

Double Channel Electromagnetic shock wave USER GUIDE

DoubleWave



Warning

Dear user:

Thanks for using our company's products, in order to fully make use of the products, we sincerely suggest follow:

Please read the instruction in detail and keep it well for further reading and consulting.

- ◆◆ Please follow the instruction to fit and operate the machine correctly.
- ◆◆ Please do not remove and change any accessories of the machine.
- ◆◆ It forbids others to open and remove the mainframe except the authorized people in the company.
- ◆◆ It forbids others to change and maintain the machine except the professional people.
- ◆◆ Please contact us if there is any trouble during operation.

This product does not belong to medical, please don't use for disease treatment!

Advantage

1. By the targeted application of the shockwaves, stress to the surrounding tissues is quite insignificant;
2. The body not burdened by pharmaceuticals, except the short-term effect of local anesthesia if used;
3. The possibility of preventing the necessity of surgical intervention and its relevant hazards;
4. For some indications, such as tennis elbow, there is really no other effective treatment.

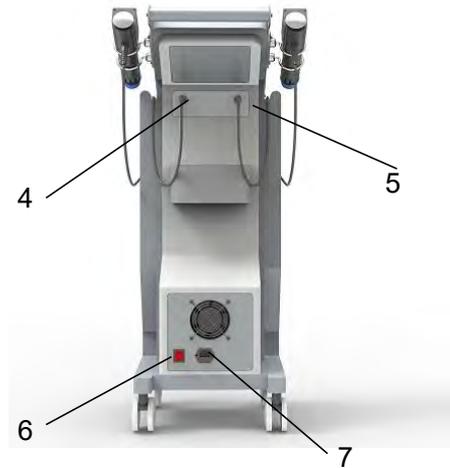
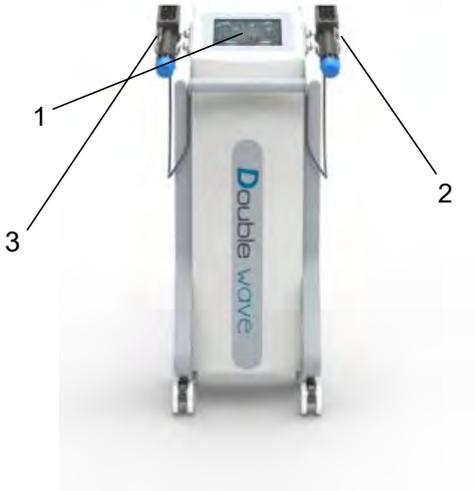
General Introduction

A shockwave is defined as a wave with a rapid increase of increase of pressure within a very short time and then having a gradual decrease of pressure with a small negative pressure phase. shockwave is aimed at the affected area that are the source of chronic pain, the influence of the shockwaves causes to the dissolution of calcium deposits and leads to better vascularization. The after-effect is relief from the pain.

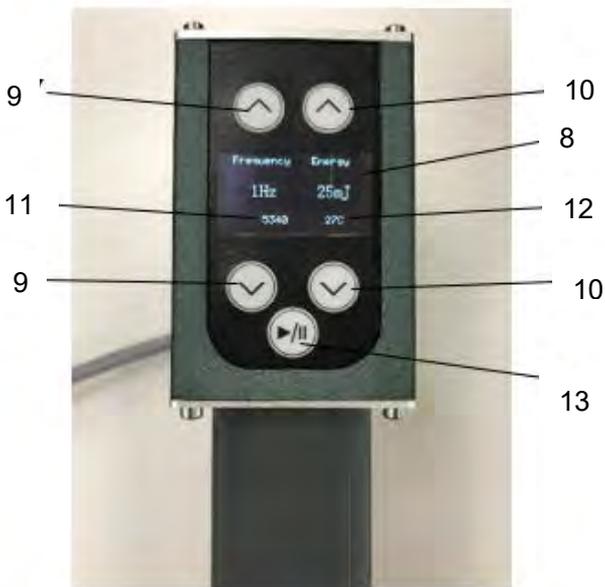
Shockwave has the following effects:

- > Cellular: Increase in cell membrane transmittance by improving ionic channels activity, stimulation of cell division, stimulation of cellular cytokines production.
- > Reproduction of vessels in the area of tendons and muscles: Improvement of blood circulation, increase in concentration of growth factor beta1, chemotactic, and mitogenic effect on osteoblasts.
- > Effect on nitrogen oxide system: Bone healing and remodeling.
- > Improvement of micro-circulation and metabolism.
- > Dissolution of calcified fibroblasts.
- > supports the production of collagen.
- > Reduction in tissue tension
- > Analgesic effect.

Introduction



- 1.Touch screen
- 2 / 3. Hand piece supporter
- 4 / 5. Hand piece connector
- 6.Power switch
- 7.Power socket



- 8. Digital control panel
- 9. Frequency adjustable
- 10. Energy adjustable
- 11. total number of impacts
- 12. real temperature of hand piece
- 13. Button for start and stop

Note:

Showing real temperature of inside coil of hand piece, when temperature up to 80 degree, must stop work for 30 minutes.

Accessories



Shockwave handle



1# ~ 7# heads (number 6 and 7 for ED therapy)

operation

1. All accessories well connected
 - (1) Insert the plug of shockwave work handle into (4) And (5) output jack.
 - (2) Choose right heads. hold the work handle in one hand and unscrew the head from the work handle (anticlockwise). screw the new head tightly (clockwise).
2. Insert the plug of power wire into (7) socket turn on power switch (6), and need to input password "888888" (Fig1), the system enter interface as (Fig 2) shows.
3. In interface as (Fig 2)

- (1) Click on "Basic setting" to select language, set time and date.

NOTICE: Advanced setting is only for engineers , not for user.

- (2) Click on the body part need to be treated on the screen.
4. This system include 10 different body parts.

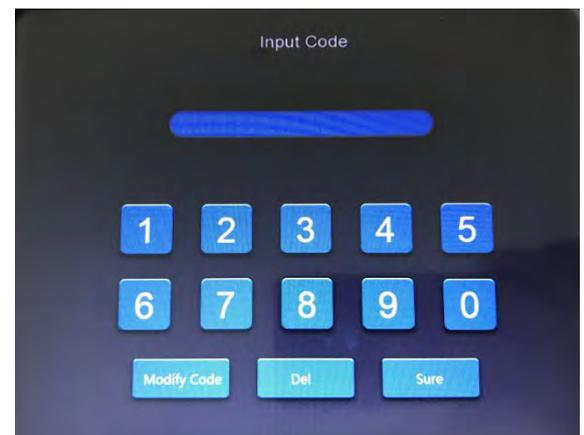


Fig 1

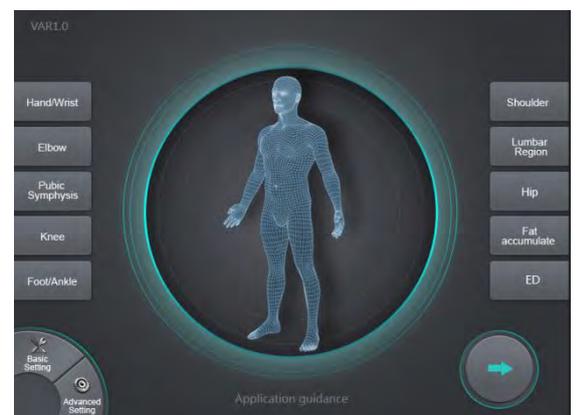


Fig 2

5. Each operation part is programmed with two automatic modes, C mode and P mode. C mode is comfortable mode, softer, suitable for customers with weak tolerance; P mode is professional mode, greater intensity based on clinical recommendations.

Both modes have parameters that have been set, including the default intensity, frequency, and number of impacts.

The automatic mode can also be adjusted freely to adjust to the most suitable parameters with handpiece or touch screen.

6. This User's manual use "Hand/Wrist" treatment for example.

In interface as (Fig 3),

- (1). Apply gel to the treated body parts;
- (2). Click on "Hand/wrist" to enter the treatment screen;
- (3). Install the recommended tip on the handle;
- (4). Chose the mode you need, for example, select "P mode";
- (5). Click the "Start" button on the screen;
- (6). Close the handle to the body area of the treatment, click the "Start" button on the handle control panel to start working.



Fig 3

(7) "Preload 300 " stands for when the system works to 300 impacts every time, it will pause automatically. Please click on any place of the screen to restart.

(8) "Impact" represents the number of shocks;

(9) "Round" represents the number of rounds completed; (300 impacts are one round)

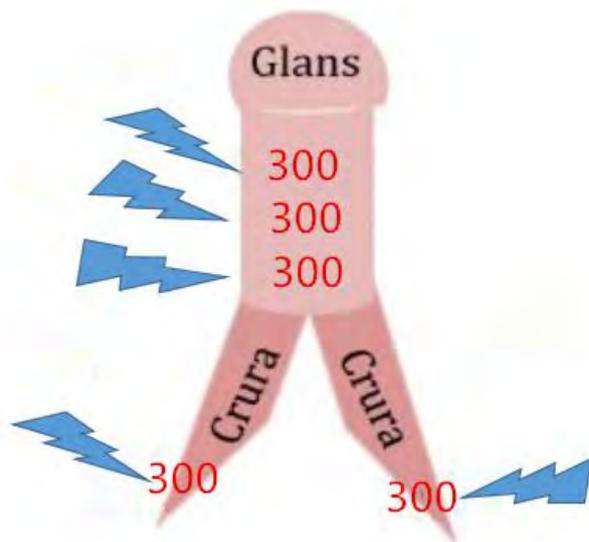
(10) "Frequency 10HZ" stands for the system default work frequency is 10HZ,

click on "<" and ">" to adjust. The range is :1HZ-16HZ

(11). "Energy 50MJ" stands for the system default work frequency is 50MJ, click on "<" and ">" to adjust. The range is 50MJ-200HJ.
When the frequency is 1Hz to 13Hz, the energy is 50-200MJ;
When the frequency is 14Hz, the energy is 50-150MJ;
When the frequency is 15Hz, the energy is 50-130MJ;
When the frequency is 16Hz, the energy is 50-100MJ.

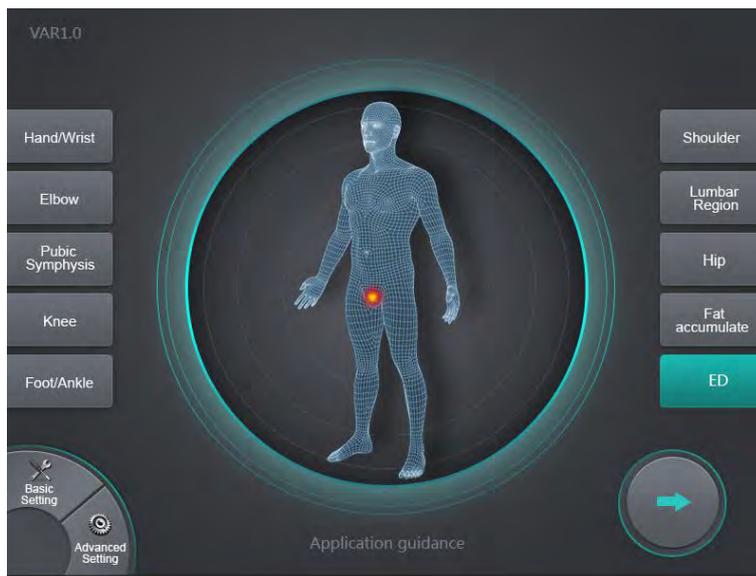
ED therapy protocol

1. Treatment Programs



- (1) Target to spongy tissue in 5 different areas
- (2) 300 impacts per area, total 1500 impacts in one treatment
- (3) Twice a week, treat consistently for 3 weeks, then stop for 3 weeks. And start next course.
- (4) Should be more impacts at the top end of penis, and Less impacts at the bottom of penis.

2. ED parameter selection



(1) It programmed with two automatic modes, C mode and P mode.

The default parameter of **C mode**:

300 impacts per time, Frequency 3HZ, Energy 5MJ.

The default parameter of **P mode**:

600 impacts per time, Frequency 10HZ, Energy 15MJ.

Both of two automatic modes can be adjusted freely with handpiece or touch screen.

(2) The frequency of ED treatment is 1-10HZ. The recommended frequency is 3-8HZ.

The energy of ED is 5 10 15 20 25 30MJ, please adjust the energy according to the customer's feeling from low to high during operation.

PS: This program is only for reference. Please follow the doctor's advice.

3. Operation guide

(1) Choose the 6# and 7# exclusive ED treatment work head, Along the 5 areas of the spongy tissue, 300 impacts per area, total 1500 impacts in one round, about 20 minutes.



(2) 5# head for prostate



Following are two automatic mode parameter tables for different body parts.

Automatic mode parameter table					
Area	C Mode	P Mode	Time	Sessions	Interval
Elbow	3HZ / 20MJ	10HZ / 50MJ	2500	5-10	5-7days
Hand/Wrist	1HZ / 25MJ	8HZ / 50MJ	2500	5-10	5-7days
Pubic Symphysis	1HZ / 25MJ	13HZ / 60MJ	2500	5-10	5-7days
Knee	3HZ / 25MJ	10HZ / 50MJ	2500	5-10	5-7days
Foot/Ankle	3HZ / 20MJ	10HZ / 50MJ	2500	5-10	5-7days
Shoulder	8HZ / 90MJ	12HZ / 160MJ	2500	5-10	5-7days
Lumbar Region	8HZ / 90MJ	10HZ / 130MJ	2500	5-10	5-7days
Fat accumulate	10HZ / 100MJ	15HZ / 130MJ	2500	5-10	5-7days
Hip	8HZ / 100MJ	13HZ / 160MJ	2500	5-10	5-7days
ED	3HZ / 5MJ	10HZ / 15MJ	1500	2-3	twice a week

6. During operation, hold the work head in one hand. Target the handpiece on area/point of treatment. while impacting, can move the handle slightly in order to cover the whole area. After the pre-load impact is finished, and restart the next round.
7. use warm towel to clean the work head after treatment.

Cautions:

1. after 20000 impacts, stop working for 5 minutes, or when the temperature up to 80 degrees, stop working for 30 minutes.
2. To avoid heat accumulation, it is important to ensure that both the air vents on top and at bellow are not blocked by hand holding or anything else.
3. heads and bullets are consumable parts which must be replaced after a certain period of working

Forbiddens

- 1.The eyes and the surrounding area, the myocardium, the spinal cord, the gonads, the kidneys and the liver.
- 2.Blood disorders, coagulation problems or the use of anticoagulants.
- 3.Polypus in the area of treatment.
- 4.Thrombosis.
- 5.Tumor diseases.
- 6.Polyneuropathy.
- 7.Growing cartilage in children.
- 8.Therapy using corticoids.
- 9.Inapplicable on areas in proximity to large nerve bundles, bundles, blood vessels, the spinal cord and the head.

Possible Side Effects

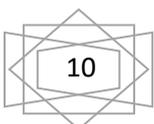
1. Erythema or swelling can temporarily occur in the treated area.
2. Loss of bodily sensation or itching can temporarily occur in the treated area.
3. Skin damage after previous corticoid therapy.
4. Shockwave application can cause undesirable heart activity.

Technical

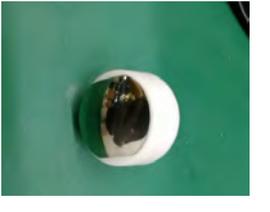
Input voltage: AC220V□/ 50HZ□

AC 110V□/60HZ□

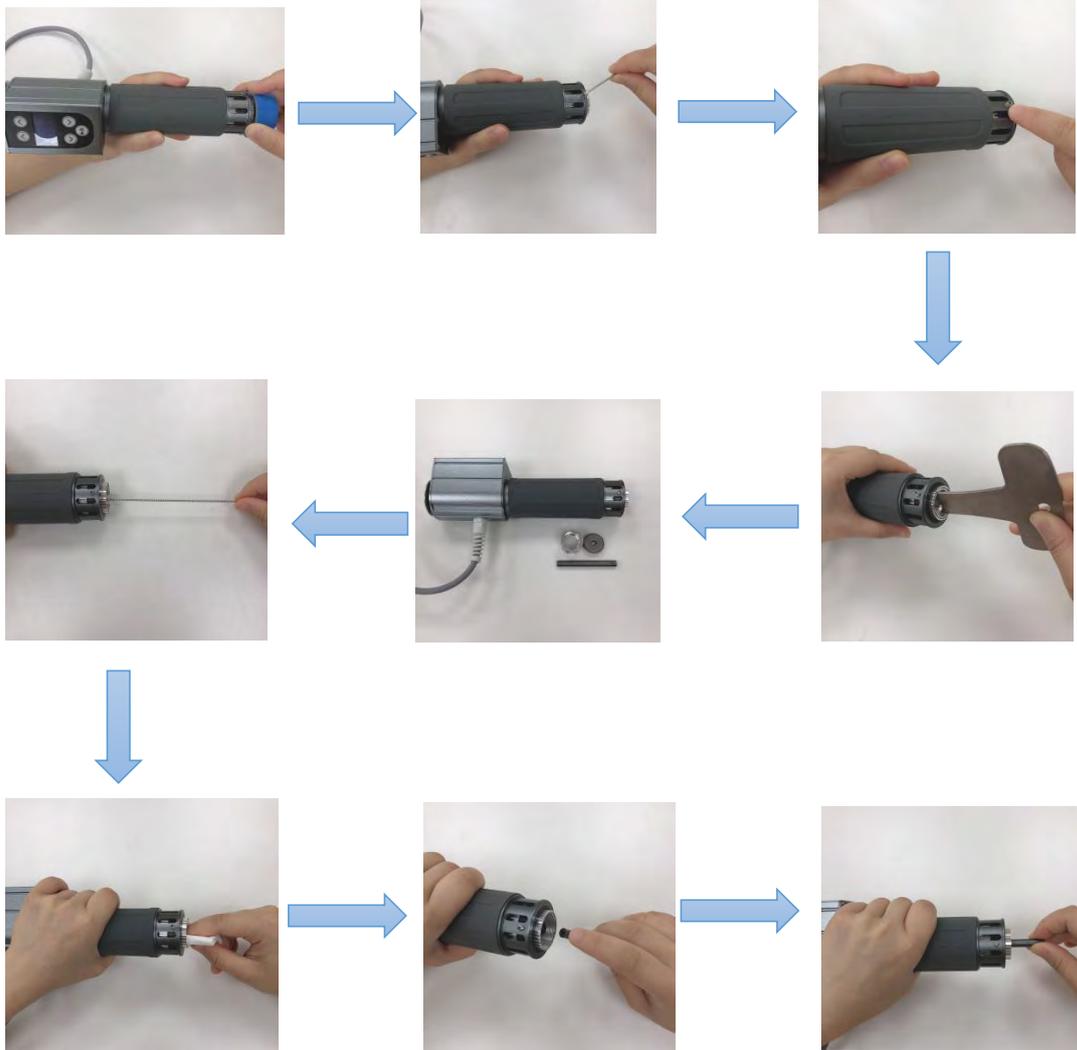
Output Power: 200W



Double channel shock wave therapy pack list

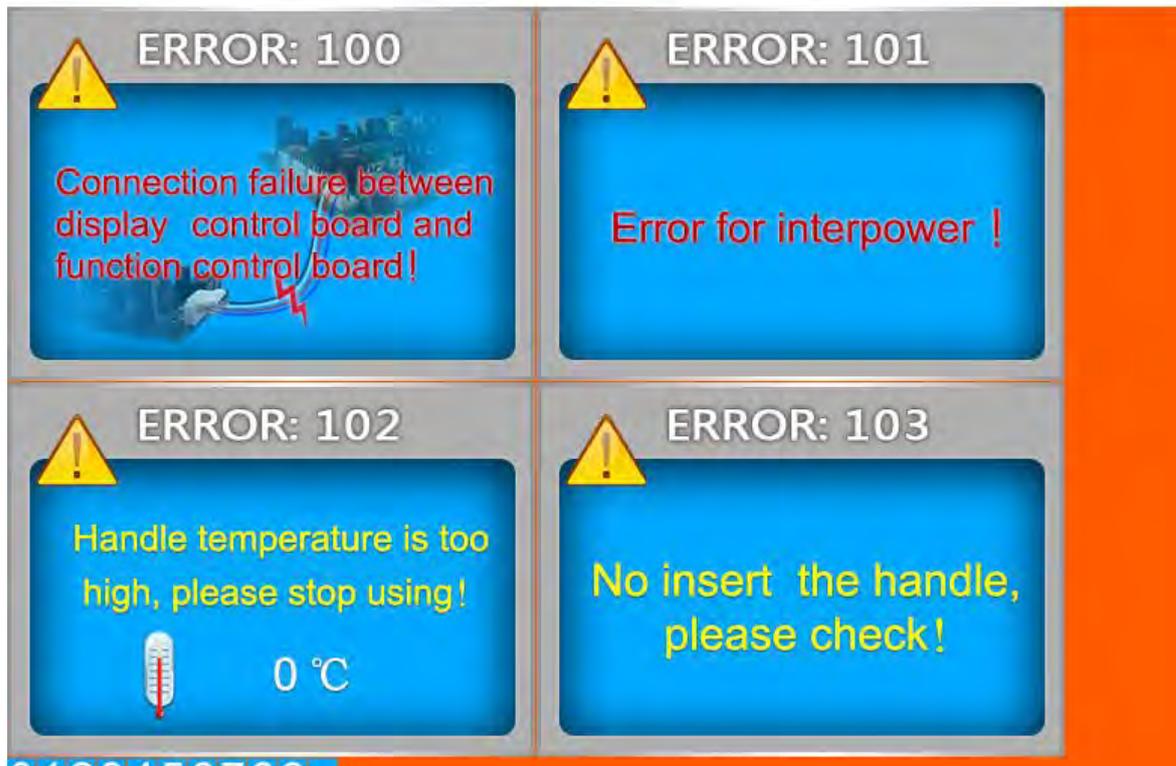
				
NO.1# 2PCS	NO.2# 2PCS	NO.3# 2PCS	NO.4# 2PCS	NO.5# 2PCS
				
NO.6# 2PCS	NO.7# 2PCS	Shock wave handle 2PCS	Blue cap 10PCS	Brush 2PCs
				
Handle 2PCS	Handle support 2PCS	fixed plate 2PCS	Wrench 1PCS	19*2.5 10PCS
				
M6*12 4PCS	M6*10 4PCS	Screwdriver 1#	Screwdriver 2#	Screwdriver 3#
				
Bullet 2PCS	Power line			

How to change the bullet and clean the handle



1. Unscrew the work head
2. Use the screwdriver to unscrew two screws in the front of the handle
3. Use the wrench to unscrew the thread tube
4. Take the washer out
5. Use the brush and soft towel to clean the handle
6. Change the bullet
7. Put the washer back, use the wrench to screw the thread tube, screw two screws in the front of handle

The reasons and basic solution of errors



ERROR	Reason	Solution
ERROR:100	Connection failure between display control board and function control board	May caused by the loose connection between display control board and function control board. Please call the Customer Service Department and operate under their guidance.
ERROR:101	Error for interpower	We will send you video to guide you how to solve it.
ERROR:102	Handle temperature is too high, please stop working	The handle may be broken or work for a long time. Check if the fans work normally. If don't , let the handle stop working for half hour.
ERROR:103	No insert the handle, please check	The handle may be loose or not inserted. Please install the handle again and restart.

How to maintain the handle

1. Keep the handle close to the skin of treatment area during the treatment
2. After the operation, don't turn off the machine immediately until the cooling fans stop working.
3. After the treatment, use warm towel to clean the work head.

Touch Screen Calibration

1. Before turn on the machine, please put finger and keep press on the screen, don't move the finger, then turn on the power switch
2. The prompts "Err0" is on the screen, "After releasing the key, we enter into the calibration procedure, Operating under the prompts of the screen". Then release your finger now.
3. Operating under the prompts:
 - (1) Press the cross dot in left-top" +"
 - (2) Press the cross dot in right-top" +"
 - (3) Press the cross dot in right-bottom" +"
 - (4) Click on the point (left top)
 - (5) Click on the point (right bottom)
4. Calibration screen is finished, the system enters" input password" interface.
5. Don't input the password, turn off the power switch, reboot the system.