

Magnus Pro USER Guide For Humans



Revised July 1, 2023

Pulse Electro-Magnetic Field Therapy
for use as an aid in the management of
musculoskeletal disorders.



Basic facts you'll want to know:

PEMF therapy is non-invasive, physical contact with the device is not even required.

PEMF therapy regenerates damaged and diseased tissue, repairs torn tendons and fractured bones.

PEMF therapy enhances the synthesis of protein within cells, allowing the body to take advantage of all the protein available.

PEMF therapy improves circulation, not by increasing heartbeat or blood pressure, but by opening and dilating the arteries and capillaries. This also reduces swelling.

PEMF therapy increases the cellular level of oxygen absorption. Studies have shown that oxygen partial pressure can be increased by 200%. This reduces pain associated with a lack of sufficient oxygen, in cells, which often causes lactic acid buildup under strenuous exercise.

PEMF therapy is particularly effective in treating deep muscle soreness because of its penetration.

USER CONTROLS AND SYMBOLS

First familiarize yourself with the control interface under the lid

One or two sets of coil connector sockets allow application coils to be safely and securely locked into place.



MAINS socket to plug in the medical grade power cord.



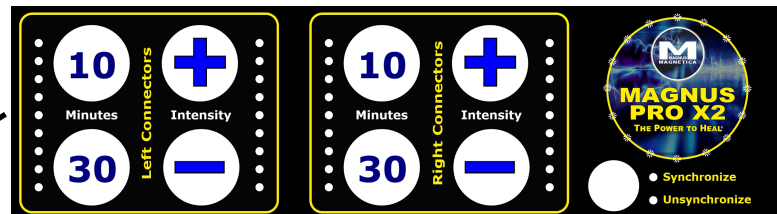
The MAINS power rocker switch turns the device on "I" and off "O".

Both models have:

1. Vertical blue lights to the LEFT of the timer buttons. These stacked LED's illuminate when a cycle begins and turn off incrementally as session progresses.

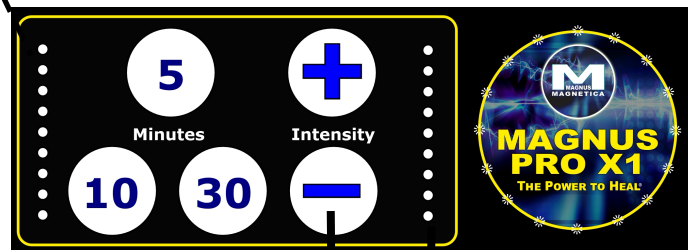
2. Vertical blue lights to the RIGHT of the timer buttons. These stacked LED's illuminate when the intensity is changed with the Plus or Minus button.

Magnus Pro X2 Models have preset 10 minute or 30 minute pushbuttons; press one to begin a session



Magnus Pro X2 Models have dual outputs that send independent PEMF signals from the device to its respective accessory. Pressing the Synchronize button enables the frequency and intensity of one output to be the same as the other output.

Magnus Pro X1 models have preset 5 minute or 10 minute or 30 minute pushbuttons; press one to begin a session



The LED lights encircling the Magnus Pro logo will illuminate when the device is running

Intensity pushbutton + plus and - minus :

Press plus to increase or minus to decrease the intensity to one of the nine preset intensity levels. One to nine blue lights will illuminate.

DIRECTIONS FOR USE



Magnus Pro X1 Model



Magnus Pro X2 Model

The MAINS power rocker switch turns the unit on "I" and off "O". Use the MAINS socket to plug in the medical grade MAINS power cord.



The exterior coil connector sockets allow application coils/accessories to safely and securely be locked into place.

Magnus Pro X1 Models have one set.

Magnus Pro X2 Models have two sets.

Close these protective covers when not in use.

Getting Started

Connect the power cord into the MAINS socket on the back of the device.

Always lock a treatment coil connector into the connector socket on the front of the device before turning the MAINS power switch on "I". The device will not start if the treatment coil is not properly connected.

Application Cycles

Depending upon your Magnus Pro Model an application cycle can last 5 minutes, 10 minutes or 30 minutes. Press the desired membrane timer button to commence a session. Each application cycle may be set at one of nine intensity levels by pressing the plus or minus buttons. A corresponding number of stacked lights to left of the timer buttons will illuminate.

Intensity Settings

The pulse rate/intensity button a **+ or -** sign increases the intensity of the electro-magnetic pulse as it decreases the pulse rate. The pulse intensity can be adjusted from low (bottom LED light) to high (top LED light).

More about inserting/Changing an Applicator Coil

To connect an applicator coil, align the metal tab on the coil connector to an “11:00 o’clock” position with the metal tab on the coil connector socket of the device. Push the connector into the socket, then turn right until you hear a “click”. The applicator coil is then locked into place. To remove the applicator coil, pull the metal tab back and turn the end of the coil connector to the left (counter-clockwise) to disengage and pull it out. Do not plug or unplug the applicator coil during any active session.

Magnus Pro X2 Models have a second set of exterior sockets on the right side of the device.



11 o'clock position



Press into the socket



Turn right to lock in

Beginning a Session

Press the MAINS power rocker switch to “1” to turn the device on. Place an applicator coil on or around the targeted area on the user. The closer the coil is to the targeted area, the more effective the application cycle will be. See Usage Hints on the following page.

Press the 5 minute, 10 minute or 30 minute timer button to begin the session. Blue lights spiral when a session begins. The lights turn off and the device emits a single long beep when the session ends. Press the 5 minute, 10 minute or 30 minute again to begin

Pausing/Resetting/Ending the Session

During a session, briefly press the active pushbutton to pause the session. The corresponding blue light flashes continuously while in “paused mode”. To resume the session, briefly press the same pushbutton again.

To end the session cycle prior to completion, press and hold the active pushbutton until you hear a single long beep and the led lights turn off.



Watch a video on use of PEMF technology on Humans.

Go to : <https://youtu.be/eg9jpu3o2CE>

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Introduction Process:

- Introduce the Loop - turn the Device on a low intensity setting
- Avoid any and all "surprises".
- For a new User maintain contact with one hand as you slowly bring the Loop toward the targeted body part.
- The primary goal is to remain relaxed.

Approach Targeted Areas Slowly:

- At a Fast Pulse rate (low intensity) approach treatment areas slowly/carefully.
- Watch for signs of discomfort or alarm.
- If you are treating an area with an open wound or suture, always consult a Licensed Medical Professional

MAINTENANCE

Service

- The device has no user serviceable parts and must be returned to the manufacturer for servicing.
- Application coils, mats and MAINS power cords are available from the manufacturer.
- The device is a sealed unit and lint, dust, light, including sunlight, etc. have no effects on it.
- Dangerous Voltage inside; DO NOT remove the cover or tamper with the device.

REMOVING THE COVER OR TAMPERING WITH THE DEVICE VOIDS THE WARRANTY.

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

CONTRAINDICATIONS

- The use of rubs or solutions, while using pulsed magnetic therapy, must be monitored. When using a LOW setting, do not use any iodine based lead paints. Iodine induces heat and this will interfere with the effectiveness of the LOW setting (which is to reduce heat in the area).

Note: Something to watch for when you begin a session; it is common to see a user look extremely relaxed.

GENERAL CAUTIONS AND WARNINGS

- CAUTION: Should pain, swelling, inflammation or lameness become worse at any time, discontinue use of PEMF therapy and consult a medical professional immediately.
- WARNING: Pulse Electro-Magnetic Fields are in use with this equipment and may interfere with human medical devices such as pacemakers and electronic stimulators.

TROUBLESHOOTING

If the device fails to function, use the following troubleshooting steps:

- If there are beeping sounds:

Proceed to identify the error beep code the device emits.

Single two second beep: End of session. Solution: Press a start pushbutton to begin a new treatment.

- Three short beeps & one long beep: The coil is not connected properly or was disconnected while the device was in use. Solution: Connect the coil properly and press a start pushbutton to begin a treatment.
- Two short beeps three times, followed by one long beep: Device overheating. Solution: Allow the device to cool down for 10 minutes by leaving the power on while no session is activated. The cooling fan will cool the device. Press a start pushbutton to begin a session after the 10 minutes have elapsed.

If the lights do not illuminate and there are no beeping sounds: Make sure the MAINS power cord is properly connected at the control unit and a MAINS outlet. Make sure the MAINS outlet is functioning. Try plugging another electrical appliance into the outlet to determine if it works. If the outlet works, test the device with another MAINS power cord.

If the device still fails to start or function properly, contact the manufacturer, listed on the enclosed Warranty Card to get a Return Merchandise Authorization (RMA) number. Disconnect the coil and the power cord. Package the device securely and return it to the manufacturer for servicing with the RMA number and your contact information.

STORAGE AND 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.
- Remove the MAINS power cord and the detachable treatment coils from the control unit and pack all parts of the device securely before transporting.

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 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 Authorization (RMA) number must be obtained from the manufacturer, through the distributor, prior to returning any device or accessory for service. Got to www.magnusmagnetica.com/warranty.

The device 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 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.

If your device has a 7 year Extended Warranty go to www.magnusmagnetica.com/warranty to view terms and conditions

Compliance with the following Electrical Safety Standards:

- IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007)
- EN 60601-1:2006+A11:2011
- CAN/CSA-C22.2 No. 60601-1

Compliance with EMC/EMI standards:

- IEC 60601-1-2:2007 ed3.0 (with A1:2008+A2:2009)
- CISPR11 ed5.1 (with A1:2010) Class B
- CISPR11 ed5.1 (with A1:2010) Class B
- IEC 61000-3-2 ed3.0 (with A1:2008+A2:2009)
- IEC 61000-3-3 ed2.0 (2008-06)
- IEC 61000-4-2 ed2.0 (2008-12)
- IEC 61000-4-3 ed3.0 (with A1:2007+A2:2010)
- IEC 61000-4-4 ed3.0 (2012-04)
- IEC 61000-4-5 ed2.0 (2005-11)
- IEC 61000-4-6 ed2.0 (with A1:2004+A2:2006)
- IEC 61000-4-11 ed2.0 (2004-03)

Magnus Magnetica, LLC
1555 East New Circle Road Suite 142-214
Lexington, KY 40509
323.680.5411
www.MagnusMagnetica.com

MANUFACTURER'S INFORMATION:

PEMF Systems, Inc.
+1 (702) 448-2660
support@pemfsystems.com www.pemfsystems.com

Pulsed ElectroMagnetic Field Generator

EC REP QARAD CIPALSTRAAT 3 B-2440 GEEL BELGIUM 0413

2020 - MADE IN USA
www.pemfsystems.com

PEMF Systems, Inc.
15131 Califa Street
LA, CA 91411
001-702-448-2660

VOLTS: 120-230VAC 50-60Hz
AMPS: 1 Fuse: 3A 250VAC
STORAGE: -25 to 70°C IP: 21

User Manuals at www.pemfsystems.com/500-HN.pdf
No User Serviceable Parts - Removing Cover Voids Warranty

Conforms To
AAMI STD ES60601-1
IEC STD 60601-1-6
IEC STD 60601-1-11
Certified To
CSA STD C22.2# 60601-1

REF 500-HN
SN

Pulsed ElectroMagnetic Field Generator

PEMF Systems, Inc.
Las Vegas, NV 89123 USA
www.pemfsystems.com
001-702-448-2660

2020 - MADE IN USA
Vesper Manufacturing
14556 Weddington St.
LA, CA 91411 USA

VOLTS: 120-230 VAC: 50-60Hz
AMPS: 1.5A FUSE: 2A 250VAC
STORAGE: 0 - 50°C

No User Serviceable Parts Inside - Removing Cover Voids Warranty

Conforms To
AAMI STD ES60601-1
IEC STD 60601-1-6
IEC STD 60601-1-11
Certified To
CSA STD C22.2# 60601-1

REF XXXX-XXXX
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