

EMSzero



USER MANUAL

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

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1. GENERAL INFORMATION

The EMSZERO series utilizes advanced HI-EMT technology, employing high-energy focused electromagnetic waves (HI-EMT) designed to induce powerful muscle contractions, thereby promoting muscle growth and reshaping the internal structure of muscles. Additionally, it claims to trigger significant fat breakdown through intense muscle contractions, causing fatty acids to be released from triglycerides and metabolized by the body over several weeks.

Advanced HI-EMT Technology:

The EMSZERO series employs advanced HI-EMT technology, utilizing high-energy focused electromagnetic waves to achieve intense muscle contractions, promoting muscle growth, and deep internal structural reshaping.

Touch-Controlled Display:

The touch-controlled display significantly simplifies device operation, allowing clear visibility of information from various positions. The brightness of the display is adjustable to accommodate different office lighting conditions. User-friendly, the screen guides you throughout the entire treatment process.

Real-time Monitoring and Guidance:

Throughout the treatment process, the display shows remaining treatment time, utilized channels and treatment methods, applied treatment types, attachments used, and other necessary information. This aids users in real-time monitoring of treatment progress and provides necessary guidance.

Upgradeability:

As your therapeutic needs evolve, you may wish to upgrade your equipment later on. The EMSZERO series offers flexible upgrade options to meet your future treatment requirements.

1.1 INDICATIONS FOR USE

EMSZERO is included to be used for:

-1- Improvement of abdominal tone,strengthening of the abdominal muscles,developmet of fitner abdomen

-2- Strengthening,Toning and Firming of buttocks,thighs and calves

-3- Improvement of muscle tone and firmness,for strenghening muscles in arms

1.2 OPERATING ENVIRONMENT

The operating environment of the EMSZERO instrument series is crucial to ensuring the effectiveness and safety of the device.

* Clean and Hygienic Environment:

The operating environment should be clean and hygienic to prevent any external contamination or bacterial infections. Regular cleaning and disinfection of the equipment and its accessories are essential.

* Appropriate Temperature and Humidity:

Ensure that the operating environment's temperature and humidity are within the appropriate range specified by the device manufacturer. Extreme temperatures or excessive dryness/humidity may impact the device's performance.

* Adequate Lighting:

Provide sufficient lighting to ensure that operators can clearly see and operate the equipment correctly. This is especially important for conducting precise beauty procedures.

* Good Ventilation:

The area where the equipment is operated should have adequate ventilation to ensure air circulation and prevent the accumulation of any harmful gases.

*** Safety Measures:**

The operating environment should have appropriate safety measures, including fire extinguishers and first aid equipment, to address emergencies. Operators should be familiar with the equipment's safety procedures and know how to handle emergency situations.

*** Avoidance of Interference Sources:**

The operating environment for beauty equipment should be kept away from any electromagnetic fields or other devices that could potentially cause interference, ensuring the normal operation of the equipment.

*** Operator Training:**

All operators using beauty equipment should undergo proper training to understand the correct usage and safety procedures of the equipment.

1.3 PATIENT PROFILE

This machine is suitable for patients who are seeking healthy weight loss, who have no physical diseases, and who do not have metal substances in their bodies. Please note that this machine is only suitable for adults.

1.4 DESCRIPTION OF THE DEVICE

EMSZERO enables a simple and effective treatment process that you can easily perform by adjusting the digital energy selection treatment plan or diagnostic procedure. Additionally, any treatment parameter can be manually adjusted by simply touching the screen. You can also create precise and effective treatment plans by configuring the age group and gender of the person being treated within the machine.

1.5 CONTRAINDICATIONS

Contraindications:

- ⊗ Wounds on the skin (or avoiding wounds when using) ;
.....
- ⊗ Patients with heart disease (such as those with arrhythmias), especially those with pacemakers;
.....
- ⊗ Cancer patient;
.....
- ⊗ Patients with infectious diseases;
.....
- ⊗ Pregnant women, lactating women, menstrual period;
.....
- ⊗ Major surgery patients, diabetic patients;
.....
- ⊗ Having any metal in the body;
.....
- ⊗ People with cerebrovascular disease (stroke patients)
.....

1.6 POSSIBLE SIDE EFFECTS

These effects may include but are not limited to:

- .Muscle soreness.
- .Reduction in muscle fat
- .Temporary muscle spasms
- .Transient joint or muscle tendon pain
- .Localized redness or skin flushing

2. SAFETY PRECAUTIONS AND WARNINGS

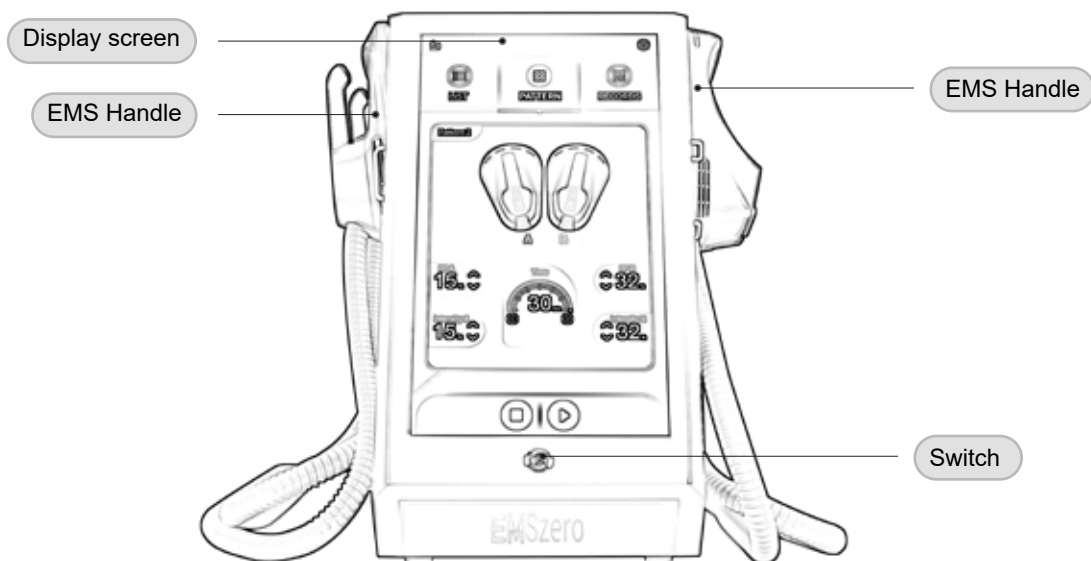
Precautions before use:

- ⊗ Could not use it when feel full, at least one hour after meals.
.....
- ⊗ Before using the instrument, remove any metal jewelry you are wearing.
.....
- ⊗ Before starting the operation, touch the probe vertically to the skin, then turn on the switch of the main unit and adjust the intensity of the operation mode.
.....
- ⊗ knot to the lowest level, and then increase the intensity sequentially according to the user's skin tolerance.
.....
- ⊗ It is forbidden to eat or drink during the operation, and try to eat after one hour after the operation.
.....

3. DEVICE AND ACCESSORIES

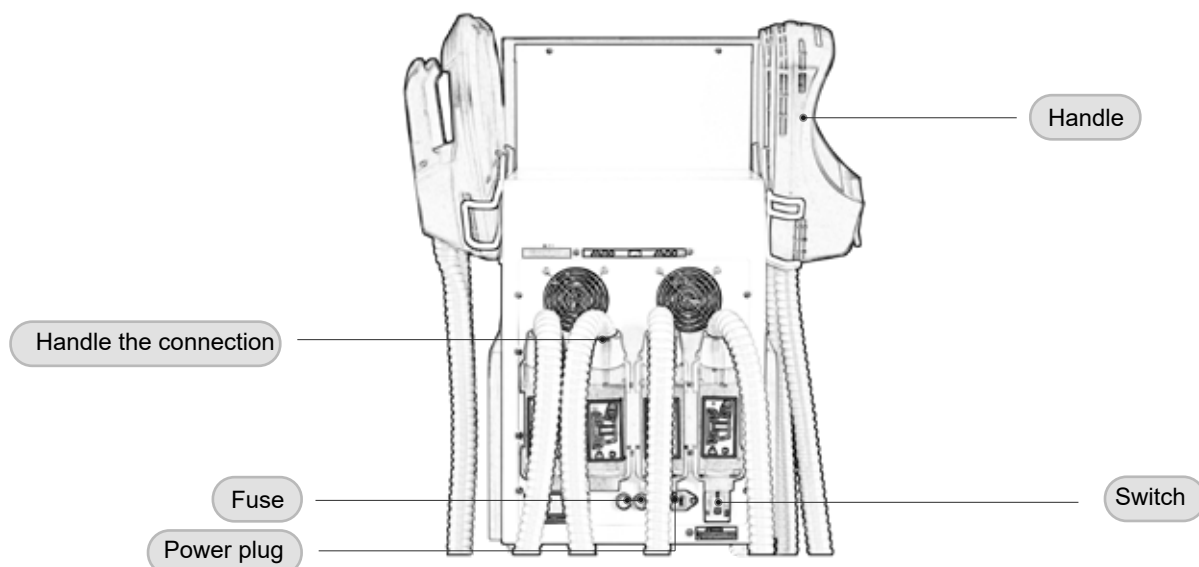
3.1 FRONT AND REAR PANEL OF THE MAIN UNIT

Front view of the instrument ▼

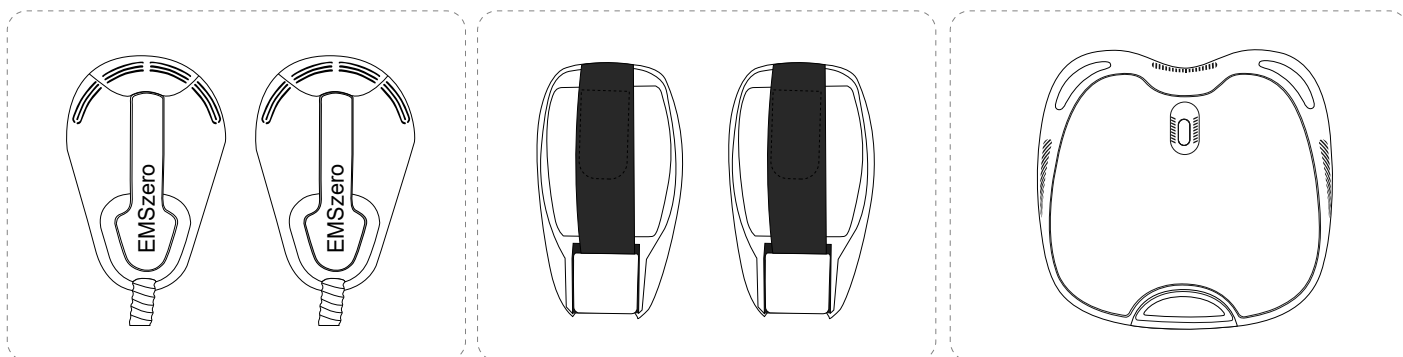


Note: The handle can only be used by the original machine and cannot be used interchangeably.

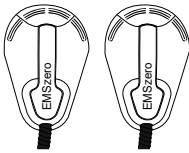
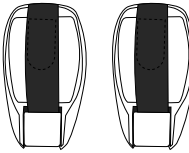
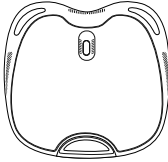
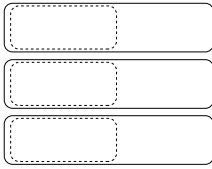
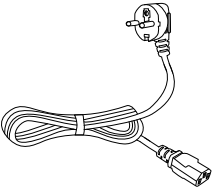
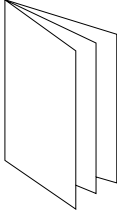
Magnetic thin handle plug ▼



3.2 Handle

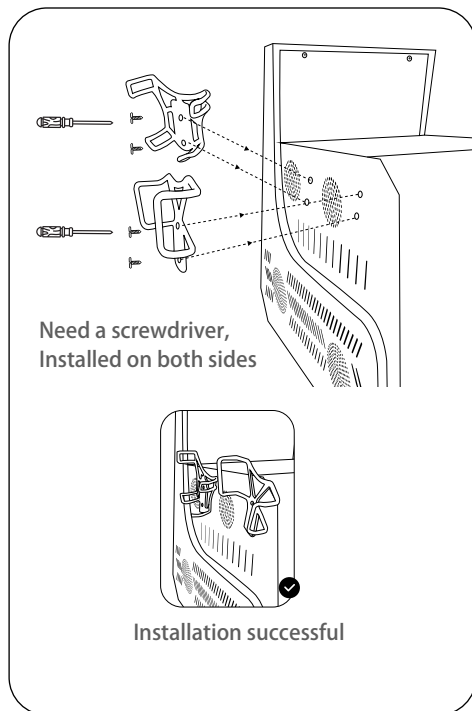


3.3 LIST OF ACCESSORIES

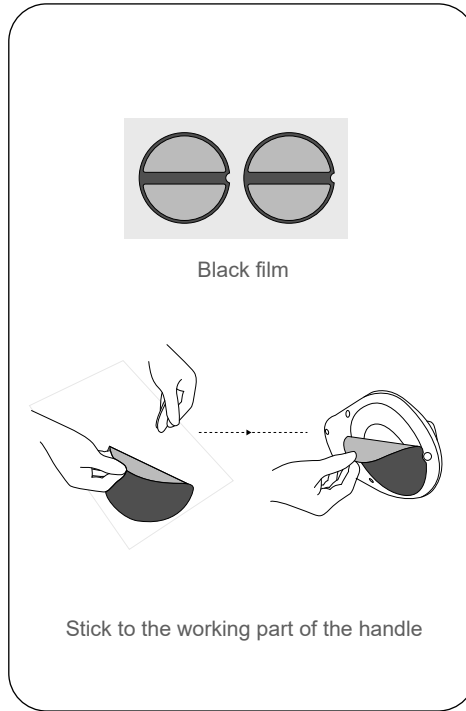
Serial	Name	Quantity	Picture
1	host	1 set	
2	Handle	2	
	Handle	2	
	Cushion	1	
3	8*80CM 8*90CM 8*100CM belt	3	
4	Power cable	1	
5	Electronic manual	1 copy	

4. DEVICE INSTALLATION

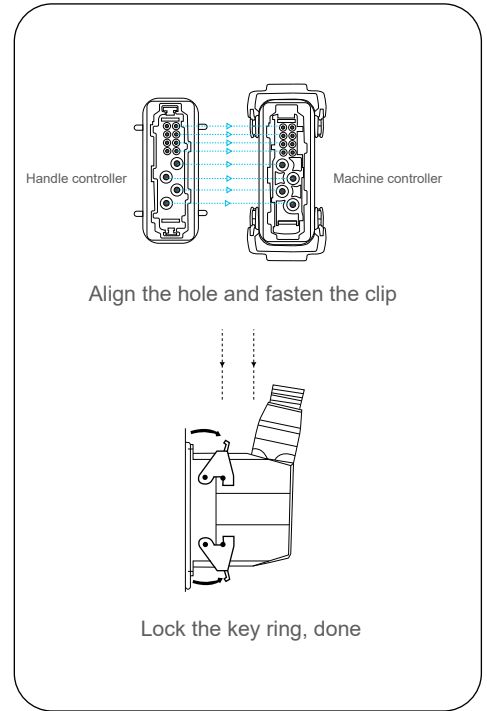
①.Install the handle bracket



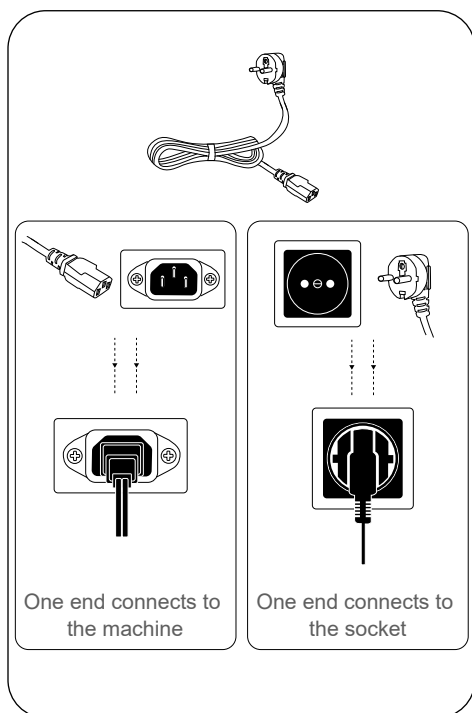
②.Handle film



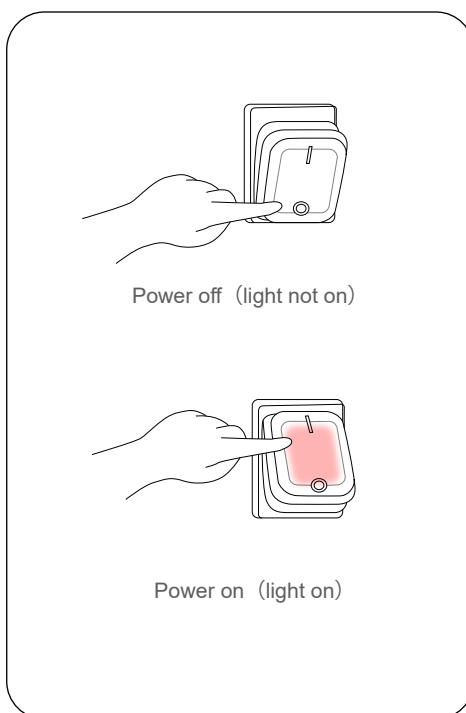
③.Installing the handle



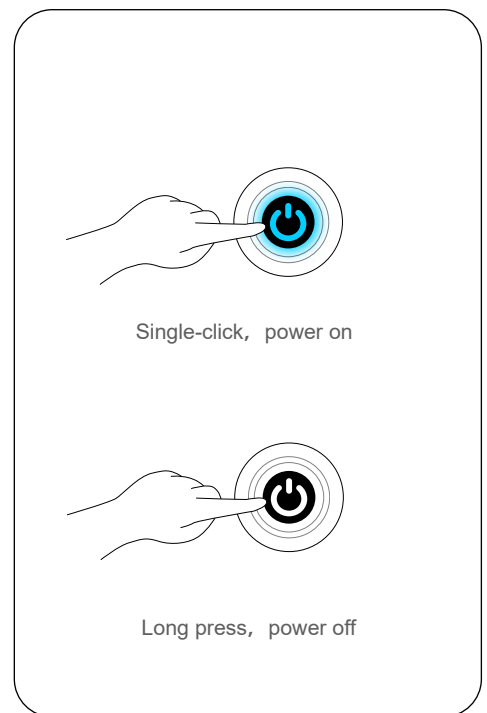
④.Connect power



⑤.Press on the back switch



⑥.Press the front switch



5. BASIC DEVICE OPERATION

5.1 HANDLE EXCHANGE

The handle must be calibrated every time it is installed or replaced.

 When replacing the handle, you must turn off the power of the machine. The handle cannot be replaced when the machine is powered on.

5.2 DEVICE START UP/ISHUT DOWN

-1- Connect one end of the power cord to the machine and plug the other end into the socket. Plug the power cord directly into the main socket. Do not connect multiple machines to the socket.

-2- Move the manual switch on the rear panel to the "o" position.

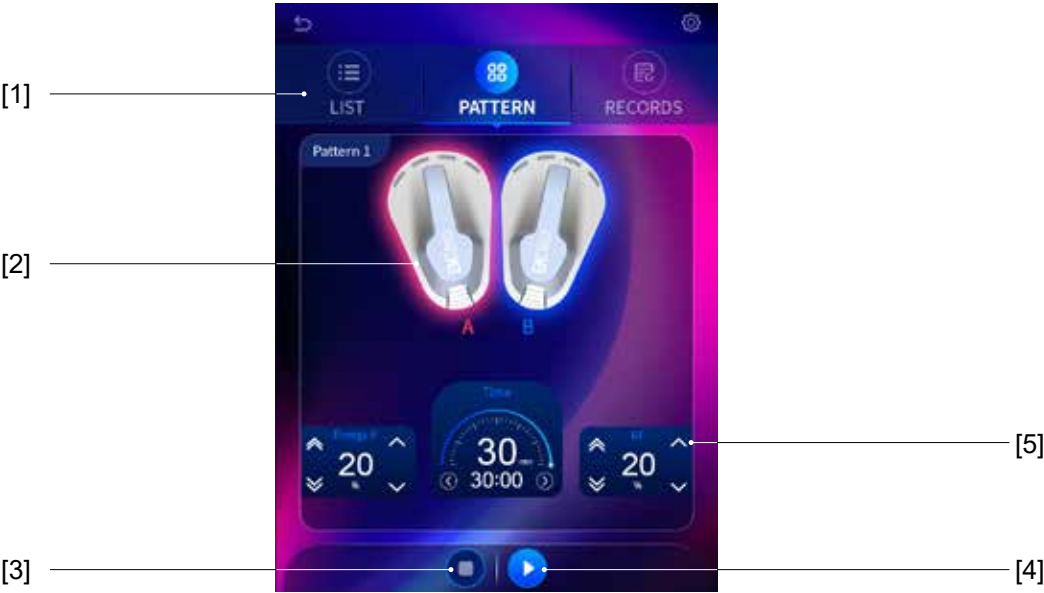
-3- Press the button on the front panel.

-4- When the treatment is finished, press and hold the power button to turn off the machine.

5.3 NAVIGATION CONTROLS

5.3.1 SETTING THE THERAPY BY CONTROLS

Pre-treatment regimen can be modified via on-screen controls
The treatment interface displays the following items and functions:



- [1]:Navagation controls
- [2]:Channels selector
- [3]:Stop therapy
- [4]:Start/pause therapy
- [5]:Setting up therapy paraneters

5.4 UNIT SETTINGS

Click Mode 1 →



The operation interface of mode 1 is as follows (please take out the handle from the handle frame before operation, and use the belt to fix the handle to the operating part required by the customer)The frequency of mode one is 5-60Hz

Start/pause work button →



Enter the solution 1 interface to adjust the handle operation time according to customer needs, and then click the start/stop button to proceed to the next step.

Return



Time adjustment

RF

Handle

Stop working button

Start/pause work button

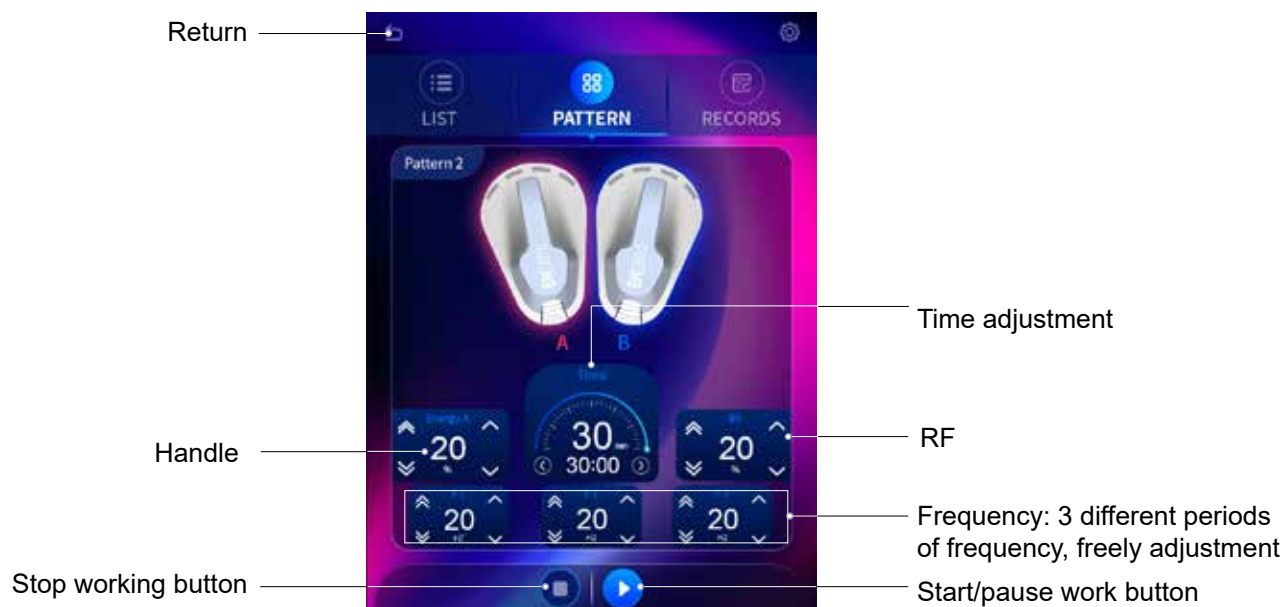


Adjust the corresponding intensity according to different customer needs to start the operation.If the customer requests to pause, you can click start/pause;
Note: The work button suspends the work, and you can directly click the back button to return after the work is completed.

Click Mode 2 → 



The operation interface of mode 2 is as follows (Please take out the handle from the handle frame before operation, and use the belt to fix the handle to the operation required by the customer,part)



Note:

Adjust the corresponding intensity/stage frequency/time according to different customer needs,click the start/pause work button to enter the operation work, if any
When the customer requests to pause, they can click the start/pause work button to pause the work, and after the work is completed, they can directly click the return key to return.

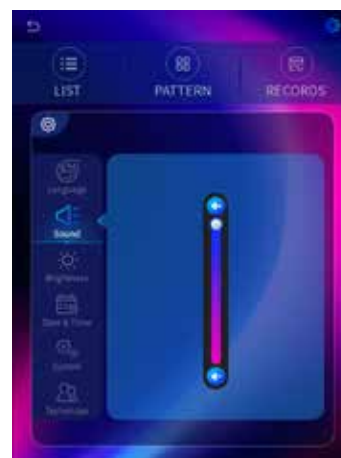
Set up →



Language settings



Sound adjustmen



Bright adjustmen



Set date time



System adjustmen



Technician

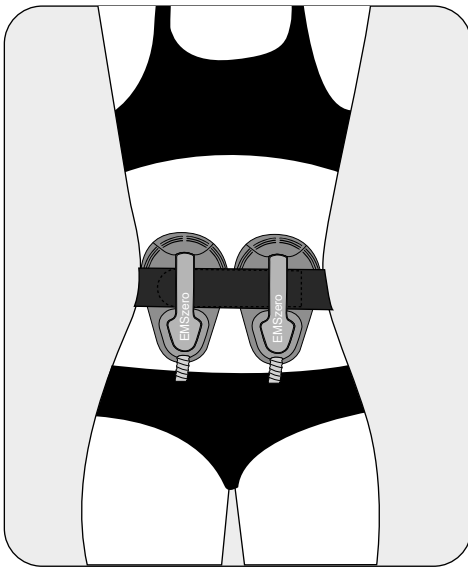


6.THERAPY

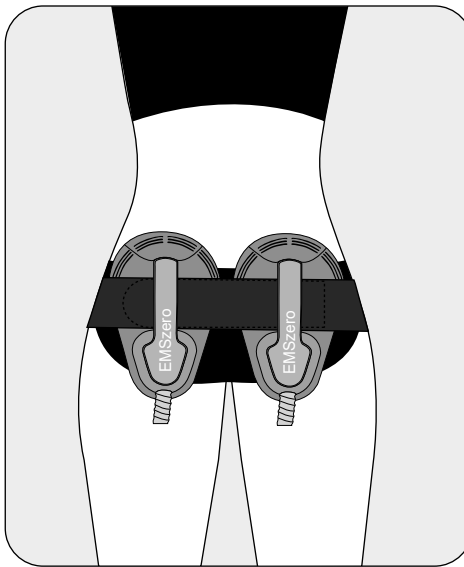
6.1 PREPARING THE THERAPY

1. Communicate with patients
2. Ensure good health
3. Stay hydrated
4. Wear appropriate clothing
5. Avoid eating in large quantities
6. Familiar with the treatment process
7. Avoid drinking alcohol

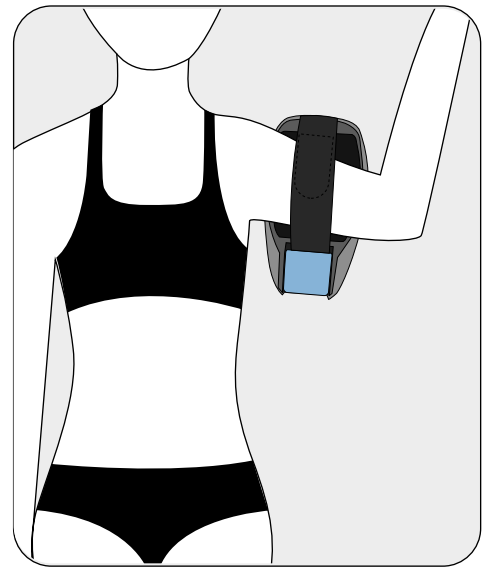
6.2 PLACING THE HANDLE



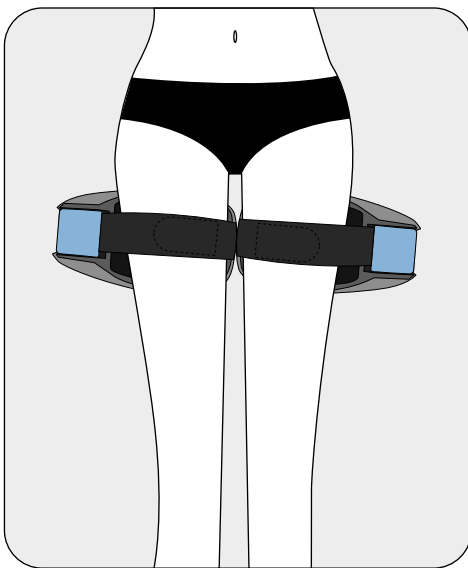
(Belly)



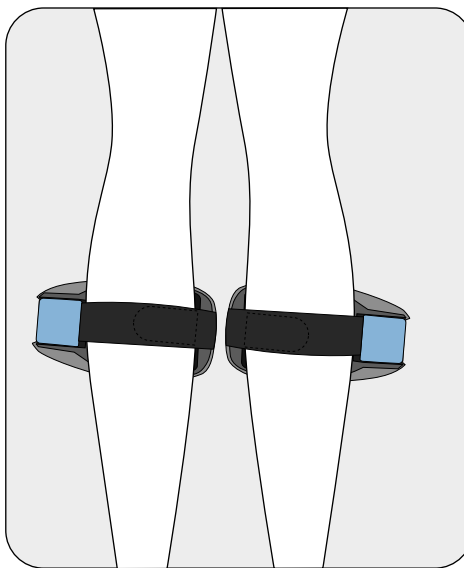
(Buttock)



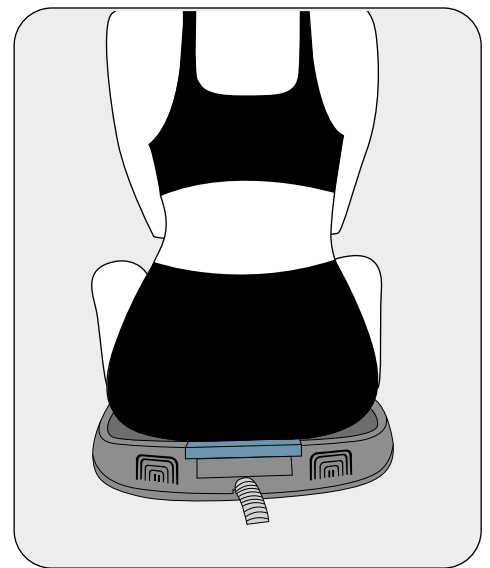
(Arm)



(Thigh)



(Calf)



(Arse)

Please operate according to the controller model you purchased and follow the manufacturer's official documentation to ensure the best experience. If you have any questions, please contact customer service for support.

7.Maintenance and Repair

7.1 Maintenance

7.1.1 Daily inspection

Managers must regularly inspect instruments and components. Whether the power socket has a reliable connection to the ground. Please check whether the power cord of the instrument is damaged before use, and stop using the instrument if it is damaged.

7.1.2 Cleaning

Instrument cleaning is performed on a regular basis to ensure sanitation and proper functioning of the equipment. The device housing can be wiped with a damp cloth, soapy water or a neutral detergent while the instrument is powered off.

7.1.3 Replacing the fuse

When replacing the fuse, in order to prevent electric shock, please turn off the power and unplug the power plug.

7.2 Repair

Maintenance:

After purchasing the instrument, you need to fill in the warranty card and send it to the manufacturer or agent to have the effect of warranty; from the date of the purchase of the instrument, if the product quality problem which belongs to the company occurs, then the free Warranty is promised in one year; (Warranty needs warranty card and purchase bill, and the scope of warranty here is limited to the instrument host, excluding accessories and other consumables that need to be replaced regularly). After the warranty period has expired, please contact the manufacturer directly to provide paid after-sales service. To repair the machine, you must contact the company's business department or dealer, and do not repair it without authorization. Any unpacking without consent will not be guaranteed by our company.

8.MAINTENANCE

8.1 FUSE REPLACEMENT

The fuse is set below the handle junction on the back of the machine. An additional spare fuse is included.

8.2 CLEANING OF THE SURFACE OF THE DEVICE

The logo of the machine is painted by silk screen printing process.



The rest of the parts are painted with a spray painting technique. Please use cotton paper towels or ordinary toilet paper moistened with water to wipe clean, do not use alcohol-based detergents.

8.3 CLEANING OF ACCESSORIES THAT COME INTO CONTACT WITH PATIENT

The parts that come into contact with the skin should be cleaned and disinfected with 75% alcohol before and after use. Do not soak directly in alcohol-based detergent as a whole, wipe with pure cotton material.

8.4 TRANSPORT AND STORAGE.

Storage and transportation management

Storage: The instrument should be stored in the original packaging box, placed in a well-ventilated room, the packaging box should be padded, the ambient temperature should be -10 °C ~ 40 °C, the relative humidity should not be greater than 93%, and it is not allowed to be placed in harmful gases. around flammable, explosive substances and corrosive gases.

Transportation: The instrument under the packaging condition is suitable for road, railway, air and water transportation. During loading, unloading and transportation, it should prevent severe vibration and shock, and should not be affected by moisture, and should not be mixed with flammable and corrosive substances, and the specific requirements are specified in the order contract.

8.5 Term of use

- The warranty period of this instrument is 1 year (note: man-made damage is excluded).
- The warranty period for accessories is 3 months (note: man-made damage is excluded).
- The continued use of the instrument beyond the service period shall be subject to the approval of the engineer, and the engineer shall conduct a performance test of the instrument periodically in the subsequent use.
- Scrap instruments and accessories beyond their useful life should be disposed of according to local regulations.

8.6 Common faults and troubleshooting methods

Fault phenomenon	Causes	Exclusions and workarounds
Device not working	The power plug is not inserted into the socket Power switch not on Power fuse failure	Check the power Check the power switch Replace the fuse
Handle not working	Check the handle for loose	Reseat the handle

9. TECHNICAL PARAMETERS

Name	EMSzero
Input power supply	AC110V-220V 50/60Hz
Output maximum power	0-6500W
Frequency	5-200HZ
Screen size	15.6 inches
Machine color	Gray

9.1 ELECTROMAGNETIC COMPATIBILITY

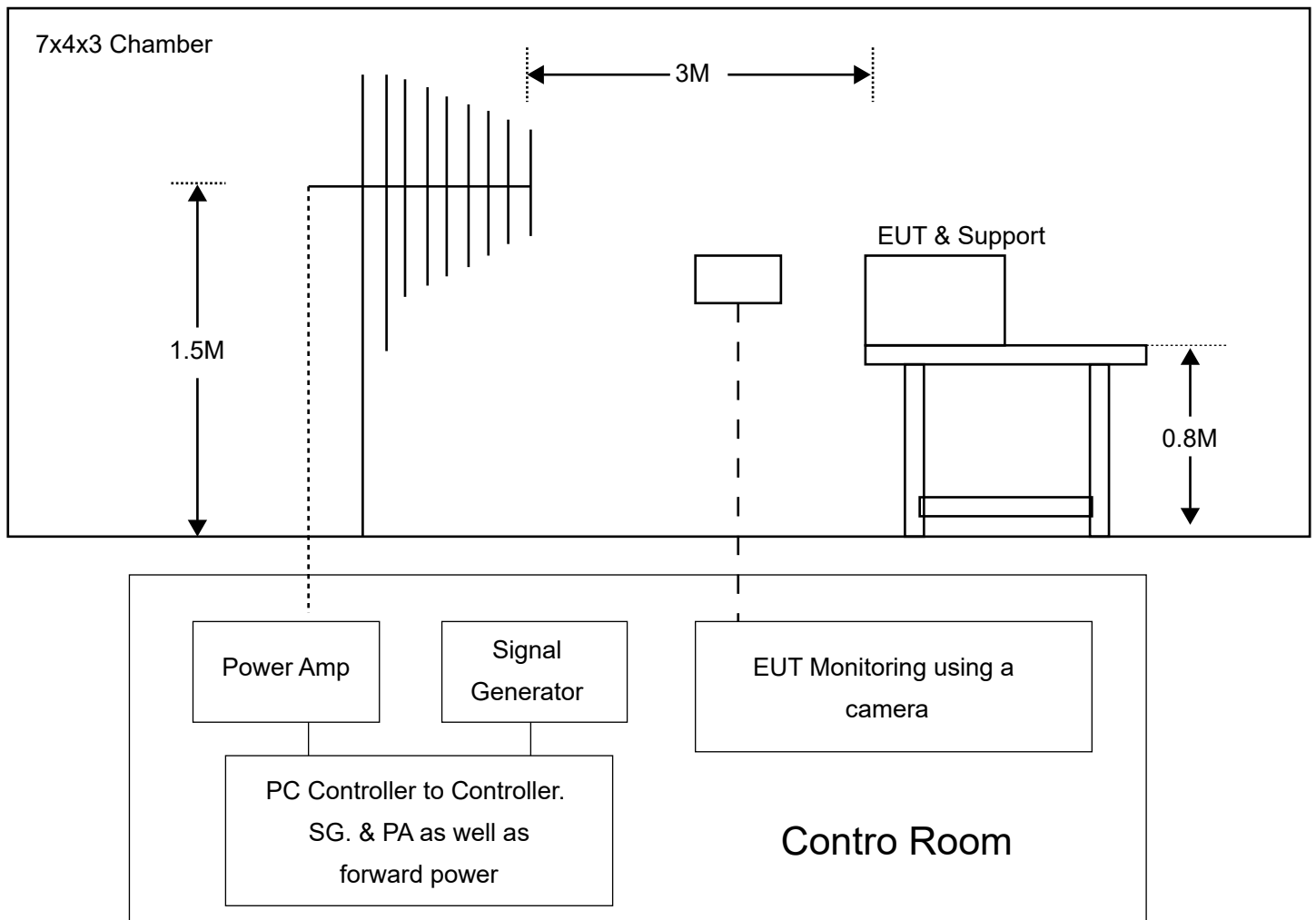
RADIATED ELECTROMAGNETIC FIELD IMMUNITY TEST

Port	: Enclosure
Basic Standard	: IEC 61000-4-3:2020
Test Level	: 30V/m with 80% AM. 1kHz Modulation.
Standard require	: A
Tester	: Sam Liu
Temperature	: 25°C
Humidity	: 54%

TEST EQUIPMENT

Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Signal Generator	IFA	2023B	N/A	15/03/2022	14/03/2023
Power Amplifier	AR	150W1000	N/A	15/03/2022	14/03/2023
Power Antenna	AR	25S1G4A	N/A	15/03/2022	14/03/2023

BLOCK DIAGRAM OF TEST SETUP



10.Warranty Card

1. The machine can be replaced with a new one within 7 days from the date of purchase (with the receipt) with the intact appearance. The main machine is guaranteed for one year (except for fragile parts, and other non-warranty scope or expired warranty period) .Also can be responsible for maintenance and update, and the maintenance fee needs to be charged appropriately. If the instrument broken and needs to be sent back for repair, the buyer shall bear the return shipping out cost within six months from the date of purchase, and the seller shall bear the shipping in cost; the buyer shall bear all the shipping costs for more than half a year.

2. Free warranty service is not provided for the following user's failures caused by personal reasons;

- ①Faults caused by unauthorized disassembly and modification of this product;
- ②Faults caused by accidental fall;
- ③ Failure caused by lack of reasonable maintenance;
- ④ Failure to operate according to the correct instructions in the instruction manual;

Maintenance record sheet

Product name		Purchase date	
Dealer name		Telephone	
Dealership address			
Customer name		Telephone	
Customer address			
Maintenance date	Cause of issue	Maintenance content	

11.MANUFACTURER

Guangzhou Xinwei Electronic Technology Co., Ltd.