

# infinity PULSE

SPECTRUM PEMF  
TECHNOLOGY

USER MANUAL

Welcome to the world of innovative wellness technology with the INFINIA PULSE system!

Experience a unique approach to enhancing your quality of life through pulsed electromagnetic field (PEMF) therapy.

This user guide is designed to walk you through the features, safety information, and optimal use of your INFINIA PULSE device. What sets this device apart is its high-intensity pulses and dynamic frequency variation within the 50–900 Hz spectrum.

Thank you for choosing the INFINIA PULSE device. Enjoy the experience and the transformative power of pulsed electromagnetic fields!

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PEMF (Pulsed Electromagnetic Field) therapy is a non-invasive method that uses precisely tuned electromagnetic pulses to interact with the body's systems at the cellular level. The device emits electromagnetic impulses that penetrate deep into the tissues, stimulating natural cellular processes, supporting regenerative mechanisms, energy balance, and overall well-being.

**The INFINIA PULSE device stands out in the world of PEMF technology due to its use of dynamic frequency variation within a single session. This allows it to target and stimulate multiple types of tissue in the affected area, enhancing therapeutic effectiveness and treatment depth.**

Regular use of PEMF therapy may promote:

- a sense of relaxation and balance
- reduction of inflammation
- support for natural regenerative processes
- improved microcirculation and tissue oxygenation
- decreased sensations of pain and stiffness
- enhanced sleep quality and overall relaxation

The device is intended for professional users in the wellness field, as well as for individuals who wish to perform PEMF treatments in the comfort of their own home. For home use, it is recommended to consult your physician or therapist before using the device.

PEMF treatments are designed for adults without medical contraindications. The device is not intended for use by children under the age of 14. Individuals who are unable to understand and follow instructions independently must be supervised by a qualified person while using the device.

## 1

# INTRODUCTION

What is PEMF?

Device description and application

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Using the INFINIA PULSE device is intuitive and straightforward. The system consists of the following components:

- Control unit(1)
- Output unit (2) with accompanying power supply (3)
- Communication cable (4)
- Applicators (5)

The output unit connects to a wall outlet using the power cable and is linked to the control unit via the communication cable. Detailed instructions for setup, feature operation, and device use can be found in this manual.

Before use, please ensure you review the safety guidelines and contraindications.



1. **Read the Instructions Carefully** - Before use, thoroughly read this manual and follow all manufacturer recommendations.
2. **Device and Power Check Before Use** - Ensure the device, cables, and applicator are in proper working condition, with no visible damage. Do not use the device if it appears faulty. Check the quality of grounding in your electrical installation.
3. **Proper Installation and Setup** - The device must be correctly connected and placed on a stable, flat surface, away from heat sources and flammable materials.
4. **Protection from Moisture and Liquids** - Do not use the device in damp environments or near water to avoid electric shock, short circuits, or damage.
5. **Adequate Ventilation** - Do not cover the device to prevent overheating and to ensure safe operation.
6. **Safe Distance** - Keep the device at least 3 meters (10 feet) away from sensitive electronics (e.g., mobile phones, computers, car keys), credit cards, and magnetic media, as the strong electromagnetic field may cause interference or damage. Refer to the manual for detailed contraindications. Individuals with such conditions should not be exposed to the device.
7. **Treatment Duration and Applicator Use** - Do not use the device for more than 60 minutes per person per day to avoid potential side effects. For frequent use, a break of at least one week is recommended after four weeks of continuous treatment. Do not place the applicator on mucous membranes or directly on damaged skin.
8. **Supervision During Use** - The device must not operate unattended. After the session ends, disconnect the device from the power supply and store it in a dry, safe place.
9. **Maintenance and Cleaning** - Clean the device regularly to prevent dust buildup and ensure proper function. Use only approved accessories and components.
10. **Children and Pets** - Keep the device out of reach of children and pets to avoid injury or damage.
11. **Monitor On-Screen Warnings** - Pay attention to any messages or indicators on the display that may signal malfunctions or maintenance needs.
12. **Safe Power-Off and Repairs** - Always unplug the device after use. Do not attempt to repair the device yourself — contact the manufacturer or an authorized service center in case of malfunction.

Before using, it is strongly recommended to carefully review the safety guidelines and instructions to ensure the safe and effective operation of the device.

Individuals with existing health conditions, unexplained symptoms, or those undergoing pharmacological treatment are advised to consult with a physician prior to starting PEMF treatment.

#### ABSOLUTE CONTRAINDICATIONS

**The device must not be used in the following cases, as there is a significant risk to the user's health:**

**Implanted Electronic Devices** - Individuals with pacemakers, insulin pumps, neurostimulators, or other implanted electronic devices must not use PEMF therapy, as electromagnetic fields can interfere with the functioning of these devices.

**Pregnancy** - Due to a lack of safety data regarding use during pregnancy, the device is not recommended for use by pregnant individuals.

**Epilepsy and Severe Neurological Disorders** - Individuals with epilepsy or a history of seizures should not use the device, as electromagnetic fields may trigger seizures.

**Malignant Conditions** - Individuals diagnosed with cancer should avoid using the device unless explicitly approved by their supervising physician.

**Organ Transplants** - Pulsed electromagnetic fields may influence immune system activity, which could compromise the transplant.

**Presence of "MRI Unsafe" Implants** - If you have metal implants or prosthetics consult with a medical professional before use to determine the nature of the implant and whether PEMF therapy is allowed.

**Active Bleeding** - PEMF therapy should not be used in cases of active internal or external bleeding due to its potential effect on circulation.

# 2 SAFETY INFORMATION

- Safety Precautions
- Contraindications
- Side Effects

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## RELATIVE CONTRAINDICATIONS

The use of the device is possible with caution and intensity adjustment during application.

**Severe or chronic illnesses** – Individuals with serious and/or chronic health conditions must consult a physician before using the device.

**Acute infections and elevated body temperature** – It is recommended to avoid using the device during acute bacterial or viral infections accompanied by fever.

**Blood clotting disorders** – Individuals with clotting disorders should consult a physician, as electromagnetic fields may influence circulation.

**Skin conditions and wounds** – Use of the device is not recommended for individuals with acute skin infections, wounds, or burns until the condition stabilizes.

**Recent surgical intervention** – Individuals who have recently undergone surgery, especially on the heart or nervous system, should consult their physician before using the device.

**Metal implants (MRI safe)** – People with titanium implants, artificial joints, screws, or plates can usually use the PEMF device, but the applicator should not be placed directly over the implant.

**Silicone implants** – Avoid applying PEMF treatments near areas with silicone implants due to the potential alteration of the implant material's properties.

# 2 SAFETY INFORMATION

- Safety Precautions
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No permanent side effects have been recorded in existing research on PEMF treatments, even with long-term use. However, temporary and mild discomfort may occasionally occur, such as:

**Mild fatigue or drowsiness** – Some users may feel temporarily tired or fatigued after a session, especially during initial use or when applying higher intensities.

**Increased sensitivity in the treated area** – In rare cases, the area exposed to PEMF may become temporarily more sensitive or slightly sore, which is usually short-lived.

**Mild dizziness or light-headedness** – Some users may experience dizziness or light-headedness during or immediately after treatment, particularly those prone to low blood pressure.

**Slight increase in body temperature** – The treatment may cause a temporary rise in body temperature, which typically subsides quickly.

**Mild headache** – Occasionally, users may report a mild headache that usually resolves after the session.

**Insomnia or sleep disturbances** – Some individuals may experience sleep disruptions, especially if high-intensity treatments are applied shortly before bedtime.

**Mild nausea** – Mild nausea may occur, particularly during initial treatments or when using high frequencies.

These side effects are often a result of detoxification processes triggered by PEMF therapy. Proper hydration (around 2 liters of water per day) supports fluid balance in the body and helps reduce the likelihood of side effects by aiding natural detoxification.

Individual responses to PEMF therapy may vary. It's important to monitor your own reactions and adjust the intensity as needed. Starting with lower intensities and gradually increasing them is recommended to minimize the risk of side effects.

Individuals who are hypersensitive to electromagnetic fields may have a higher risk of experiencing side effects from this product. If you suspect that you are sensitive to electromagnetic radiation, it is not recommended to use the INFINIA PULSE device.

If any side effects persist for more than a few hours, please consult a healthcare professional.



# 3

## DEVICE USAGE

Setup and Initialization

Modes and Settings

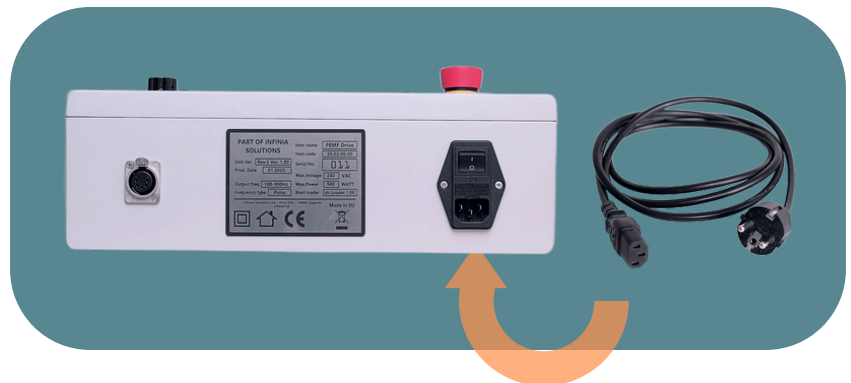
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### 1. CONNECTING THE POWER CABLE

Plug the power cable into the device and the power outlet.

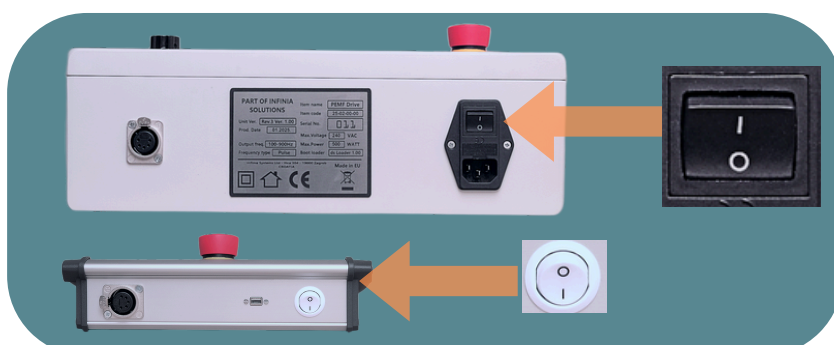


### 2. CONNECTING THE COMMUNICATION CABLE

Plug the communication cable into the connector on the output unit and the control unit.

### 3. CONNECTING THE APPLICATOR

Insert the selected applicator into the connector and rotate it clockwise until it clicks and the silver lock is positioned at the top. To remove the applicator, pull the silver lock on the connector, rotate the connector counterclockwise, and gently pull it out.



### 4. POWERING ON THE DEVICE

Press the power switch on both the output unit and the control unit.

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## DEVICE USAGE

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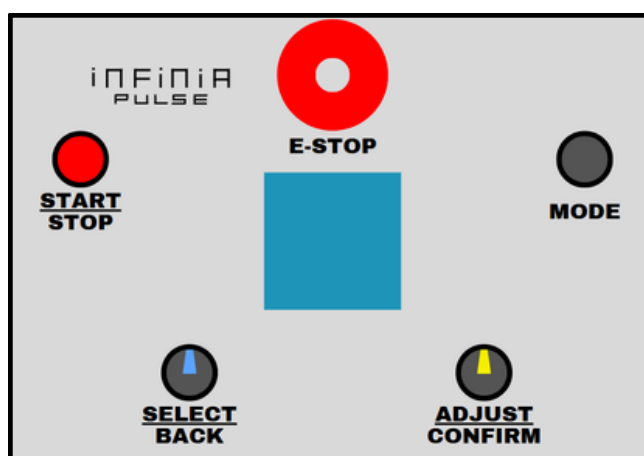
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### CONTROL PANEL

The INFINIA PULSE device is operated via the control unit.  
The functions of the buttons are described in the table.



E - STOP	Pressing the button immediately stops the operation of the device.
START/STOP	Pressing the button starts the selected program. Pressing the button during operation stops the device.
MODE	Pressing the button switches the operating mode between SINGLE and SPECTRUM.
SELECT/BACK	By turning the knob, you navigate through the menu items. Pressing the knob selects the highlighted item. Pressing it again returns you to the main menu.
ADJUST/CONFIRM (PAUSE)	By turning the knob, you adjust the value of the selected item. Pressing the knob confirms the set value. Pressing the knob during treatment pauses the session.

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### DEVICE SETTINGS VIA CONTROL UNIT

A unique feature of the INFINIA PULSE device is the introduction of frequency spectrum mode.

In addition to the standard SINGLE mode, in which the device emits electromagnetic pulses at a selected single frequency, pressing the "MODE" button switches the operation to SPECTRUM mode, where frequencies vary between preset values.

Parameters can be adjusted depending on the selected mode. The images show the menus related to each operating mode and the parameters that can be customized.

#### MODE: SINGLE

TIME: 45 MIN

FREQ.: 432 Hz

PAUSE: 20 %

INTENS.: 45%

SETTINGS

SINGLE - Emission of a single frequency

TIME - Duration of the treatment

FREQ. - Selected frequency for the treatment

PAUSE - Pause ratio (the device does not emit pulses) within a 10-second interval

INTENS. - Intensity of electromagnetic radiation based on duty cycle adjustment

#### MODE: SPECTRUM

TIME: 45 MIN

Fq.: 100-600 Hz

DURAT: 10 S

INTENS: 45%

SETTINGS

SPECTRUM - Operation within a frequency spectrum

TIME - Duration of the treatment

FREQ. - Frequency spectrum range

DURAT. - Duration of the spectrum

INTENS. - Intensity of electromagnetic radiation based on duty cycle adjustment

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## DEVICE USAGE

Setup and Initialization

Modes and Settings

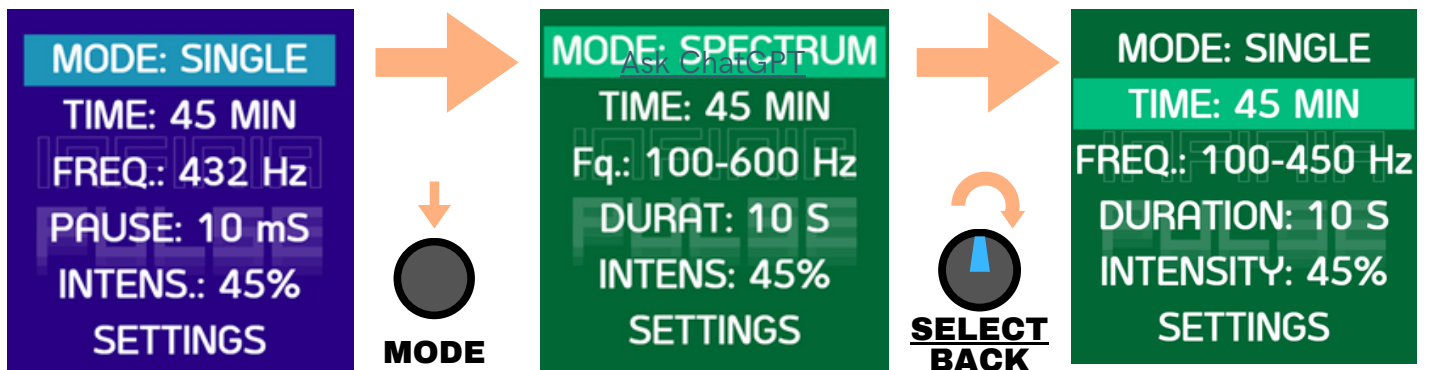
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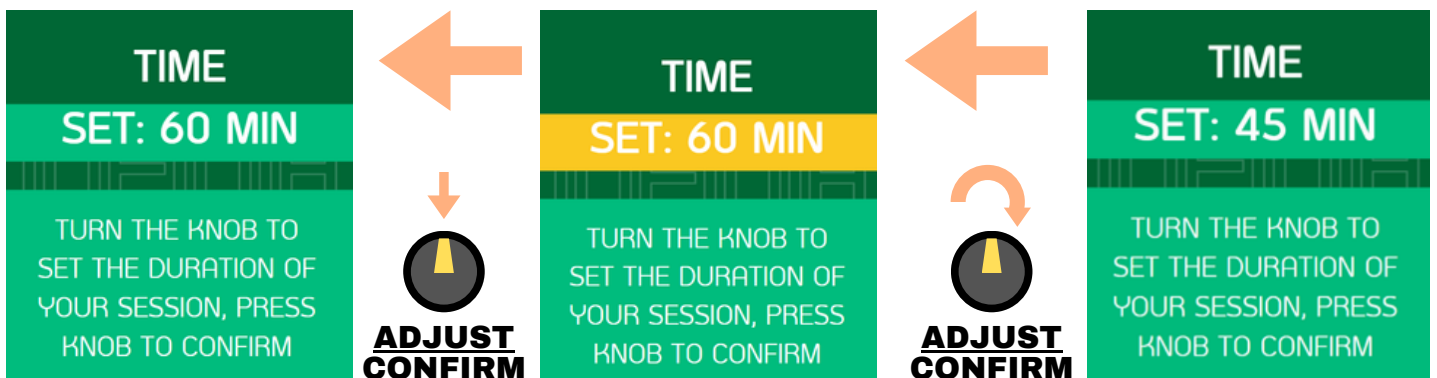
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### SETTING GUIDELINE

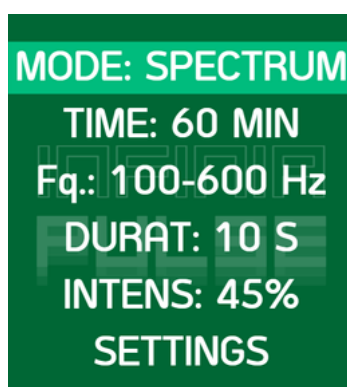
As an example, let's adjust the treatment duration in frequency spectrum mode.



Press the MODE button to switch the operating mode to "SPECTRUM." Then, turn the SELECT/BACK knob to highlight "TIME," and press it to confirm the selection, which will open the time setting window.



Turn the ADJUST/CONFIRM knob to change the value in the settings window, and press the same knob to confirm your selection. Pressing the SELECT/BACK button will return you to the main menu.



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## DEVICE USAGE

Setup and Initialization

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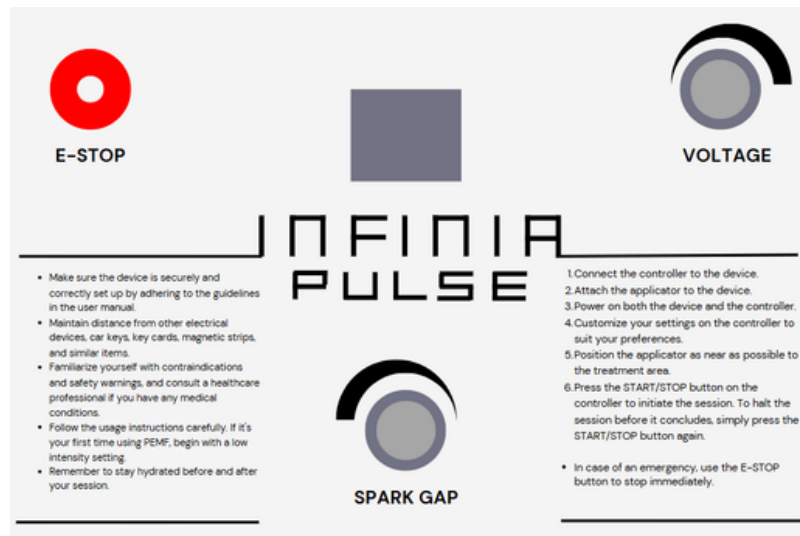
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### PARAMETER ADJUSTMENT ON THE OUTPUT UNIT

It is possible to further adjust the treatment intensity on the output unit.



E- STOP

Pressing the button immediately stops the device operation.

VOLTAGE KNOB

Regulates the treatment intensity through the supply voltage.  
Turning clockwise increases the supply voltage.  
Increasing the supply voltage will amplify the treatment intensity.

SPARK GAP KNOB

Regulates the treatment intensity via the output voltage.  
Turning counterclockwise increases the output voltage.  
Increasing the output voltage will enhance the treatment intensity.  
**IMPORTANT!** – Turn the potentiometer knob until you feel resistance, then stop. Improper handling may cause damage.

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Before use, check that the protective sticker is intact. In case of damage, be sure to report it to the manufacturer.

To clean and disinfect the applicator, wipe it with a soft, clean cloth dampened with 70% isopropyl alcohol.

Use only a soft, dry cloth to clean the device.

Avoid spraying cleaning liquids directly onto the device, do not use abrasive cleaners, and never immerse the INFINIA PULSE device or its parts in water or any other liquid.

Avoid exposing the INFINIA PULSE device to extreme temperatures, moisture, or direct sunlight.

The manufacturer assumes no responsibility for damage caused by improper maintenance of the device.

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## DEVICE USAGE

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In case of device malfunction, use this table to quickly identify possible causes and solutions. If the problem persists, contact an authorized service center or customer support. If the issue is not listed in the table or cannot be resolved with the suggested steps, turn off the device and contact technical support.

Do not open the device or attempt repairs yourself, as this may void the warranty.

Before using the device, always check all cables, connectors, and safety conditions.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Screen shows only alternating colors	Screensaver is active	Press any button. If it continues, turn off and then turn on the device again.
Device does not turn on	Device is not connected to power	Check that the device is properly plugged into the power outlet.
Device does not turn on, no display on control unit	Emergency STOP (E-STOP) button on output unit is pressed  Control unit is not properly connected to the output unit	Check if the E-STOP button on the output unit is pressed – turn it counterclockwise to reset.  Check if the control unit is properly connected to the output unit.
"E-STOP!" is displayed on the control unit screen	Emergency STOP (E-STOP) button on the control unit is pressed	Check if the E-STOP button on the control unit is pressed – turn it counterclockwise to reset.
No numbers displayed on the output unit screen	Communication error between control and output units	Check if the communication cable is properly connected.

**Basic Information**

Device Name: INFINIA PULSE

Device Type: Wellness device for pulsed electromagnetic field (PEMF) treatments

Intended Use: Professional use

**Electrical Specifications**

Input Voltage: 220V, 50Hz

Maximum Power Consumption: 400W

Safety Classification: Class I, IP52 protection

**Operating Characteristics**

Frequency Range: 50 – 900 Hz

Maximum Magnetic Induction: up to 200 mT

RMS Magnetic Induction: < 1  $\mu$ T

Waveform: Rectangular

Operating Mode: Pulsed, with pulse duration up to 10 ms

Treatment Duration: Adjustable from 1 to 60 minutes

**Physical Characteristics**

Output Unit Dimensions: 363 x 242 x 120 mm

Control Unit Dimensions: 181.2 x 53.2 x 200 mm

Weight: ~9 kg

Power Cable Length: ~1.5 m

Communication Cable Length: ~2 m

Applicators: Circular, ~Ø 20 cm and ~Ø 28 cm

Applicator Cable Length: ~1.5 m

**Operating and Storage Conditions**

Operating Temperature: 10°C – 30°C

Relative Humidity: 20% – 60%, non-condensing

Storage: -10°C to 30°C, dry location

Safety and Warranty

Certificates: CE

Warranty: 3 years



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## ADDITIONAL INFORMATION

### Technical Specifications and Warranty

#### Manufacturer Details

#### Disclaimer



The INFINIA PULSE device comes with a 3-year warranty covering factory defects in materials and workmanship, provided the device is used in accordance with the manufacturer's instructions.

The warranty includes:

- Repair or replacement of a defective device or its components at no additional cost to the user
- Support and consultation regarding proper use and maintenance of the device

The warranty does not cover:

- Damage resulting from improper use, physical impact, moisture, overheating, or unauthorized servicing
- Consumable parts (if applicable)
- Damage during transport if the device is not returned in its original packaging

Conditions:

- The warranty is valid only with proof of purchase and the device's serial number
- Repairs during the warranty period may only be carried out by an authorized service provider

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INFINIA PULSE Spectrum PEMF Technology is a product of INFINIA SYSTEMS LTD.  
This device is not a medical device and is intended exclusively for wellness purposes,  
in accordance with applicable laws and regulations.

For more information:

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[info@infinia-pulse.com](mailto:info@infinia-pulse.com)

INFINIA SYSTEMS LTD. is a company specialized in the development and implementation  
of technological innovations. Through the application of modern technologies, it provides  
solutions tailored to the needs of various industries.



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## ADDITIONAL INFORMATION

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[Disclaimer](#)

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INFINIA PULSE is not a medical device.

This product is not intended for the diagnosis, treatment, therapy, prevention, or alleviation of medical conditions in humans. The device is designed exclusively for non-invasive wellness and recreational use, to support a subjective sense of relaxation, balance, and personal well-being.

The use of this device should not be interpreted as a substitute for medical evaluation, advice, or therapy. All users with existing health conditions—including chronic illnesses, neurological disorders, hormonal imbalances, or any diagnosed pathology—must consult a qualified healthcare professional before use.

It is essential to read and follow the instructions in this manual prior to use.

The manufacturer, INFINIA SUSTAVI d.o.o., accepts no responsibility for any harm, discomfort, or negative consequences resulting from improper, unauthorized, or inappropriate use of the device, including the disregard of warnings and contraindications.

The device is intended for use strictly in accordance with the provided technical and safety guidelines.