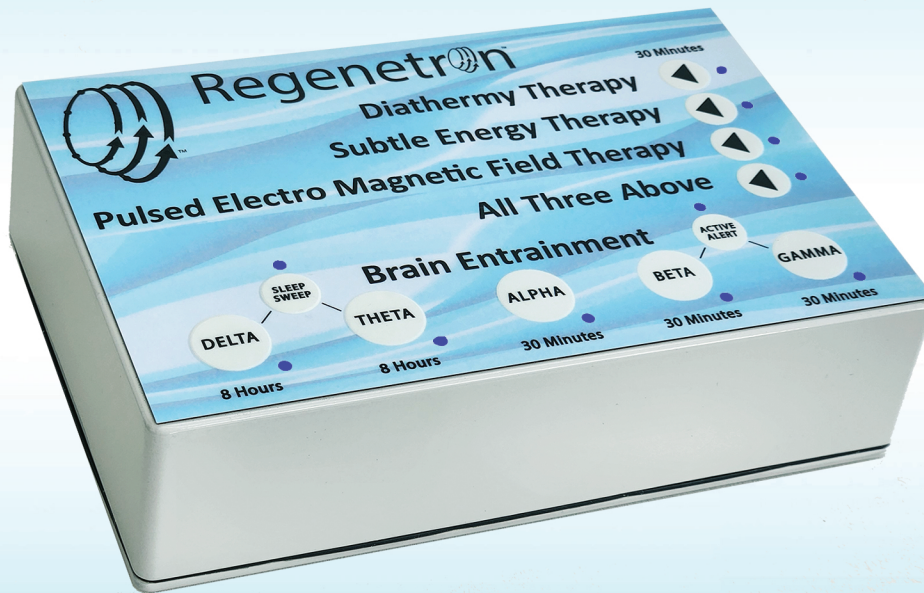


# *Pulsed ElectroMagnetic Field Therapy*



**48D-HG**  
**User Manual**

## **WHAT'S INCLUDED IN THE BOX**

PEMF generator control unit  
48 V medical grade power supply  
16 cm/ 6.3" treatment disc  
30 cm x 57 cm / 11.8"x22.4" treatment mat  
User Manual - Warranty Registration Card  
Enclosure Type: IP22

## **DEVICE SPECIFICATIONS**

Voltage input: 120 to 230 VAC, 50 to 60Hz  
Current input: 0.2 Amps maximum  
Dimensions: 22cm x 14.5cm x 5.5cm  
8.7"x5.7"x2.2"  
Weight: 1.2kg / 2.65lbs  
Shipping weight: 2.0kg / 4.4lbs

## **INDICATIONS FOR USE**

Temporary reduction of pain and inflammation, increased blood circulation and relaxation of muscles in the area treated and brain entrainment.

## **DESCRIPTION**

The PEMF generator offers three independent therapy devices that can be used together or separately. The PEMF generator provides Pulsed Electro Magnetic Fields (PEMF) stimulation and healing. The PEMF generator offers seven different treatment cycles that emulate different brain wave frequency ranges. The PEMF generator has a separate treatment cycle for Diathermy and PEMF subtle energy therapy. The PEMF generator also provides PEMF stimulation when any of the settings are used 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 waves (0.5 – 4 Hz) are associated with deep sleep
  - Theta waves (4 – 7 Hz) are associated with light meditation, the transition before sleep and just after waking
  - Alpha waves (7 – 13 Hz) are associated with deep relaxation and creativity
  - Beta waves (13 – 30 Hz) are associated with a heightened state of alertness, focused concentration and critical reasoning
  - Gamma waves (30 – 100 Hz) are associated with bursts of insight and high-level information process
- The different programs provided by the PEMF generator 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 PEMF generator can be used for. However, multiple treatments of the same area on the same day do not offer additional therapeutic benefits.

## **CONTRAINDICATIONS**

DO NOT USE within 25 cm/ 10" of pacemakers, defibrillators or any other implanted electronic devices.

DO NOT USE soon after taking any medication, or after receiving chemotherapy or other cancer treatment as PEMF stimulation may enhance their effectiveness.

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 conditions, suspected or diagnosed epilepsy, any serious health conditions, illnesses, or acute trauma should consult their physician before using the device.

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

## GENERAL SAFETY

DO NOT use the PEMF generator near credit cards, security access cards, car keys, hearing aids, watches, cell phones, iPODS, laptops, remote controls, or any other electronic media. The electro magnetic 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 PEMF generator out of the reach of children! Children may be at risk of strangulation with the power cord and/or treatment coil pigtails and risk 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 PEMF generator.

Detoxification may occur after magnetic stimulation. Drink plenty of water after treatment for the following 24 hours.

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

## DEFINITION OF SYMBOLS, LABELS AND MARKINGS



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



Type B Applied Parts



Type II Equipment



Non-ionizing Radiation



Medical Device



Catalogue or Reference Number



Serial Number



<sup>20XX</sup>Manufacturer's Identification  
with Date of Manufacture

This PEMF generator 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 electromagnetic fields to the body, and a power supply that is plugged into the MAINS and the back of the PEMF generator control unit to provide electrical power. The PEMF generator 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 PEMF generator. No undesirable side effects have been reported with the use of this PEMF generator. Pre-clinical testing has demonstrated that this PEMF generator is safe for use when used according to the instructions in this manual.

## USER CONTROLS AND SYMBOLS

The PEMF generator has eleven different pushbutton switches. Each begins a treatment for a preset amount of time in a specific range of frequencies.

### Diathermy Therapy

**Non-thermal Diathermy** 27 MegaHertz oscillating frequency

### Subtle Energy Therapy

**Low Power PEMF** 7.83 pulses per second

### PEMF Therapy

**High Power PEMF** 10 pulses per second

### Brain Entrainment

**Delta** Sweeps 1 to 3 pulses per second

**Sleep Sweep** 45 min. Sleep Sweep followed by a 7 hour pause & 30 min.Active Alert

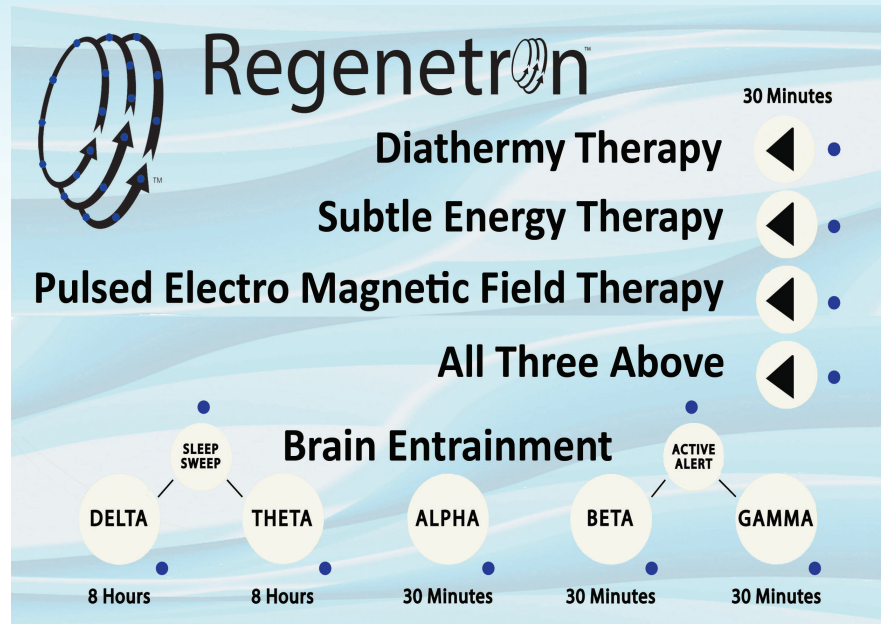
**Theta** Sweeps 4 to 7 pulses per second

**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



## TREATMENT COILS



**PADDLE** 5.5" / 14cm      **MAT** 12" x 22" / 22cm x 56cm  
**Pigtail length: 5 ft./ 1m52**

# **DIRECTIONS FOR USE**

## **Getting Started**

Use the PEMF generator at ambient temperature between +5 to +50 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 PEMF generator.

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 both the treatment coil and the mat BNC connectors by pushing them into the connector sockets on the PEMF generator control unit and twisting clockwise to lock them into 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 PEMF stimulation treatment to be effective.

Place the treatment coil and mat on or under the desired treatment area. The closer the coil and the mat are to the treatment area, the more effective the PEMF stimulation 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. The Diathermy and the Subtle Energy Therapy treatments can be turned on simultaneously with the selected Brain Entrainment by pressing their corresponding pushbutton. The corresponding blue lights will come on as well. Press and hold any of the pushbuttons to discontinue the corresponding treatment. The corresponding blue lights will turn off.

The the Diathermy, the Subtle Energy Therapy, the PEMF Therapy or all three treatments can be used alone by pressing their corresponding pushbutton.

You may toggle between the five brain wave treatment options by pressing their respective pushbuttons. Each treatment has a corresponding blue light that turns on and off when your turn the selected treatment on or off.

## **Pausing/Resetting/Ending the Treatment**

Briefly pressing a lit pushbutton after treatment has begun places the treatment on pause. The corresponding light flashes. Briefly 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 PEMF generator, press any of the treatment pushbuttons on the top of the PEMF generator control unit. Each treatment has a corresponding blue light blinking pattern.

If the light does not come on, does the PEMF generator make any beeping sounds?

### **If the control unit emits a beep sound:**

Proceed to identify the beep sequence the PEMF generator emits:

- ***Single Beep*** = End of Session  
Solution: Press any treatment pushbutton to begin a new treatment.
- ***Three Short beeps*** = Device is overheating  
Solution: Shut down and let the PEMF generator 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 PEMF generator 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 PEMF generator still fails to start or function properly, contact the manufacturer, listed on page 8 to get a Return Merchandise Authorization (RMA) number. Disconnect the coil and the power cord. Package the PEMF generator securely and return it to the manufacturer for servicing with the RMA number and your contact information.



## **MAINTENANCE**

### **Service**

This PEMF generator is a sealed unit and has no components that degrade abnormally over time.

The PEMF generator 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 WITH THE PEMF GENERATOR VOIDS THE WARRANTY.

Contact the distributor for assistance in setting up, using or maintaining the PEMF generator.

### **Disposal**

This PEMF generator 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 PEMF generator,
- Disconnect the PEMF generator from the MAINS before cleaning.

## **STORAGE & TRANSPORTATION**

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

Store and transport at temperatures between 5° to 50°C at a relative humidity of up to 93% non-condensing.

To transport the PEMF generator, remove the power supply as well as the detachable treatment coil and mat from the control unit then pack all the parts of the PEMF generator 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 warrants this PEMF generator 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 PEMF generator 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 Authorization (RMA) number must be obtained from the manufacturer prior to returning any PEMF generator or accessory for service. The PEMF generator must be delivered with prepaid freight, the RMA provided, the registered owner's name and address, and a brief description of the difficulties encountered. The PEMF generator is to be shipped to the address designated by the manufacturer.

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



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