevent damage.
- **Machine:** Inspect the machine for any signs of abnormal heat or vibration that may indicate a malfunction.
- **Fan:** Ensure the fan is functioning correctly, and no foreign debris is obstructing its operation.
- **Input Power:** Regularly check the voltage of the input power supply to verify that it falls within normal operating parameters.





## 5.2 REGULAR MAINTENANCE

Regular maintenance is crucial to prevent failures and ensure the long-term high-performance and stable operation of the MaxxLight Pro bed. Users should conduct these checks at least once every six months.

- **Nut Screw Interface:** Check if any nuts or screws are loose. If you find any, make sure to tighten them properly. Loose nuts or screws can affect the structural integrity of the machine.
- **Machine:** Examine the machine for dust and dirt. Use a cleaning solution with at least 95% alcohol to wipe down any areas with visible dirt. Accumulated dust can impede the machine's performance.
- **Fan:** Listen for unusual noises or vibrations when the fan is running. If you notice anything out of the ordinary, check for debris that might be obstructing the fan. If the issue persists, you might need to replace the fans, as they are essential for cooling.
- **Air Supply/Inlet:** Ensure there is no dust or dirt in the air supply or inlet. Use dry compressed air to thoroughly clean these areas. Clean air pathways are essential for proper ventilation and cooling.
- **LED Light Strip:** If you notice any non-functional LED light strips, compare them with those that are working properly. This helps identify if there's a specific issue with the malfunctioning lights. If needed, consider replacing the faulty LED strips.
- **Equipment Door:** Check if the door of the equipment is aligned properly. The door should fit snugly and precisely. If it's misaligned, make necessary adjustments so that it connects seamlessly.
- **Wires and Interfaces:** Examine all wires and their connections for damage or looseness. If any wires are frayed or connectors are loose, it's crucial to address these issues promptly. Seek guidance or replacement parts from the manufacturer or authorized service agents.

Regular maintenance is essential to keep the MaxxLight Pro bed in good working condition and extend its lifespan.



### 5.3 STORAGE

Proper storage of the MaxxLight Pro bed is essential to ensure its condition and warranty compliance. Here are the guidelines for storage:

- **Dust-Free, Dry Environment:** Store the LED MaxxLight Pro bed in a clean, dust-free, and dry environment. This helps prevent dust accumulation and maintains the equipment's integrity.
- **Temperature Range:** Ensure that the ambient temperature in the storage area falls within the range of 0°C to 70°C. Extreme temperatures can adversely affect the components and performance of the machine.
- **Relative Humidity:** The relative humidity of the storage location should be maintained below 75%RH and should not lead to condensation. High humidity levels can cause damage over time.
- **Avoid Corrosive Substances:** Keep the storage area free from corrosive gases or liquids. These substances can damage the machine's components and structure.
- **Packaging and Elevation:** Provide appropriate packaging protection when storing the MaxxLight Pro bed. It should be stored above the ground to prevent contact with moisture and potential damage.

By following these storage precautions, you can help ensure the equipment remains in good condition and ready for future use or maintenance.

## 6 PRODUCT WARRANTY

With this warranty, our goal is to ensure your confidence in the MaxxLight Pro bed's quality and reliability. If you have any concerns or specific service requests, please feel free to get in touch with our dedicated after-sales service center for assistance.

### 6.1 WARRANTY DESCRIPTION

- **Warranty Period:** The MaxxLight Pro bed, a Lovinium product, is backed by a comprehensive warranty. This warranty covers any faults resulting from product quality for a duration of one year starting from the date of machine receipt.
- **Accessory Coverage:** During the initial one-year period, both the entire machine and its accessories are included in the warranty. If any accessories require replacement within this timeframe, Lovinium will provide them at no additional cost. After the initial one-year period, Lovinium continues to offer lifetime maintenance; however, maintenance fees will apply as per the company's regulations.



- **Special Service Requests:** Users with unique service requirements are encouraged to contact Lovinium's after-sales service center for personalized assistance and support.
- **Technical Support:** In situations where technical information is needed, our company will provide relevant technical data to authorized technical service personnel as required for maintenance and service.

## 6.2 NOT INCLUDED IN THE FREE WARRANTY SERVICE

Our warranty service, while comprehensive, does not cover specific circumstances or conditions. Here is a list of scenarios and situations that are not included in our free warranty service:

- **Exceeding Warranty Period:** If a machine experiences issues more than one year after you've received it, these concerns won't be covered by the free warranty service. After the initial one-year warranty period, maintenance may be subject to charges.
- **Unauthorized Disassembly or Modification:** Any faults arising from unauthorized opening or modifying of the machine won't be covered. It's crucial to contact our authorized service personnel for any machine adjustments.
- **Non-Professional Installation and Maintenance:** Damages resulting from unprofessional installation, maintenance, or assembly aren't covered by the warranty. It's important to ensure that certified professionals handle these tasks.
- **Use of Non-Original or Inferior Parts:** If you use non-original or subpar parts that aren't recommended, any resulting damage or issues won't be eligible for warranty service.
- **Accidental Damage:** Any damages or faults that occur due to accidents like impacts, drops, or rough handling aren't covered. Please handle the machine with care to prevent such issues.
- **Neglecting Maintenance and Environmental Requirements:** The warranty doesn't cover problems resulting from neglecting regular maintenance or failing to meet environmental requirements. Proper care and maintenance are essential.
- **Incorrect Operation:** Failures due to not following the operation instructions in the manual aren't covered. It's important to operate the machine correctly according to the guidelines.
- **Human-Caused Damage:** Any damage caused by human actions won't be included in the free warranty. Take care when using the machine to avoid accidental damage.





- **Unauthorized Self-Maintenance:** If you attempt self-maintenance without our company's permission, any ensuing issues won't be covered. Please consult with us for authorized maintenance.
- **Voltage Instability:** Machine failures resulting from unstable local voltage conditions aren't part of the warranty. Ensure your local power supply is stable and suitable for the machine.
- **Force Majeure Events:** Failures or damage resulting from unforeseeable and uncontrollable events like fires or earthquakes are not covered. These events are beyond our control.

In scenarios where the warranty doesn't apply, Lovinium offers paid maintenance services. However, please note that any recurring issues with the same performance problem will be eligible for a free warranty period within three months from the date of repair. We're here to assist you in keeping your MaxxLight Pro bed in excellent condition.

Product Model		Lovinium MaxxLight Pro	
Sale Date			
Customer			
Customer Full Information			
Maintenance Records	Maintenance Date	Remarks	

MaxxLight Pro is a CE registered device, signifying its compliance with European Union safety, health, and environmental standards, allowing it to be legally marketed and sold within the European Economic Area (EEA).

