

# Weber Medical Infrared Helmet



- User Manual -

weber medical GmbH

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Dear customer,

We are pleased that you have decided to purchase our infrared helmet and would like to thank you for the confidence that you have placed in our company.

On the following pages please find relevant product information.

Please read these instructions carefully, keep them for future reference and make them available to other users if necessary.

Should you have any questions regarding the use of the infrared helmet, please do not hesitate to contact us.

Best regards,

Your weber medical team

## Technical Specifications

Wavelength	810 nm
Input power	5V DC
Diode type	LED
Power	50 mW/diode
Number of diodes	320
Total power	16W
Input (Power Adapter)	100-240V AC; 0.8A (800mA) 50-60Hz
Output (Power Adapter)	5V DC 6A

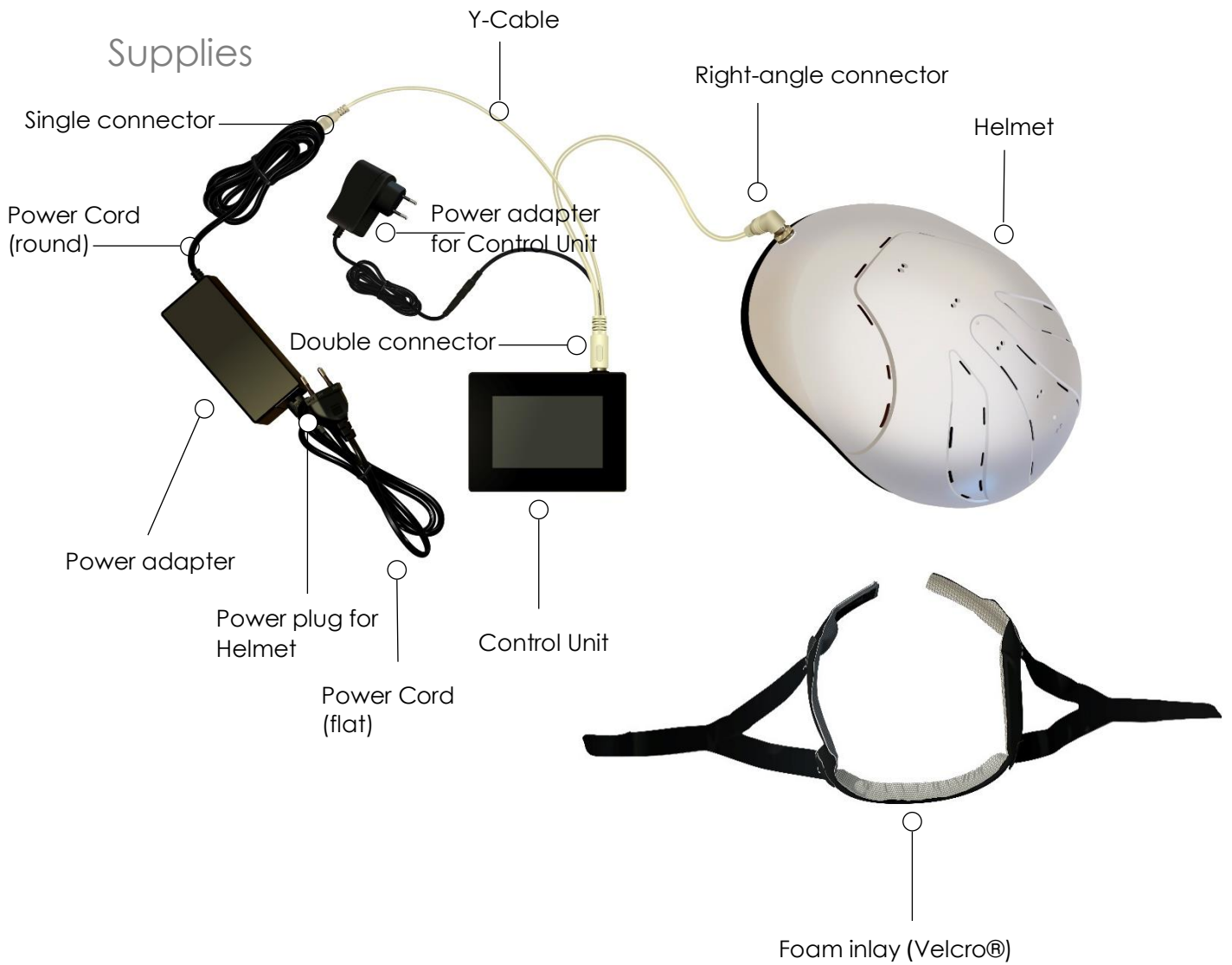


**Warning:** Please do not look directly into the light during irradiation and avoid that light hits the eye of other persons, since this might cause serious eye damages.



Please note:

This device can only be used by children and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been trained concerning the safe use and understand the resulting risks. Children must not play with the device. Cleaning and maintenance must not be performed by children without supervision.



## Setup

1. In order to adjust size and increase wearing comfort, paste the foam inlay into the helmet with the supplied Velcro® adhesives.

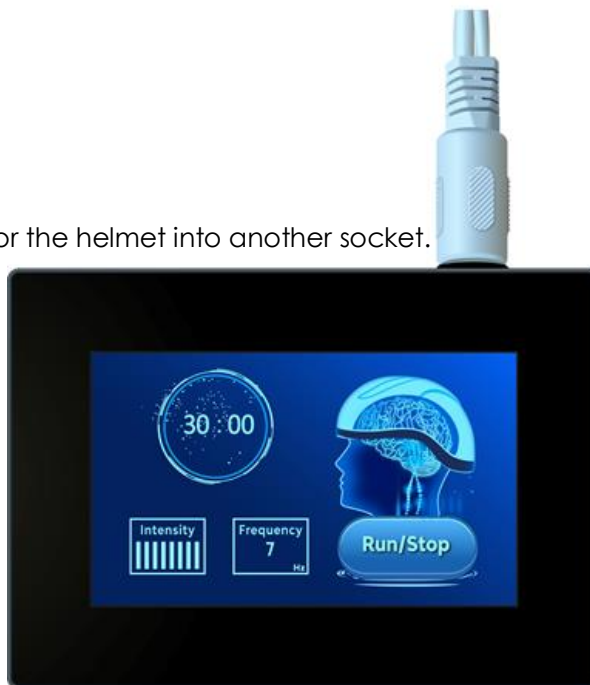


2. Connect the right-angle connector of the grey Y-Cable to the port of the helmet and the double connector to the control unit.
3. Connect the single connector to the round power cord (black cable).
4. Connect the power adapter to the power cord (flat cable) that holds the power plug.
5. Connect the power adapter for the control unit with the black cable that comes out of the control unit and put the plug into a socket.

# Operation

1. Put the power plug for the helmet into another socket.

The start display of the control unit appears after a short melodic trailer.



2. Place the helmet on your head with the cable port facing the back.
3. Touch the "Intensity" field repeatedly to set the intensity. There are 4 intensity levels (25-50-75-100%).
4. In order to adjust the frequency, touch the field "Frequency". A small window opens so that you can set your frequency.

1	2	3
4	5	6
7	8	9
0	DEL	OK

You can choose from 1Hz to 20,000 Hz.

Corrections can be made by touching the delete "DEL" button.

Confirm your setting by pressing "Ok".

If you want to use the helmet in continuous mode, insert "0" and press "Ok"

Please note that frequencies can only be selected at an intensity of 25, 50 or 75 %. When intensity is 100% the helmet runs in continuous mode only.

5. Press the "Time" button to set the desired time (1-30 minutes). Recommended treatment time is 30 minutes a day.
6. Press the "Run/Stop" button to activate the LED diodes. The helmet on the display starts flashing to indicate that the diodes are active.
7. The helmet beeps 5 times once the time has elapsed to inform you that irradiation has stopped.

## After operation

Take the helmet off your head. Make sure that the diodes are switched off. Actuate the flip switch to turn off the control box. Only then pull the plug out of the socket.

Never pull the plug out of the socket during operation!

Ideally store the helmet and its supplies in the provided bags it arrived in. Store the power adapter in the slot inside the case so that it does not get lost or damaged.

## Cleaning

Always unplug the device from the power outlet prior to cleaning it. Failure to do so may result in an electrical hazard that can cause harm or injury.

Simply wipe the inside and outside with a damp cloth to remove any oils or residue. It is important to keep the inside clean as efficacy may be reduced if the inner clear section becomes dirty.

## Troubleshooting

If you have any issues or concerns about your helmet, please don't hesitate to get in touch.

Avoid dropping the device, as this may cause the device to malfunction and become damaged. If you drop the helmet or suspect device malfunction (e.g. device exterior cracks, LEDs do not light up, the device does not turn on), contact W Medical Systems to request repair or replacement.

Do not operate the device if it is damaged.

Note: This equipment has no user-serviceable parts. Do not attempt to modify or repair the equipment.

## Warnings and cautions

### Warnings

- Keep the device out of reach of children and pets.
- Do not use the device when your hair is wet. Dry your hair before use. Wet hair may result in electric shock or prevent the light from being delivered to the scalp.
- Keep the device away from water.
- Always keep the cords away from hot or heated surfaces such as radiators, stoves, ovens or room heaters. If a cord contacts a hot or heated surface, it can cause the product to malfunction and may result in an electrical shock.
- Discontinue use of the device if scalp itching or tingling occurs and lasts more than one hour after completion of a treatment session. If the problem continues for more than one hour after treatment, discontinue usage and consult with a physician.
- Always unplug the device from the power outlet and never leave it unattended while it is plugged in.
- Do not put tension on the cords while handling, untangling or straightening the cords. The tension may break the cord, which can result in a malfunction or electrical hazard.

## Cautions

- Only use the device as directed. Do not try to change the way your device operates. Altering controls, adjustments, performance or procedures other than those specified herein may result in hazardous radiation exposure.
- Never use acetone or other solvents on any part of the device. Use of solvents can block the light from coming through.
- Use only the power adapter provided with the device.

## Indications

The helmet is designed as a wellness device to improve microcirculation.

## Contraindications

The infrared helmet is contraindicated in the following situations:

- Do not use the device if you have brain aneurysms or scalp tumors.
- Do not use the device if you are taking medications or if you have any medical condition which makes your skin sensitive to sun or artificial light. If you are taking any medications or products that make you sensitive to light, you should test the device to make sure you do not have a reaction. Substances that can cause increased light sensitivity include drugs against colds, infections, allergies and pain.
- Do not use the device if you have sensitive skin or if you are allergic to this specific wavelength of light (810nm). Sensitive skin or an allergic reaction can result in an itchy sensation of the scalp or sunburn-like redness. If these occur, seek medical care from a physician.

## Warranty

The warranty on materials and manufacturing defects is one year and begins from the date of purchase. Please keep your receipt as proof of purchase. Defective parts may be returned to the service address below during the warranty period. Please affix sufficient postage.

We will send you a new or repaired device free of charge. After repair or replacement, no new warranty period starts.

The guarantee does not apply in the case of damage caused by improper use, wearing parts and for defects which were already known by the customer when the product was bought.

Items that are damaged or abused, as the result of user error or failure to follow instructions provided, are not covered under the warranty and will be charged at standard repair rates.

Even after the warranty period, it is possible to send a defective device for repair to the service address below. Please do not forget to affix sufficient postage. Repairs that are needed after the warranty period are subject to charges.



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