# Pulsed ElectroMagnetic Field Therapy


## 48-HG

## User Manual

## What's Included in the Box

Control unit
48 V medical grade power supply
16 cm treatment disc
30 cm x 57 cm treatment mat
User Manual
Warranty Registration Card

## Device Specifications

| | |
|---|---|
| Voltage input: | 120 to 230 VAC, 50 to 60Hz |
| Current input: | 1.5 Amps maximum |
| Dimensions: | 22cm x 14.5cm x 5.5cm |
| Weight: | 1.2kg |
| Shipping weight: | 2.0kg |
| Enclosure Type: | IP22 |

## Indications for Use

Temporarily reduces pain and inflammation, and temporarily improves range of motion of the area treated.

## Description

The device is comprised of two independent therapy devices that can be used together or separately. The device provides Pulsed Electro Magnetic Fields (PEMF) stimulation and healing.The device offers seven different treatment cycles that emulate different brain wave frequency ranges as well as one treatment cycle for PEMF subtle energy therapy. The device is also a PEMF device when used at any setting on any part of the body.

Extensive literature and research correlates the different brain wave frequencies to different states of brain activity and states of mind:

- Delta brain waves are associated with deep sleep
- Theta brain waves are associated with light meditation, the transition before sleep and just after waking
- Alpha brain waves are associated with deep relaxation and creativity
- Beta brain waves are associated with a heightened state of alertness, focused concentration and critical reasoning
- Gamma waves are associated with bursts of insight and high-level information processing

The different programs provided by the device create an environment for the brain to align with a range of PEMF frequencies that emulate the different brain wave states.

## Frequency of Use

There are no limits to the amount of time or the number of treatments this device can be used for. However, multiple treatments of the same area at the same setting on the same day do not offer additional therapeutic benefits.

## Contraindications

DO NOT USE within 25 cm of pacemakers, defibrillators or any other implanted electronic devices.

DO NOT USE soon after taking any medication.

Consult your health care provider to discuss using the device if you think you are at risk for any of these contraindications.

## Precautions

Users with heart problems should consult their physician before using the device.

Users with suspected or diagnosed epilepsy should consult their physician before using the device.

Users taking pain, anxiety, depression or any other medication should be carefully monitored when using the device as medication effectiveness may be intensified.

DO NOT use the device near credit cards, security access cards, car keys, hearing aids, watches, cell phones, iPODS, laptops, remote controls, or any other electronic media. The electromagnetic fields may disrupt their functioning and/or demagnetize them.

DO NOT USE in wet environments. Do not immerse any part or pour any liquids on the device.

Keep away from sources of heat and moisture.

Keep the device out of the reach of children! Children may be at risk of strangulation with the power cord and the treatment coil pigtails or risk of asphyxiation with the packing materials.

## Adverse Reactions

There are no known negative side effects, or reported adverse or allergic reactions with the use of this device.

Detoxification may occur after treatment. Drink plenty of water after treatment.

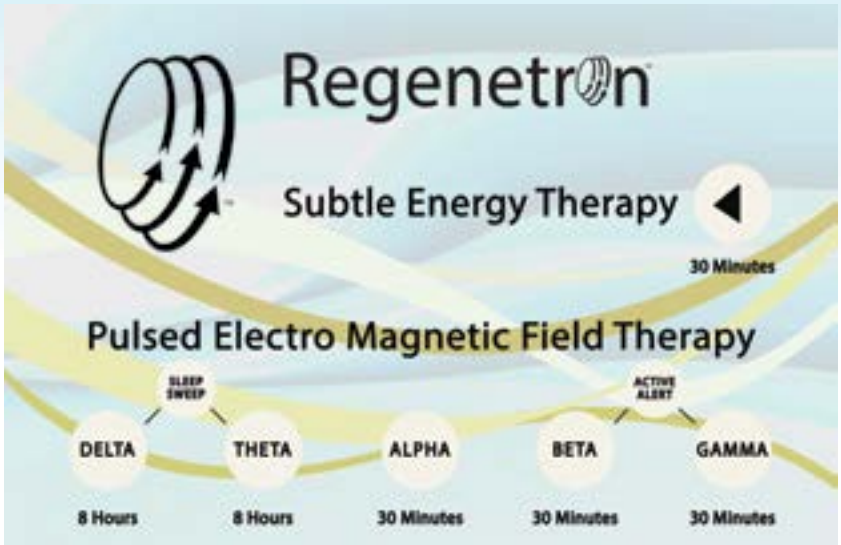
In case of any adverse effects or allergic reaction, stop using the device and consult a physician.

This device has four components, a control unit that generates pulsed electromagnetic fields (PEMF) of different intensities, a removable treatment coil and a removable treatment mat that transfer the therapeutic pulsed electro-magnetic fields to the body, and a power supply that is plugged into the MAINS and the back of the control unit to provide electrical power. It is designed to allow users to safely treat inflamed and painful areas of the body when used according to the "Directions for Use". It is important to read this entire manual before using the device. No undesirable side effects have been reported with the use of this device. Pre-clinical testing has demonstrated that this device is safe for use when used according to the instructions in this manual.

## User Controls and Symbols

The device has eight different pushbutton switches that each begins a treatment for a preset amount of time in a specific range of frequencies.

| | |
|---|---|
| Subtle Energy Therapy | 7.83 pulses per second |
| Delta | Sweeps 1 to 3 pulses per second |
| Sleep Sweep Program | 45 min. Sleep Sweep followed by a 7 hour pause & 30 min.Active Alert |
| Theta | Sweeps 4 to 7 pulses per second |
| Alpha | Sweeps 8 to 12 pulses per second |
| Beta | Sweeps 13 to 30 pulses per second |
| Active Alert | Sweeps 13 to 100 pulses per second |
| Gamma | Sweeps 30 to 100 pulses per second |




## Definition of Symbols, Labels and Markings

**Read the entire User Manual BEFORE using the Regenetron**

Type B Applied Parts

Type II Equipment

Non-ionizing Radiation

MD Medical Device

REF Catalogue or Reference Number

SN Serial Number

20XX Manufacturer's Identification with Date of Manufacture

# Directions for Use

## Getting Started

Use device at ambient temperture between +5 to +30 degrees Celsius; relative humidity 15% to 93% non-condensing and an atmospheric pressure of 700 hPa to 1060 hPa.

Connect the power supply into the MAINS and into the MAINS socket on the back panel of the device.

Always plug the treatment coil and mat BNC connectors into the connector sockets on the back panel of the device before selecting a treatment. Both the treatment coil and mat can be plugged in and used at the same time.

## Inserting/Changing a Treatment Coil

Do not plug or unplug a treatment coil or mat during a treatment cycle.

Insert the treatment coil and mat BNC connectors by pushing them into the connector sockets and twisting clockwise to lock them in place.

Remove the treatment coil and mat by twisting the BNC connectors counterclockwise and pulling them out.

## Beginning Treatment

Users can remain fully clothed and no direct contact between the treatment coil or mat and the skin is necessary for the treatment to be effective.

Place the treatment coil and mat on or under the desired treatment area. The closer the coil or mat are to the treatment area, the more effective the treatment will be. Two different areas on the same person or two people can be treated at the same time.

Press the desired pushbutton to begin one of the seven preset brainwave treatment cycles along with the Subtle Energy Therapy treatment. The corresponding blue light comes on. For one of the brainwave treatments alone, press the Subtle Energy pushbutton to turn it off. The Subtle Energy light will turn off.

The Subtle Energy treatment can be used alone by only pressing its corresponding pushbutton.

You may switch back and forth between treatments by pressing their respective pushbuttons. Each treatment has a corresponding blue light.

## Pausing/Resetting/Ending the Treatment

Briefly pressing a lit pushbutton after treatment has begun places the treatment on pause. The corresponding light flashes. Pressing the lit pushbutton once more resumes the treatment.

Holding a lit pushbutton down until the device beeps stops the treatment cycle.

# TROUBLESHOOTING

With the PEMF power supply connected to the MAINS and to the device, press any of the treatment pushbuttons on the top of the device control unit. Each treatment has a corresponding blue light blinking pattern.

If the light does not come on, does the control unit make any beeping sounds?

If the control unit emits a beep sound, proceed to identify the beep sequence to remediate.

## Beep code sequences:

- ***Single Beep*** = End of Session. Press any treatment pushbutton to begin a new treatment.
- ***Three Short beeps*** = Device is overheating. Shut down and let the device cool down for ten minutes. Restart by pressing any treatment pushbutton.

## If there are no lights or beeping sounds:

- Make sure the PEMF power supply is properly connected at the control unit and at the MAINS.
- Make sure the MAINS outlet is functional. Plug something else into the MAINS outlet to see if it works.

If the MAINS power source functions but the device still does not, contact the manufacturer to get a Return Merchandize Authorization (RMA) number.

# Maintenance

## Service

This device has no components that degrade abnormally over time.

The device has no user serviceable parts and must be returned to the manufacturer for servicing.

Treatment discs, mats and 48V medical grade power supplies are available from the manufacturer.

REMOVING THE COVER OR TAMPERING VOIDS THE WARRANTY.

Contact the manufacturer if something unexpected happens or for assistance in setting up, using or maintaining the device.

## Disposal

This device is an electronic device. Electronics should never be disposed of with regular trash. Take non-working electronics to an electronics recycling center.

## Cleaning

There is no mandatory or scheduled cleaning, maintenance or sterilizing necessary.
If you choose to clean the device:

- DO NOT immerse any part or pour any liquids on the device,
- Disconnect the device from the MAINS before cleaning.

# Storage & Transportation

Keep the device dry and store in a dry place. Storage in a damp place may cause corrosion.

Store and transport at temperatures between 10° to 50°C at a relative humidity of up to 93% non-condensing.

To transport the device, remove the power supply as well as the detachable treatment coil and mat from the control unit then pack all the parts of the device securely.

# WARRANTY

The Warranty Registration Card must be filled out and returned to the manufacturer within 30 days of the date of purchase to activate the warranty.

The manufacturer warranties this device to operate properly for a period of three years from the date of the original purchase invoice. In the event of a malfunction during the warranty period, the manufacturer will, at its discretion, replace or repair the device to its original operating condition. Freight and insurance to and from the manufacturer's repair facility are not included. Freight and Insurance are the responsibility of the registered owner.

A Return Material Authoriation (RMA) number must be obtained from the manufacturer prior to returning any device or accessory for service. The device must be delivered with the RMA freight paid with the registered owner's name and address and a brief description of the difficulties encountered. The device is to be shipped to the address designated by the manufacturer.

Such service, repair or adjustment of the device is guaranteed to the original purchaser provided the device has not been tampered with, does not have any physically broken parts and the control unit was not opened, altered or damaged as a result of misuse, accident, water, grit, impact, or lack of proper care.

EC REP

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