

# Magnetic Ring Physiotherapy Device

## USE MANUAL



When operating this product, please read the manual of this instrument carefully

**[Product Name]** Magnetic Ring Physiotherapy Device

**[Model]** CLH001

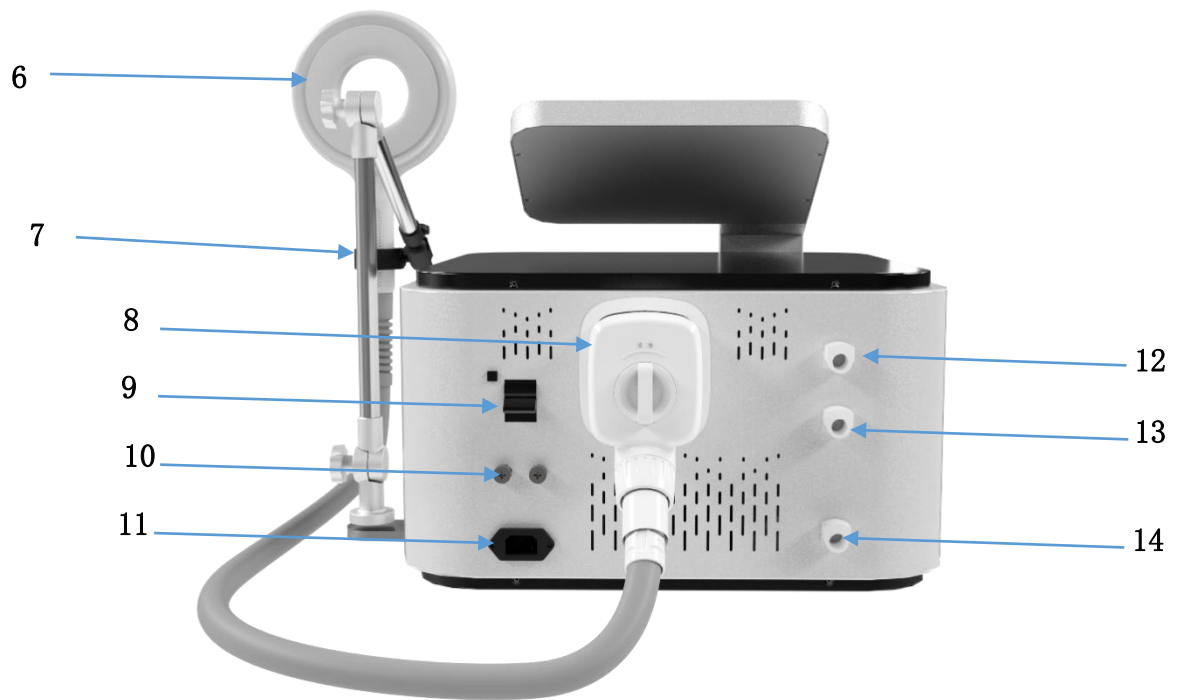
**[Product performance]**

- 1、 The running time of the machine in independent working mode is 1-30 minutes, which is adjustable.
- 2、 The output frequency of the physiotherapy instrument is 1-50Hz; adjustable.
- 3、 The pulsed electromagnetic intensity output by the physiotherapy device is divided into 10 grades, and the peak magnetic field intensity reaches between 3T-5T when the threshold is 100%.
- 4、 The working mode is divided into: intelligent automatic mode and professional manual mode output
- 5、 The physiotherapy instrument supports 9 parts of shoulder, arm, thigh, knee, back, waist, hip, hand, and calf. Different parts output specific frequency, pulse width, and rise time pulse achieve the effect of physical therapy.
- 6、 The physiotherapy instrument has a manual pause function.
- 7、 The physiotherapy instrument uses water cooling heat dissipation.
- 8、 There is a protective device inside the machine, which automatically stops working when abnormality is detected.

**[Product structure and composition]**

The therapeutic apparatus consists of three major parts: the control host, the physiotherapy apparatus, and the bracket.





back view

No.	name	function/usage
1	interface	Display with touch screen
2	host	
3	Power switch	After the power switch is turned on, blue light is displayed
4	Work indicator light	blue light when working normally; flashing when physiotherapy is working
5	Handle laser	
6	The physiotherapy device	projects an electromagnetic field on the physiotherapy area
7	bracket	
8	Physiotherapy socket	
9	Power switch	If the physiotherapy device is not used for a long time, it is necessary to turn off the mains switch
10	fuse	
11	Mains socket	

12	Water inlet	When the physiotherapy device is short of water, add water here
13	Overflow port	When the water tank is full, it overflows through the overflow port
14	Outlet	

**[The scope of products]**

1. Sports Injuries
2. Psoas muscle strain
3. Fasciitis
4. Tendonitis, periostitis, bursitis, synovitis, cyst
5. Neck, shoulder, waist and leg pain, arthritis;
6. Frozen shoulder, cervical pain
7. Lumbar disc herniation
8. Pain syndrome composed of the above symptoms
9. Others (such as mild tennis elbow, golf elbow)

**[Notes, warnings, and informative content]**

1. The whole process of the physiotherapy apparatus has a self-checking function. If a certain link is abnormal, the machine will alarm and display it on the display screen.
2. Please do not cut off the power supply when the physiotherapy apparatus is running, so as not to cause damage to the running parts.
3. Without permission, please do not disassemble, repair or modify the machine.
4. Before connecting the power to the physiotherapy device, be sure to connect the ground wire.
5. Do not touch the lips and eyes when the physiotherapy instrument is working to avoid accidents.
6. Before the physiotherapy instrument works, it must be filled with coolant or pure water.
7. When replacing the fuse fuse, the plug must be unplugged first, and the operation can only be performed after the power is cut off, and the operation must be performed by the manufacturer or a trained and qualified professional.
8. Contraindications:

Acute hemorrhagic disease, pr-stroke symptoms, acute inflammation with sepsis symptoms, precancerous lesions, acute gout;

Coagulation disorders may cause local tissue bleeding in patients with untreated, uncured or incurable bleeding disorders;

Patients with severe cognitive impairment and mental illness, severe arrhythmia, sensory dysfunction;

A pacemaker is installed; areas of the body that have artificial fillers (such as silicone);

Malignant tumor has metastasized to multiple places;

Tendon fascia rupture or severe injury;

Special groups of doctors; patients with skin allergies; women in the third stage (pregnancy, lactation, menstrual period).

### **[Installation instructions or diagrams]**

The environmental conditions for this product installation are:

1. The ground is flat and the area is  $\geq 1$  square meter;
2. Power supply 220V, power  $\geq 1500$  watts;

Installation operation:

1. First install the physiotherapy bracket on the main unit, then lock the physiotherapy handle on the support arm, adjust the height of the bracket and the direction of the physiotherapy device according to the needs of physiotherapy, and ensure that the physiotherapy handle is aligned accurately and at a suitable height.

2. Plug one end of the special power cord into the  $\sim 220\text{V}/50\text{Hz}$  three-hole power socket, and the other end into the host power socket.

### **[Instructions and diagrams for use]**

1. Mode selection interface

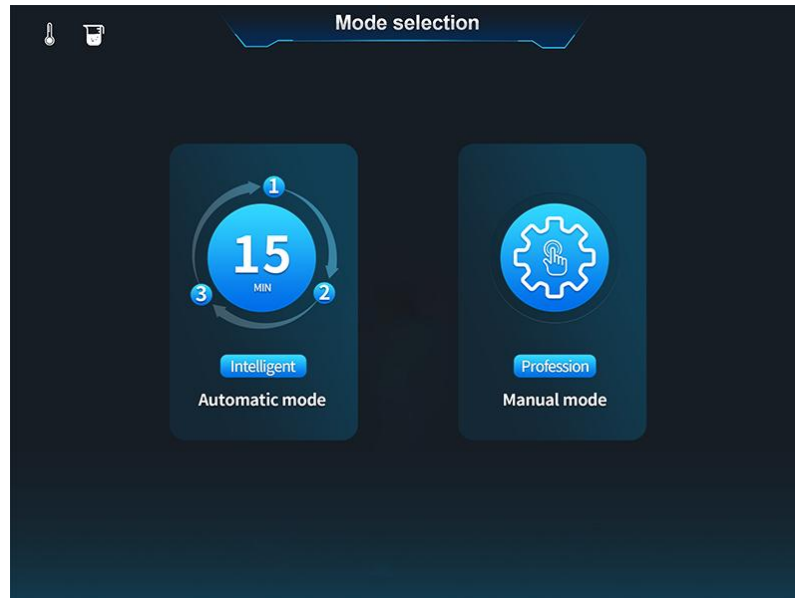



Figure 1

1、 After the physiotherapy device is powered on, and after self-checking, it will enter the mode selection interface. As shown in Figure 1. top left  for temperature and coolant (pure water) status. When the temperature of a part of the physiotherapy device is too high or the temperature sensor is faulty, the temperature icon is displayed in red; when the physical therapy device lacks coolant (pure water) or the cold line is faulty, the coolant status icon is displayed in red. (Note: The temperature and coolant status display on subsequent pages are the same as above)



Click this button to enter the intelligent automatic working mode.



Click this button to enter

the professional manual work mode.

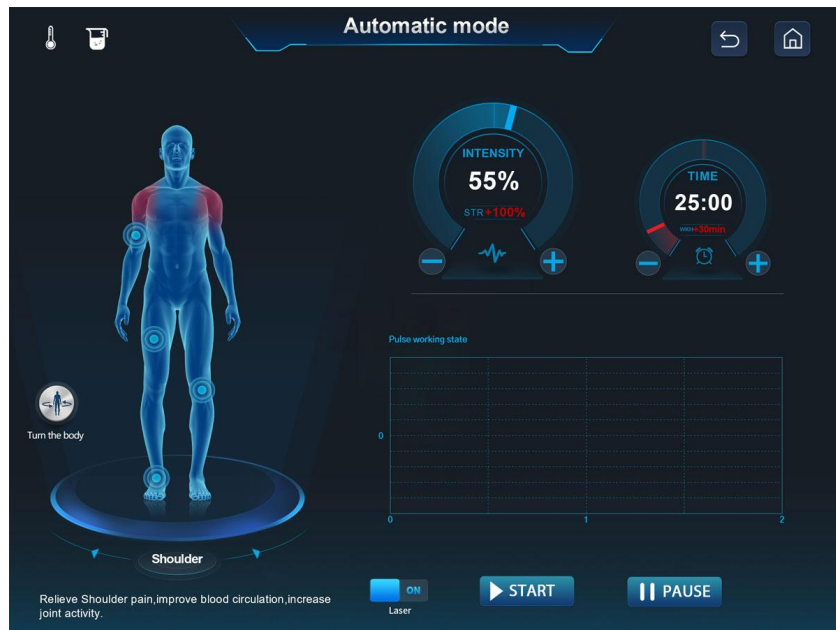


Figure 2

2、 Figure 2 is the intelligent automatic function operation interface.



Display and adjust the output energy intensity. Press "+" key to increase, press "-" key to decrease. The energy adjustment range is 0-100%. No output when adjusted to 0



Display and adjust the output time. Press "+" key to increase, press "-" key to decrease. The time adjustment range is 0-30 minutes. No output when adjusted to 0.



Handle laser control switch



Human body front and back selection keys.



Body part selection. The selected part will be displayed in red. Select different parts, the output intensity and time will have different settings.

Note: The body part can only be selected when the physiotherapy device is paused.



The START key is the key to start the treatment. Start the physiotherapy, the physiotherapy device can adjust the energy output size and time; the running time can be counted

down.



is the pause key.

### 3、 professional manual function setting interface

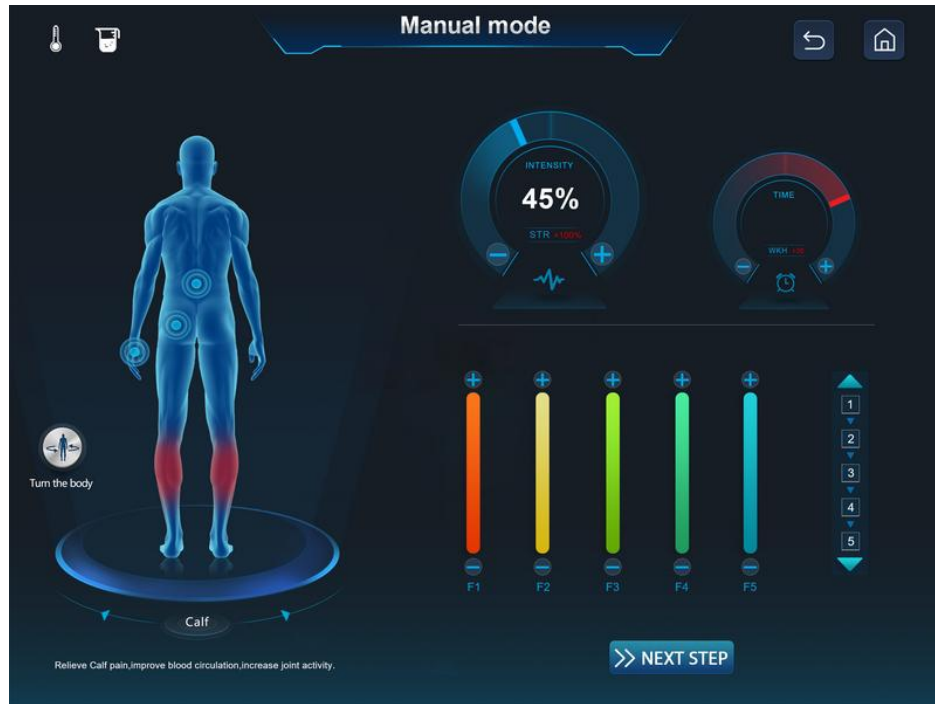


Figure 3

Figure 3 is the professional manual function setting interface. The interface provides custom settings for professionals. Including body parts, output frequency, output intensity, output time, etc.

In the professional manual mode, there are 5 groups of frequencies that can be set independently, and the output frequency combination can be selected at the same time.

Refer to "2 Intelligent automatic function operation" for the settings of body parts, strength and time.

Frequency setting: Set the corresponding frequency as required, press the "+" key to increase the frequency, and press the "-" key to decrease the frequency. The adjustable range of frequency is 1-50Hz. The higher the frequency, the denser the output pulse and the tighter the absorption to the muscle.

Frequency Combination Settings: Click the upper key to the right of the frequency to select different frequency combinations. There are a total of 5 combinations: "1", "1-2", "1-2-3", "1-2-3-4", "1-2-3-4-5". When set to 1-2-3-4-5, the frequency of F1 is output first, then F2, F3, F4, F5, and then F1, again and again.





Go to the "Professional Manual Function Operation" interface.

#### 4、 Professional Manual Function Operation

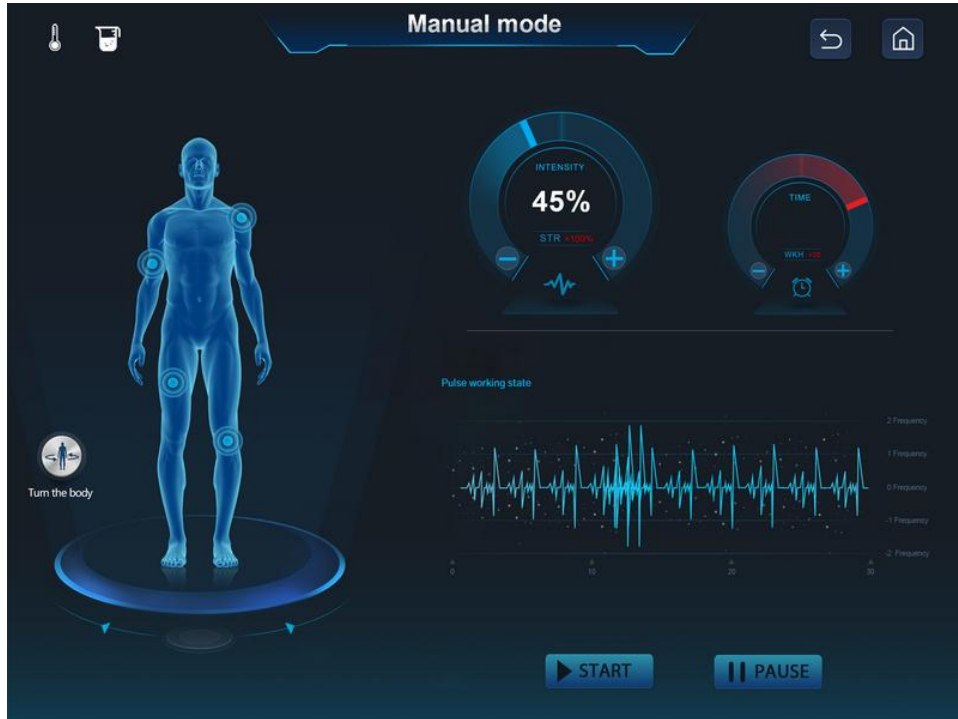



Figure 4

Professional manual function operation is the same as intelligent automatic function operation.

During the operation of the professional manual function, if you need to change the output

frequency, press  Return key to return to the professional manual function setting interface for operation.

#### 5、 Alarm and prompt

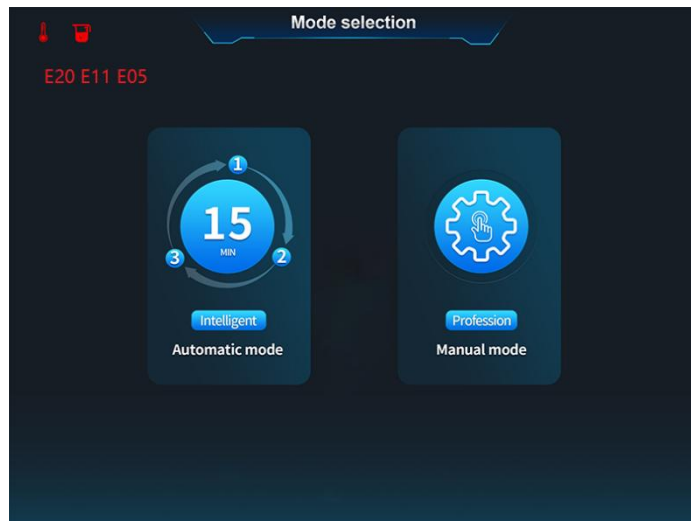


Figure 5

When the physiotherapy device is faulty, it will stop automatically and give a fault alarm. Display

fault codes. As shown in Figure 5.

List of fault codes:

codes	explanation	Remark
E01	Physiotherapy device falling of	It may be that the physiotherapy device is not installed; it has fallen off; the temperature sensor in the physiotherapy device is damaged.
E05	Physiotherapy device high temperature alarm	The physiotherapy device works for a long time and the temperature is too high.
E10	Device over-temperature alarm	The device has been working for a long time and the temperature is too high.
E11	Lack of coolant (pure water)	Lack of coolant (pure water)
E12	Abnormal cooling pipeline	The pipeline is blocked; the physiotherapy device has fallen off and is not installed; the pipeline sensor is damaged;
E13	Chassis temperature is too high	The temperature of the device is too high due to long-term operation.
E20	Communication abnormality	The control main board or function output board is abnormal
E23	The thyristor temperature sensor is abnormal.	
E24	SCR temperature sensor high temperature alarm.	
E25	The MOS temperature sensor is abnormal.	
E26	MOS temperature sensor high temperature alarm.	
E27	The diode temperature sensor is abnormal.	
E28	Diode temperature sensor high temperature alarm.	
E29	Overpressure alarm	

### [Technical parameter]

item	parameter
Input power	AC220V 50Hz 1500W
Screen size	10.4inch
Pulse frequency range	0—50Hz
Energy	0—5T
Pulse	200±50microseconds
size (CM)	39.5*39.5*38.5 (cm)

weight (KG)	24.5KG
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## [Care and Maintenance]

### 1. Maintenance

#### 1.1 Daily inspection

Managers must regularly inspect instruments and components.

Whether the power socket is connected to the ground wire.

Before using the instrument, check whether the power cord is damaged or not, and stop using it if it is damaged.

#### 1.2 Cleaning

Instrument cleaning is performed on a regular basis to ensure sanitation and proper functioning of the equipment. When the instrument is powered off, use soapy water or neutral detergent to wipe the main unit, display screen and other parts, and alcohol is prohibited.

#### 1.3 Replacement of the fuse

When replacing the fuse, turn off the power and unplug the power plug.

### 2. After sales

After purchasing the equipment, you need to keep the warranty card. If you need to repair it and send it to the manufacturer or agent, the warranty will be valid;

Since the date of purchasing the machine and opening the bill, if there is a non-artificial quality problem, the main machine is guaranteed for one year free of charge, and consumables are not covered by the warranty);

If the warranty period is exceeded, please contact the manufacturer directly to provide paid services;

To repair the machine, you must contact the company's business department or dealer, and do not repair it without authorization. The company is not responsible for the series of problems caused by

this appoint.

Any unpacking without consent will not be guaranteed by our company.

**[Transportation and storage conditions]**

Transportation: The transportation requirements are stipulated in the order contract, and the transportation process should prevent collision, rain and sun.

Storage: The packaged equipment should be stored in a relative humidity of not more than 80%, no corrosive gas and good ventilation.

**[Parts List]**

**[Production Date]**        year    month    day

**[Recommended period of use]**    3years

**[Product specification preparation/revision time]** September 20, 2022

No.	Part	quantity	unit
1	Host (qualified product)	1	PCS
2	Power cord	1	PCS
3	Physiotherapy device	1	PCS
4	20A Fuse	2	PCS
5	Physiotherapy Stand	1	PCS
6	Warranty card	1	PCS
7	Use manual	1	PCS