

NOVOTHOR<sup>®</sup>

NOVOTHOR and NOVOTHOR XL

# USER MANUAL





**NOVOTHOR<sup>®</sup>**

NOVOTHOR and NOVOTHOR XL

# **USER MANUAL**

**CE**  
**2265**



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# 1. INTRODUCTION

When used correctly, NOVOTHOR and NOVOTHOR XL will help muscle regeneration, and bring temporary relief of minor joint and muscle aches, pain and stiffness. Once you understand the photobiological mechanisms and the subsequent physiological effects, the NOVOTHOR and NOVOTHOR XL become powerful tools providing great benefit for your patients and your practice.

THOR strongly recommends that you attend one of our training courses to further your education; our courses are listed at [www.thorlaser.com](http://www.thorlaser.com). Join our mailing lists to discover product information, conference announcements and medical news while staying up-to-date with this fast developing science to achieve the best possible results. There are safety issues to be aware of and regulations that differ from one country to another. Keep yourself informed.

# 2. CONVENTIONS USED

The following convention and style is used to indicate the importance of the information contained in this manual.

- a. **Note:** - This is used to indicate additional information that will help in the use and/or understanding of the equipment.
- b. **CAUTION:** - This is used to indicate aspects of set-up or operation that should be checked before or during use to ensure compliance with regulations and safe operation of the device. Failure to do so may result in hazardous operation of the device.
- c. **WARNING:** - This is used to inform the operator of safety aspects that **MUST** be followed when setting up or using the device.

# 3. DEFINITIONS

The system of unit measurement used follows the SI system of units.

The following definitions are used within the manual:

<b>NovoTHOR</b>	NovoTHOR and NovoTHOR XL models
<b>Hz</b>	Hertz. Unit of Frequency
<b>IR</b>	Infrared

<b>NIR</b>	Near Infrared
<b>LED</b>	Light Emitting Diode
<b>mA</b>	Milliamps. Unit of current measurement
<b>nm</b>	Nanometre. Unit of wavelength measurement.
<b>RH</b>	Relative Humidity
<b>WEEE</b>	Waste Electrical & Electronic Equipment Directive
<b>PBM</b>	Photobiomodulation
<b>PBMT</b>	Photobiomodulation therapy

## 4. GENERAL SAFETY

- a. NovoTHOR complies with the international safety standard IEC 60601-1 for medical electrical equipment.
- b. The appliance coupler can be used as a means of isolation from the supply. Therefore, do not position the system so that it is difficult to access this.
- c. **WARNING: No modification of this equipment is allowed.**
- d. **WARNING: To avoid risk of electric shock, this equipment must only be connected to an AC supply with a protective earth.**
- e. **CAUTION: Use of controls, adjustments or procedures other than those specified herein may result in hazardous light exposure.**
- f. Do not open or attempt to modify this equipment in anyway. Failure to comply may result in electric shock or hazardous exposure to red/near infrared (NIR) light.
- g. There are no user replaceable light emitters in the NovoTHOR.
- h. Only use the NovoTHOR AC power supply cable and connector. Do not use the NovoTHOR if the AC lead is damaged.
- i. Do not use the NovoTHOR near water, in or around damp locations or if you or the patient are wet. Failure to comply may result in electric shock.
- j. Do not operate the NovoTHOR unless you have been trained by an expert practitioner and you have read this user manual. Keep documentation of all training and certifications.
- k. High temperatures produced in normal use of LED equipment may ignite some materials (e.g. cotton wool when saturated with oxygen) and solvents of adhesives and flammable solutions used for cleaning and disinfecting should be allowed to evaporate before LED equipment is used.

- l. Do not operate the NovoTHOR in oxygen enriched environments.
- m. Do not use the NovoTHOR when the room temperature is above 27°C.
- n. Patient weight limit for the NovoTHOR is 300 lbs (136kg).
- o. To protect from unauthorized use, lock the controls by selecting the locked position on the key switch and removing the key.
- p. Turn off the power to the NovoTHOR before cleaning and surface wipe-down.
- q. Skin chapping may occur from contact with the acrylic sheet.
- r. If the patient feels uncomfortable for any reason, they should immediately pause the treatment.
- s. Reporting: Any serious incident that has occurred in relation to the device needs to be reported to THOR and the competent authority of the Member State in which the user and/or patient is established.

## 5. ELECTROMAGNETIC COMPATIBILITY (EMC)

### ENVIRONMENTS

The NovoTHOR and NovoTHOR XL are suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes. However, in hospitals, it should not be used near active HF surgical equipment and in the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

### PERFORMANCE

The light intensity range is detailed in section 18 Technical Specifications. The operating time can be set by the user at a number of levels up to 20 minutes. The light output can be set by the user as visible red only or Mixed Red and Near Infrared. Note that, because of EM disturbances the light output may be changed or lost; and/or the set treatment time may change.

**WARNING:** NovoTHOR and NovoTHOR XL should not be used adjacent to or stacked with other equipment. However, if adjacent or stacked use is necessary, the NovoTHOR and NovoTHOR XL should be observed to verify normal operation in the configuration in which it will be used.

**WARNING:** Portable RF communications equipment (including peripherals such as antennae cables and external antennas) should be used no closer than 30cm (12 in) to any part of the NovoTHOR including cables specified by THOR. Otherwise, degradation of the performance of this equipment could result.

## **6. DESCRIPTION**

The NovoTHOR and NovoTHOR XL consist of a hinged, clamshell design with LEDs arranged to emit near infrared and visible red light. In this way, photobiomodulation (PBM) light therapy is delivered to the whole body simultaneously.

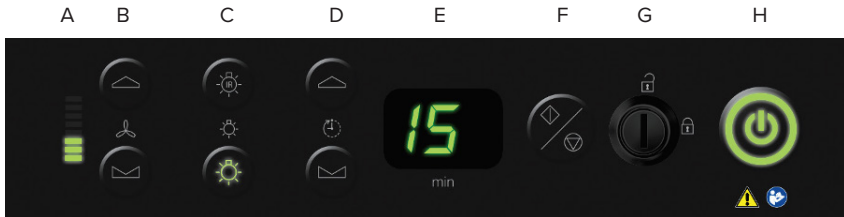
## **7. SIGNIFICANT PHYSICAL AND PERFORMANCE CHARACTERISTICS**

- a. Emits visible red (660nm wavelength) and Near Infrared (850nm wavelength) radiation.
- b. Light is switchable from Red only to Mixed (Red + NIR).
- c. Duration of treatment is selectable between 1min and 20min.
- d. Is re-usable on multiple patients.
- e. Device uses an electrical energy source and energy in the form of light is transferred to the patient via red and near infrared LEDs.
- f. Maintenance and Service at intervals is required.
- g. Requires 220-240V, 50-60Hz power supply voltage.

## 8. FREQUENTLY USED FUNCTIONS

Separate power on/off rocker-switch is located next to the control panel.

Below is a description of each functional element of the control panel:



- A. **Body Fan Speed display**
- B. **Body Fan Increase / Decrease Buttons:** Used to control the speed of the body fan and cooling across the client's body during a session. It can also be turned off during a session if desired.
- C. **Irradiance Buttons:** Used to switch between Red Light only or Mix (Red Light and NIR Light).
- D. **Timer Increase / Decrease Buttons:** These push buttons are used to set the desired run time. The NovoTHOR and NovoTHOR XL can only be set to a maximum of 20 minutes before shutting off.
- E. **Timer display in Minutes:** This display is used to set the running time in operating mode. It is also used for diagnostics and setup when required by qualified service personnel.
- F. **Start/Stop Push Button:** This push button starts and stops the operation of the timer and NovoTHOR and NovoTHOR XL.
- G. **Keyswitch:** In the locked position, no settings can be altered except for the body fan. In the unlocked position, all settings can be altered.
- H. **On/Off Button:** Powers on control panel into standby state.

## 9. APPLICATION SPECIFICATION & INTENDED USE

### INTENDED USE

The NovoTHOR and NovoTHOR XL improve the speed of tissue healing, reduce inflammation and reduce pain by whole body application of PBMT. The device is intended to be used for medical purposes.

It is indicated for neck pain, back pain, tendinopathies and joint pain.

### INTENDED PATIENT POPULATION

- Age: There are no age limitations
- Weight: Limited to 136kg
- Height: Model NovoTHOR 187cm, Model NovoTHOR XL, 221cm
- Health: Refer to section 10. Contra-indications and section 11. Precautions
- Condition: Refer to section 10. Contra-indications and section 11. Precautions

### INTENDED PART OF THE BODY APPLIED TO

- All external parts, whole body - the patient lies on the treatment bed with as much exposed skin as possible.

### INTENDED USER PROFILE

The NovoTHOR and NovoTHOR XL are designed for use by a clinician to treat a patient. The clinician can be a:

- Medical doctor
- Physiotherapist
- Nurse
- Other therapists

### INTENDED CONDITIONS OF USE

- Environment: Indoors. Refer to section 18. Technical Specifications  
Hygiene requirements refer to:
  - > Section 19. Maintenance and Cleaning
  - > d. of section 11. Precautions

## **LOCATION**

Indoor only, usually positioned on a hard, flat floor surface.

## **MOBILITY**

The NovoTHOR is a non-mobile, stationary unit.

## **OPERATING PRINCIPAL**

The system applies Photobiomodulation (PBM) light. In this case, PBM is LED light therapy that improves tissue repair (skin wounds, muscle, tendon, bone, nerves), reduces inflammation and reduces pain wherever the beam is applied. Treatments typically take 5 - 20 minutes and it is usually applied by a physician, therapist, dentist, nurse, or technician. PBM works predominately on a protein in mitochondria (cytochrome c oxidase) to increase ATP and reduce oxidative stress. A cascade of mitochondrial and intracellular downstream effects leads to improved tissue repair and reduced inflammation.

## **10. CONTRAINDICATIONS**

Note: Based on all reviewed sources and clinical experience (post market, 1.6 million treatments) the following Contraindications have been identified.

### **PREGNANCY**

Pregnant women are not to be given PBM treatment unless prescribed by a physician.

### **CANCER**

Cancer patients not to be given PBM treatment unless prescribed by a physician.

## **11. PRECAUTIONS (SIDE – EFFECTS)**

### **REACTIONS TO TREATMENT**

The treatment is very bright, when the light goes off at the end of treatment it takes a few minutes for vision to adjust to normal room lighting levels.

Patients may report a number of sensations, such as warmth, transient tingling, fatigue, increased pain or temporary increase in other symptoms, within the 24-hour period following treatment.

In patients with persisting or severe treatment reactions, NovoTHOR treatment should be discontinued.

Note: Based on all reviewed sources and clinical experience (post market, 1.6 million treatments) the above Precautions (side-effects) have been identified.

### **PINS, METAL PLATES, PLASTICS AND PACEMAKERS**

NovoTHOR may be safely used over metal implants, plastics, and stitches and on patients fitted with a pacemaker.

### **HYGIENE**

Client's skin should be free of cosmetics, tanning oils, or other body lotions prior to treatment. However, it is not necessary to remove natural body oils by bathing or showering immediately before treatment.

Ensure clients skin is dry.

Keep treated hair from contacting NovoTHOR surfaces. Many hair products can damage the NovoTHOR acrylic. Please use a clear headrest if you use gels, mousses, sprays, or other hair products to protect the NovoTHOR surfaces.

## 12. SYMBOLS USED

The symbols on the unit have the following meaning:



Catalogue Number



Date of Manufacturer & Manufacture Address



Caution



Follow Instructions For Use



Careful Disposal



Cooling Fan



Red Light



Near Infrared



Control Unlocked



Control Locked



Increase



Decrease



Programmable Timer



Standby



Stop



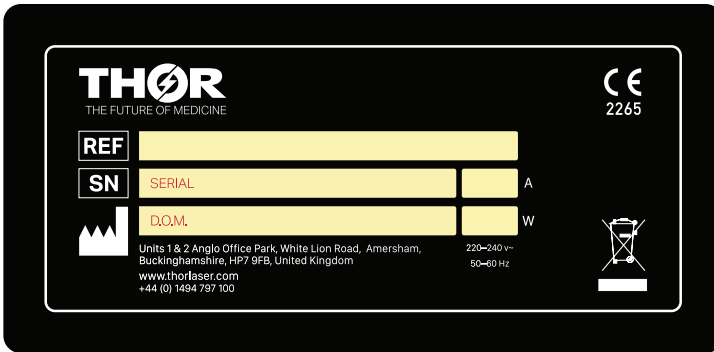
Start

## 13. EQUIPMENT LABELS

### FRONT PANEL



### REAR LABEL



### EU REPRESENTATIVE



## 14. ROOM PREPARATION

The NovoTHOR needs to be installed in a well-ventilated room that is temperature controlled. The ideal room size is 365cm x 365cm, which allows room for the patient to prepare and enough air space to maintain a comfortable ambient room temperature. NovoTHOR is designed to be a stationary unit requiring floor surfaces to be solid and flat to prevent unintended movement. Air from the room is used to cool the NovoTHOR:

- To be operated indoors in a dry well-ventilated environment without any contact with liquids.
- Ambient room temperature should be no more than 27°C.
- Place the NovoTHOR no closer than 15cm from any wall.
- Ensure nothing obstructs the airflow at each end of the canopy and bench, and out of the fan openings.
- A poorly ventilated room may cause the unit to become hot and cause discomfort to the user.

A qualified electrician is required to install room wiring to meet the local regulations for the AC power supply to satisfy the NovoTHOR AC power requirements as specified in this manual.

The NOVOTHOR uses an IEC type C20 appliance inlet. A 2.5m-long power cable fitted with the local plug will be included with the unit.

## 15. PACKAGING INSERTS AND ELECTRICAL CONNECTION

Inside the top of the main NovoTHOR shipping package containing the two halves of the NovoTHOR is a compartment containing the following:

1. Support legs (left and right)
2. Body fan unit
3. Canopy lift pistons
4. Back skirt panel
5. Front skirt panel
6. Hinge plates
7. Location pack
  - Containing country-dependent Instructions For Use (example OM092 for EU)
  - Power lead
8. Tools

Once the NovoTHOR has been assembled in accordance with NovoTHOR and NovoTHOR XL Assembly Instructions the unit can be plugged into a suitable electrical AC socket as described in the room preparation section.

**Caution:** Where the integrity of the PROTECTIVE EARTH CONDUCTOR is in doubt the equipment should not be used.

## 16. OPERATING INSTRUCTIONS

### TREATMENT SETTINGS

- a. Set the required treatment time by repeatedly pushing the Timer push button until the desired time is showing on the display.
- b. Select the Mix or Red Light only mode (Mix is the typical setting).
- c. Select the desired body fan speed using the control knob.
- d. To commence treatment, push the Start/Stop push button (LED's will illuminate once the start button is pushed).
- e. If the Key switch is in the locked position the start/stop button can be used to pause the treatment, however, the Key switch will need to be unlocked to resume treatment.

### CLIENT PREPARATION

- a. It is recommended that the client be fully undressed during a treatment, or minimally dressed.
- b. Treatment is enhanced by exposing as much skin to the light therapy as possible.
- c. To prevent damage to the acrylic plastic surfaces, all rings, watches, bracelets and the like should be removed before the treatment session.

### TREATMENT

- a. Enter the NovoTHOR – by sitting on the outer rail and gently moving into the laying position with your feet located near the body fan and facing up toward the canopy.
- b. Reach up and slowly pull down the canopy until it is in the fully closed position.
- c. Some people prefer to close their eyes.
- d. Once the treatment time is complete the NovoTHOR will shut off, and the client can raise the canopy and exit the NovoTHOR.

## **FAULT CONDITIONS**

- a. If the running timer fails to operate, the NovoTHOR will shut down after 23 minutes.
- b. The fault condition can only be removed by turning the power off and then on (using the On/Off button). The treatment can then be repeated.
- c. If the fault condition persists, refer to the website [www.novothor.com](http://www.novothor.com) and look at the service pages.

## **USE OF UNIT ON BROKEN SKIN & WOUNDS**

This device is not intended for use on broken skin and wounds.

## **GENERAL CARE AND USE**

- a. There are no parts of the equipment that require to be serviced or maintained while in use with the patient.
- b. The NovoTHOR should be cleaned as described in section 19. Maintenance and Cleaning.
- c. Protect from mechanical shocks, heating, and water ingress.

## **USING THE UNDRRESS TIMER FUNCTION**

A 3-minute start-delay is available to allow the client time to prepare before the LEDs are automatically illuminated and treatment can commence.

- a. Set the required treatment time.
- b. Select the Mix or Red Light only mode (Mix is the typical setting).
- c. Select the desired body fan speed.
- d. Press and hold the start button, the bed will start after 3 minutes.
- e. If the bed is then locked with the Key switch, only the On/Off and Fan speed buttons can be operated.

## 17. NOVOTHOR SESSION RECOMMENDATIONS

Light therapy stimulates blood flow, cellular energy (ATP), immune and anti-inflammatory effects (inflammation may go up before it goes down). The effect may be felt more by some people than others (tiredness, pain or maybe vitality and euphoria).

For personal comfort THOR strongly suggests that the first session be a brief 5 minutes and then build up to the maximum treatment of 20 minutes. THOR recommends for normal treatments the mix Red Light and NIR Light setting.

Any of the following session times can be safely utilised:

**1st session**      5 minutes  
                         10 minutes  
                         12 Minutes  
                         15 minutes  
                         20 minutes

**Recommended Maximum interval between sessions - Weekly**

**Recommended Minimum interval between sessions - Daily**, if running time is kept under 10 minutes for no more than one week and then every other day. In the following 24 hours after use the client should drink 1.5 to 2.5 litres of water and can resume normal activity level.

If you feel uncomfortable you should pause the light therapy.

## 18. TECHNICAL SPECIFICATIONS

AC supply:	Voltage: 220 - 240V 50-60Hz.
Means of isolation:	The mains AC power cord on the rear panel.
Circuit breaker:	20 A
ME equipment:	Class IIa
Applied part:	Type B.
Mode of operation:	Non-continuous
Treatment Times:	Programmable count down timer 1min to 20min inclusive in 1-minute intervals.

Operating Locations:	Indoors use only.
Operating Temperature:	10°C to 27°C
Transport Storage temperature:	-20°C to +50°C
Humidity:	30% to 75% RH (Non-condensing)
Wavelengths:	Red and NIR LED system; Switchable from Mixed (Red + NIR) to Red only.
Irradiance:	Mixed (Red + NIR) 30mW/cm <sup>2</sup> Or Red only 34mW/cm <sup>2</sup> .
Watchdog Timer:	Shuts unit off after 23 minutes if the main timer overruns.

## **NOVOTHOR AND NOVOTHOR XL DIFFERENCES:**

### Dimensions, Weights and Power Consumptions

#### **NOVOTHOR**

- Overall Dimensions (cms): 210L x 96W x 93H
- Body Length: 187 cms
- NovoTHOR Weight: 211.5 kg
- Maximum Current: 13 A
- Maximum Power Consumption: 2400 W
- Model: I040

#### **NOVOTHOR XL**

- Overall Dimensions (cms): 240L x 96W x 93H
- Body Length: 221 cms
- NovoTHOR Weight: 236.5 kg
- Maximum Current: 14 A
- Maximum Power Consumption: 2700 W
- Model I041

## 19. MAINTENANCE AND CLEANING

**NOTE: WHENEVER MAINTENANCE OR CLEANING OF ANY KIND IS BEING CONDUCTED ON THE NOVOTHOR THE POWER SHOULD BE OFF, AND/OR THE MAIN POWER CABLE SHOULD BE UNPLUGGED FROM THE AC SOCKET.**

### SUGGESTED INSPECTION

Make regular inspections of your NovoTHOR unit to ensure proper and safe operation. It is recommended that inspections are made prior to use to ensure all components are working properly.

Weekly inspections should be made as follows:

- Inspect the unit's fasteners verifying that all are firmly in place. Pay particular attention to the hinge bolts. Loose fasteners should be immediately tightened by THOR, a THOR approved service agent or similarly qualified persons.
- Inspect gas shocks for signs of wear. Gas shocks should be immediately replaced if they do not hold the canopy up in the fully open position. Replacement gas shocks must be fitted by THOR, a THOR approved service agent or similarly qualified persons.
- Inspect all of the power cables and their connections. Any damaged or loose power cables should be secured or replaced immediately. Replacement power leads must be fitted by THOR, a THOR approved service agent or similarly qualified persons.
- Inspect the white, acrylic diffuser panels for damage. Broken, cracked or badly scratched acrylics should be immediately replaced. Replacement acrylic diffusers must be fitted by THOR, THOR approved service agent or similarly qualified persons.

### CLEANING

Clean and disinfect the NovoTHOR bench and canopy after each use. Infections can be spread through skin contact, all components which can come into contact with the user during a treatment must be disinfected after every use, this includes:

- Acrylic panels
- Head rests/pillows
- Handles, control panel and frame

THOR recommends a pH Neutral, non-abrasive disinfectant cleaner, surfaces must remain visibly wet for 10 minutes. Use a disinfectant cleaner that does not contain ammonia or ammonia derivatives.

Ammonia may damage the acrylic surfaces. Spray the acrylic lightly with disinfectant and wipe dry with a clean lint free cloth.

THOR recommends Lucasol™ One Step Hospital Grade Disinfectant for sanitising and/or disinfecting the NovoTHOR ([lucasproducts.com](http://lucasproducts.com)).

A thorough wipe down should be done at the end of each operating day to ensure the surfaces are free of dirt, grease, oils, etc.

## 20. TROUBLESHOOTING GUIDE

The following information is provided as a guide for the operator to help diagnose possible faults that can be cured or corrected by the operator. This information can also help diagnose which part of your NovoTHOR system is faulty, to assist your NovoTHOR representative in making a swift repair. If any of the faults with the unit listed below persist, then contact your NovoTHOR representative.

<b>SYMPTOM</b>	<b>ACTION</b>
<b>No power</b>	<ul style="list-style-type: none"><li>• Is the NovoTHOR plugged into the AC power?</li><li>• Check the source of AC power.</li><li>• Does the circuit breaker need to be reset on the NovoTHOR?</li><li>• Is the AC supply switched on?</li><li>• Is the NovoTHOR unit switched on?</li><li>• Check the circuit breaker for the AC socket, does it need to be reset?</li></ul>
<b>Circuit Breaker trips</b>	<ul style="list-style-type: none"><li>• Reset circuit breaker.</li><li>• If the circuit breaker continues to trip, contact THOR at <a href="http://www.novothor.com">www.novothor.com</a> Customer Service.</li></ul>

<b>SYMPTOM</b>	<b>ACTION</b>
<b>Canopy fails to stay in the up or down position</b>	<ul style="list-style-type: none"> <li>• Gas shocks should hold the canopy fully up as well as allow it to rest fully closed. If the canopy is left up for an extended period of time it may creep down, this is considered normal.</li> <li>• Keep the canopy closed when not in use.</li> <li>• If the gas shocks no longer have sufficient power to hold the canopy up in the raised position, contact your <a href="http://www.novothor.com">www.novothor.com</a> Customer Service for replacement parts.</li> </ul>
<b>LEDs do not stay lit</b>	<ul style="list-style-type: none"> <li>• Check the source of AC power.</li> <li>• Reset circuit breaker on the NovoTHOR or for the wall outlet at the main electrical panel.</li> <li>• Check timer system.</li> </ul>
<b>Unit seems unusually hot</b>	<ul style="list-style-type: none"> <li>• Ensure cooling fans are running.</li> <li>• Allow the NovoTHOR to cool before resuming treatment.</li> <li>• Ensure that fan guards and fans are clean.</li> <li>• If the unit is too close to a wall, it should be moved away to ensure proper ventilation.</li> <li>• If the room temperature is too high (without the influence of the bed), increase ventilation / air conditioning.</li> </ul>

## **21. WARRANTY AND SERVICE**

### **5 YEAR CONDITIONAL WARRANTY:**

THOR warrants that the NovoTHOR will function and perform within specification for FIVE years from the date of installation. This warranty covers all parts, labour, and onsite attendance by a THOR approved engineer for that five-year period with some exclusions (see below).

### **WARRANTY EXCLUSIONS:**

The warranty shall not apply to equipment that has been moved\*, abused, modified, or damaged, or fitted with substitute parts other than parts fitted by THOR. THOR shall not be liable for any consequential loss or inconvenience caused by any failure of its products.

#### **\*MOVING THE NOVOTHOR**

This five-year warranty from the date of installation is conditional on:

1. The NovoTHOR must not be moved from the original installation address unless a THOR approved installer carries out the move.
2. The installation at a new address must be carried out by a THOR approved installer.

A comprehensive quote is available on request.

### **REPAIRS AND SUPPORT:**

For support contract [service@thorlaser.com](mailto:service@thorlaser.com) or fill in the form at [www.novothor.com/service/](http://www.novothor.com/service/)

In the unlikely event that the product fails with the terms of the warranty, repairs will be performed at no charge.

### **COMPLIMENTS AND COMPLAINTS:**

If you would like to provide us feedback or make a complaint please contact Head Office by visiting our website [www.thorlaser.com](http://www.thorlaser.com), click on the “contact us” tab and fill out the form called “Feedback regarding our products, services or website”. We will confirm we have received your message within one working day. Alternatively, you can call your sales contact at THOR Photomedicine Ltd or the Head Office main number on +44 1494 797100.

## **22. CORRECT DISPOSAL OF THIS PRODUCT (WEEE)**

This marking on the product and literature indicates that the product and its accessories should not be disposed of with other commercial or household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

When your product has come to the end of its life and is beyond economic repair, please contact THOR to arrange for safe and legal disposal in accordance with the WEEE Directive (EU & UK only).

THOR's Producer Registration Number is WEEE FE0796TV (EU & UK only).

## **23. DISCLAIMER**

Neither THOR Photomedicine Limited, its officers, employees, or agents, nor the author of this manual, hold that the application of laser medicine and phototherapy will achieve any or all of the benefits referred to or implied in this text or in any other materials prepared or supplied by THOR.

There may be other dangers or consequences associated with the use of laser medicine and phototherapy, known or otherwise, which are not referred to in this manual.

Whilst THOR has taken all possible care in the design and manufacture of this NovoTHOR, no responsibility can be taken by THOR for the way in which it is used. The user operates the NovoTHOR at their own risk.

THOR will not accept any liability for any injury or damages resulting directly or indirectly from the use of the NovoTHOR and any associated equipment, or the information contained in this manual, or any other materials or advice provided by THOR to the purchaser or any officer, employee, or agent of the purchaser.

## 24. CONTACT

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[www.thorlaser.com/treatment](http://www.thorlaser.com/treatment)

## 25. GALLERY







## 26. NOTES



## Mr I Clinch

EC REP

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