DIR®

Magnetic Therapy

Instruction Manual

DIR Code: EMTT01

Preface

Thank you for choosing OFAN Intelligent Technology (Guangzhou) Co., Ltd. We welcome you to use our FasciaMag device. Please read this user manual carefully before use to ensure safe and correct operation. Retain this manual for future reference.

Warranty and Repair Services

Main unit: 2-year warranty

Handle: 6-month warranty

Natural damage during warranty will be repaired/replaced free of charge.

- The following are not covered under free service (even within warranty):
- Human damage
- Improper use
- Voltage out of range
- Natural disasters
- Unauthorized parts or repairs
- Faults not caused by the product itself

Out-of-warranty repairs are chargeable.

Chapter 1: Safety Instructions

1.1 Scope of Application

Stimulates the central and peripheral nervous systems of the human body, utilizing the physical properties of magnetic fields to assist in the treatment or relief of pain in the neck, shoulders, waist, legs, and joints. Through different combinations of intensity and frequency for muscle stimulation, it can help relax muscles.

1.2 Contraindications and Precautions

Contraindications:

Precautio ns for Use:
Areas with metal foreign objects;
Areas with or near cardiac pacemakers;
Patients with severe heart, liver, lung, or kidney failure;
Individuals with bleeding or a tendency to bleed;
Pregnant women;
Individuals with significant adverse reactions to magnetic therapy;
Individuals with extreme physical weakness;
Other contraindications identified in clinical trials.

Patients with metal implants in the body;
Patients with malignant tumors;
Pregnant women and children;
Open wounds;
Individuals with vascular embolism;
Individuals with low white blood cell counts;
Individuals with a history of epilepsy;
Individuals taking medications that may lower the seizure threshold, those not taking anticonvulsant medications, or those at risk of seizures;
Individuals with brain injury, brain tumors, encephalitis, cerebrovascular disease, or brain metabolic disorders;
Individuals experiencing sleep deprivation, unrecovered jet lag, intoxication, or extreme fatigue.

1.3 Basic Safety Information

1.3.1 Precautions for Preventing Harm to the Human Body

Operators must carefully read the product user manual before using the device.

Untrained non-professionals are strictly prohibited from operating the device. In case of an emergency, turn off the main power switch.

The device must not be used during MRI scans, surgical procedures, or cardiac defibrillation (especially electric shocks to the heart).

Prolonged stimulation of nerves and muscles at the treatment site may cause pain.The device's single treatment session should last 15 minutes, and multiple consecutive treatments on the same site should be avoided.

The magnetic field stimulation during diagnosis and treatment is non-invasive to the patient. However, due to the magnetic forces within the stimulation coil,the thermostatic coil may vibrate slightly and produce a “clicking" sound of approximately 90 dB, which may affect hearing.

Pregnant women, infants, and individuals unable to express their sensations should not use this device.

Individuals with high or unstable blood pressure should use this device with caution.

During treatment, patients should not perform maintenance or servicing on the device or its components.

During treatrent, the handle should avoid contact with wounds or scars.

During treatment, the handle must not be placed in front of or behind the heart.

Chapter 2: Overview

2.1 Product Structure and Composition

It is consists of a main unit and one handle.

2.2 System Introduction

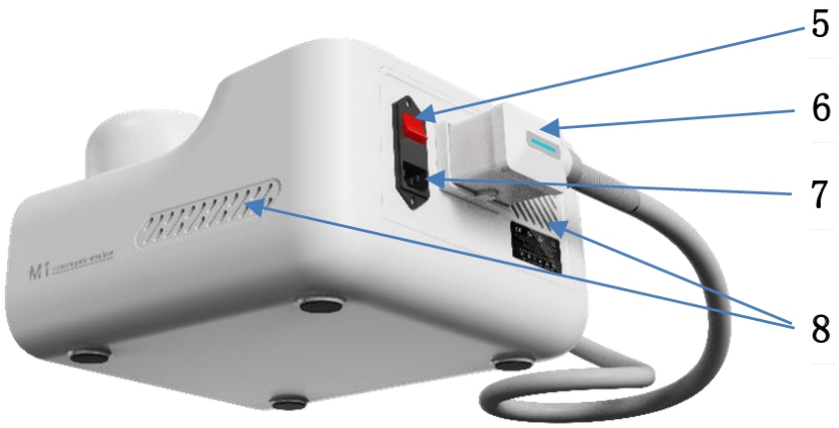
DIR Magnetic H is based on Faraday's Law of Electromagnetic Induction. It first charges a set of large energy-storage capacitors, then rapidly discharges to the stimulation coil through an electronic switch. The time-varying current in the stimulation coil generates a pulsed magnetic field. This pulsed magnetic field can penetrate clothing, bones, and other tissues, inducing a voltage at the stimulation site. This forms an induced current in the opposite direction to the coil's current, altering the cell membrane potential. When the intensity exceeds the excitation threshold of neural tissue, it causes depolarization of local nerve cells, triggering excitatory action potentials and leading to a series of physiological and biochemical reactions.

DIR Magnetic H utilizes High-Intensity Focused Electromagnetic (HIFEM) technology, based on the principle of electromagnetic induction. The energy-storage capacitors discharge to a thermostatic coil, generating a varying magnetic field. The rapidly changing magnetic field around the coil can penetrate muscles and bones to stimulate nerves, inducing changes in the nerve membrane potential and causing depolarization of nerve cells to produce an induced microcurrent. This promotes the repair of human motor nerve functions. Through repeated, continuous, and regular stimulation, a cumulative effect is achieved, improving nerve excitability and regulating neurological symptoms. OFAN Magnetic H uses the physical properties of magnetic fields to assist in treating or alleviating pain in the neck, shoulders, waist, legs, and joints. By applying different combinations of intensity and frequency for muscle stimulation, it can achieve muscle relaxation.

2.2.1machine introduction

2.2.1.1 main unit

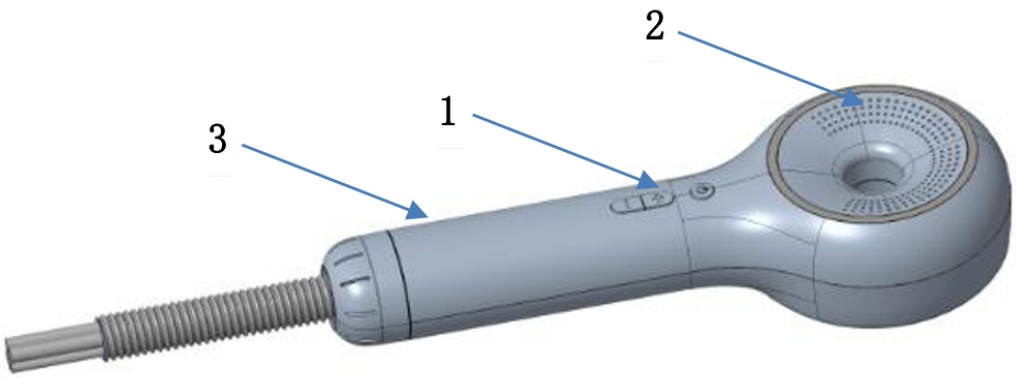
picture 2-1 OF-JMC115main unit-1



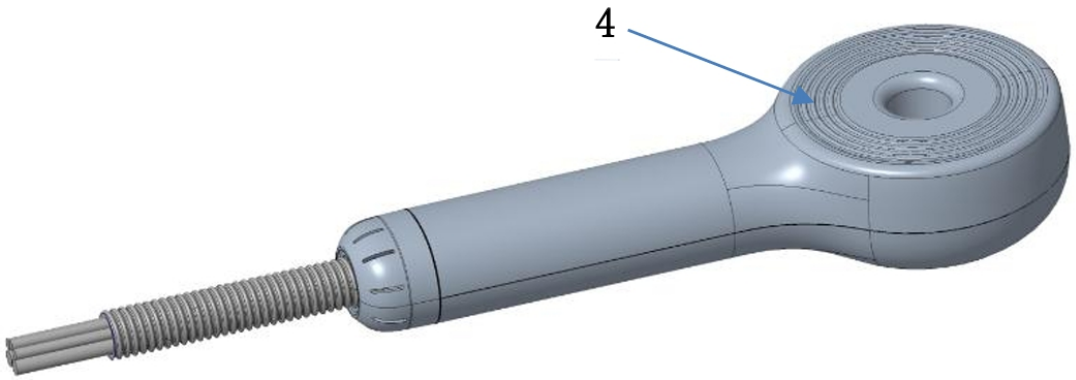
picture 2-2 OF-JMC115main unit-2

1	Handle	5	Handle
2	Operationbuttons	6	Operationbuttons
3	Screen	7	Screen
4	Mainunit	8	Mainunit

2.2.1.2 handle



picture 2-3 OF-JMC115handle-heat dissipation surface



picture 2-4 OF-JMC115handle-iperation surface

Table 2-2 Description

1	Button	Energy +, Energy -, Start/Pause Button
2	Ventilation Outlet	Heat dissipation vent. Ensure it is not blocked during use.
3	Grip Position	Hand grip area
4	Treatment Surface	Fits against the treatment area, emitting electromagnetic fields.

Chapter 3: Operating Instructions

3.1 Device Installation

3.1.1 Installation

Connect the handle to the handle socket on the main unit, ensuring the latch is securely fastened.

3.2 Powering On the Device

After installation, connect the power supply and turn on the power switch located at the back of the main unit. The device will power on, perform a selftest, and automatically enter the operating interface.

When connecting to the mains power, ensure the power plug is first inserted into the power socket of the device.

When disconnecting from the mains power, ensure the power to the device is turned off first.

3.3 Handle Usage

Place the handle on the corresponding part of the user's body as needed.

3.4 Software Operation Process

Power On →Select Mode → Start Treatment → Stop Treatment (Timed or Manual)

3.5 Interface Operation

3.5.1 Powering On

Set the power switch on the back of the device to the “ON” position. The device will power on, the buzzer will emit a single “B” sound, and the display screen will light up. After powering on, the device performs a self-test and initialization of relevant components, displaying the startup interface. Once initialization is complete, it automatically transitions to the operating interface.

Figure 3-1 Working Interface

3.5.2 Mode selection

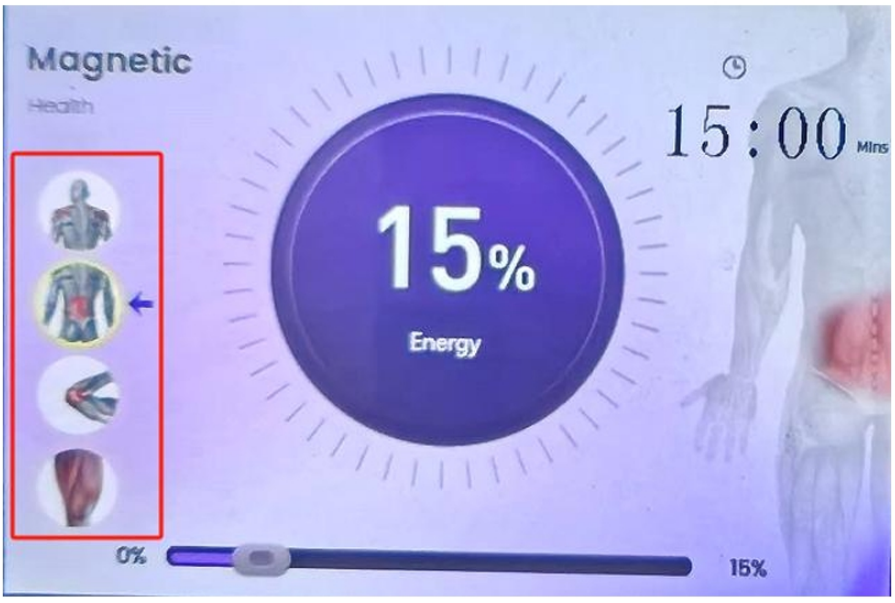


Figure 3-2: Mode Selection

As shown in Figure 3-2, the red box on the left corresponds to four modes.Each mode corresponds to different treatment functions, target areas, and treatment parameters. Press the buttons on the control panel to select different operating modes. When the black arrow on the right aligns with an icon, it indicates the currently selected function mode.

Table 2-2: Description

No	Icon	Description
1		Neck and Shoulder Treatment
2		Lumbar Spine Treatment
3		Joint Treatment (e.g., ankle joints, wrist joints, etc.)
4		Muscle Relaxation

3.5.3 Energy Adjustment

Figure 3-3: Energy Adjustment

As shown in Figure 3-3, the red box displays 15%, indicating the energy level is at 15%. The energy adjustment range is from 0% to 100%. 0% indicates no output, while 100% indicates the maximum energy output. Press the “+” or “-” buttons to adjust the energy level.

3.5.4 Energy Adjustment

Figure 3-4: Operating Status

In standby mode, press the Start/Pause button to activate the device, and the handle begins outputting a magnetic field. The status bar in the center of the interface will continuously rotate.

In operating mode, press the Start/Pause button or when the treatment time ends, the device stops operating, and the handle ceases outputting the magnetic field.

Chapter 4: Maintenance

4.1 Maintenance Schedule

Table 4-1: Maintenance Schedule

Maintenance Item	Operation	Frequency
Clean device to remove dirt	Wipe with a damp cloth	Weekly
Check electrode wire socket pins for damage	Visual inspection	Weekly
Check if electrode wire socket is loose	Manual testing	Weekly

Before performing maintenance on the Fascia Magnetic device, ensure the power is disconnected.

Liquids must not come into contact with electrified components.

Strictly follow the manufacturer's instructions on the use of cleaning and disinfecting agents.

4.2 Cleaning

4.2.1 Handle

After use, wipe the handle with a damp tissue to remove dirt.

4.2.2 Main unit

Regularly clean the exterior of the main unit with a damp cloth containing disinfectant.

Cleaning steps are as follows:

1. Turn off the power.
2. Use a clean cloth to wipe off surface dust.

Chapter 5: Troubleshooting

The troubleshooting methods for common issues with the OFAN Magnetic H device are shown in the table below:

Table 5-1: Common Troubleshooting Methods

Issue	Solution
Power indicator does not light up after powering on	Check if the external power supply is connected.
Sudden system freeze	Turn off the power and restart the device.
Display screen is black	Check if the cables are properly connected. Restart the device.
Device cannot be powered on	Check if the fuse is damaged. Ensure the power cord is properly connected. Verify if the external power outlet is supplying electricity.
Handle has no output	Check if the temperature exceeds the set threshold.Ensure the handle is securely connected to the main unit.

This document is intended solely to guide users in troubleshooting simple faults. If you encounter issues not covered in this section, or if the problems persist after attempting the troubleshooting methods listed below, please contact the relevant personnel at OFAN Intelligent Technology (Guangzhou) Co., Ltd. Do not attempt to repair the device yourself.

Chapter 6: Specifications

6.1 TechnicalParameters

Table 6-1 OF - JMC115 Technical Specifications

Item	Parameter
Operating Voltage	AC 220V ±10%, 50Hz ±1
Power Consumption	500W
Screen Size	3.5 inches
Device Dimensions	30*30*16(cm)
Net Weight	6.5Kg
Application Area	Handle
Maximum Rateof Change of Magnetic Induction	10kT/s—80kT/s
Output Frequency	1Hz – 35Hz, tolerance ±5%
Pulse Width	150μs, tolerance±10%
Pulse Rise Time	50μs ±15μs
Safety Range	Magnetic field strength <0.5mT at a distance >2meters from the coil
Maximum Magnetic Induction Strength	2.5T, tolerance ±20%
Cooling Method	Air cooling
Normal Operating Environment	Ambient temperature:10℃ – 35℃; Relative humidity: ≤80%; Atmosphericpressure: 86kPa – 106kPa
Storage and Transport Environment	Environment Temperature:-20℃ – +55℃; Relativehumidity: ≤80%; Atmosphericpressure: 86kPa – 106kPa

6.2 Accessories ist

Table 6-4 Accessories list

No.	Accessory Name	Quantity	Unit
1	Main Unit	1	set
2	Power Cable	1	pc
3	Power Cable	1	pc
4	Handle	2	pc

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