SYGENX™

RADWAVE™

Radial Pulse Therapy Device

USER MANUAL

V.1.0

SYGENX™
Science for an Active Life

RADWAVE SYSTEM CONTENTS

OBJECT	QUANTITY	PICTURE
Controller unit	1	
Handpiece	1	
Foot switch	1	
Applicator	Diameter of 6/15/25mm one each	
Power Cord	1	
Hand Piece Stand	1	
Stylus	1	
Protective Silicone Cap	10	
Aluminum Alloy Carry Case	1	

RADWAVE™
Radial Pulse Therapy Device

TABLE OF CONTENTS

SYGENX™
Science for an Active Life

1.0 OVERVIEW

1.1 INTRODUCTION

The RADWAVE Radial Pulse Therapy Device is a medical device produced by Sygenx. It utilizes the energy generated by the solenoid drive to accelerate a projectile inside an ergonomic hand piece, so that the projectile impacts a specially shaped applicator head thereby creating a radial acoustic wave pulse. The pressure and hertz cycle of the pulse is adjustable and programmable through the control unit to treat a variety of conditions. The control unit features a touch screen user control interface for ease of programming. Specific protocols can be stored in the memory of the control unit. The applicator hand piece is remotely operated by a foot switch. Please carefully read the manual prior to using the device.

1.2 INDICATIONS / CONTRAINDICATIONS

The RADWAVE RPTD device is intended for relief of minor muscle aches and pains and for temporary increase in local blood circulation.

The device is contraindicated for patients with the following conditions:

- vascular diseases present in or near the treatment area
- local infections in the treatment area
- around malignant tumors or benign tumors
- directly on cartilage surfaces or near the small facet joints of the spinal column
- directly over implanted electronic devices such as pacemakers, analgesic pumps, etc.
- in areas in which mechanical energy in the form of vibrations may lead to tissue damage such as metal implants after a fracture
- pregnancy
- patients using immunosuppressant drugs

1.3 SYSTEM COMPONENTS AND GENERAL OVERVIEW

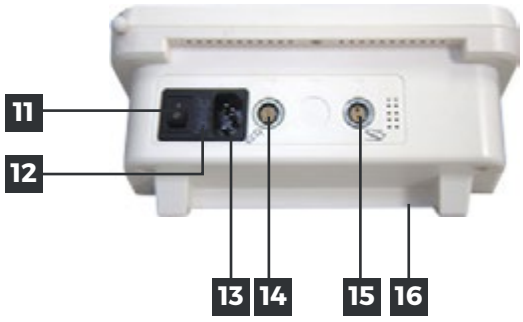
The device consists of a control unit (which includes an upper and lower case, power supply, main board and touch screen), hand piece with applicator head and a foot switch. Accessories include power cord, stylus, hand piece stand, keys and aluminum alloy carry case. Supplies include silicone caps and lubricating gel.

SYGENX™
Science for an Active Life

DEVICE VIEW

FRONT

BACK



1. Controller
2. Energy Knob
3. Stylus
4. Display Screen
5. Frequency Knob
6. SD Card Slot
7. Hand Piece (Therapeutic Head/ Solenoid Drive Hand Piece)
8. Fan Exhaust Parts
9. Air Intake and Fan
10. Foot Switch
11. Power Switch
12. Fuse
13. Power Port
14. Hand Piece Port 2
15. Foot Switch Port
16. Product Nameplate

1.4 SYSTEM FEATURES

The main product features of RADWAVE RPTD as follows:

A. The ergonomic design provides ease of setting and operating the unit;
B. Intuitive programing through the 7 inch touch screen design;
C. External power source to ensure appropriate device functioning;
D. Programmable pulse pressure and frequency to conform to treatment demand;
E. Ultra-silent operation;
F. Seven adjustable preset treatment programs;
G. Portable system design.

1.5 PRODUCT REQUIREMENTS AND MAIN PARAMETRIC DESCRIPTION

1. Working power supply: 100-240VAC, frequency: 50/60Hz
2. Environmental requirements

ITEM	TEMPERATURE REQUIREMENT	HUMIDITY REQUIREMENT	ATMOSPHERIC PRESSURE
Work environment requirement	20°-32°C	25%-75%RH	700hPa-1060hPa
Storage environment requirement	0°-40°C	10%-93%RH	700hPa-1060hPa
Transport environment requirement	10°-70°C	10%-93%RH	700hPa-1060hPa

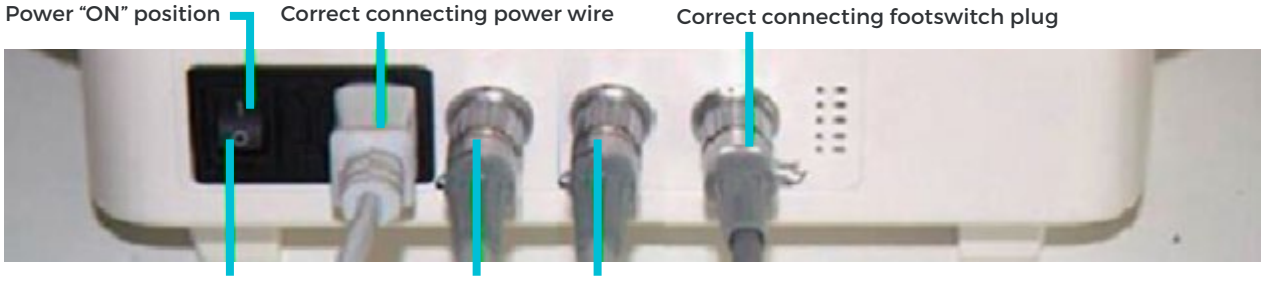
Product technical parametric description

- **Pulse energy produced /** 60~185millijoules (1-5bars)
- **Operating pattern /** 4 pulse modes (4/8/12 pulse bursts or continuous pulses)
- **Working frequency /** 1~22hz continuously adjustable frequency
- **Operating System Version 2.0 /** 7 programmable preset treatment protocols. Exceeds 25 preset suggested treatment protocols
- **Control function /** All functions are implemented by touch screen operation; rotary knob controls energy and frequency, foot switch controlled hand piece operation.
- **Main Body Dimensions /** 290x240x130mm (length/width/height)
- **Product weight /** 2.07kg (does not include hand piece and foot switch)
- **Power consumption /** 100/240VAC 50/60 Hz, 250VA
- **Fuse specification /** 250V/10A
- **Therapeutic head temperature maximum /** The external temperature of therapeutic head of the device should not exceed 48°C.
- **Electrical safety classification /** External power supply type B device

SYGENX™
Science for an Active Life

2.0 ASSEMBLYING AND POWERING THE SYSTEM

2.1 CONFIGURING THE SYSTEM, ATTACHMENT OF CABLES



This photo depicts the two hand piece model. The single hand piece model will have only one hand piece connection port.

The RADWAVE RPTD is intended for table top use. Please ensure the power switch is set to "Off" ('O') prior to connection of cables.

2.2 POWERING THE SYSTEM

1. Press the power rocker switch to the "I" on position.

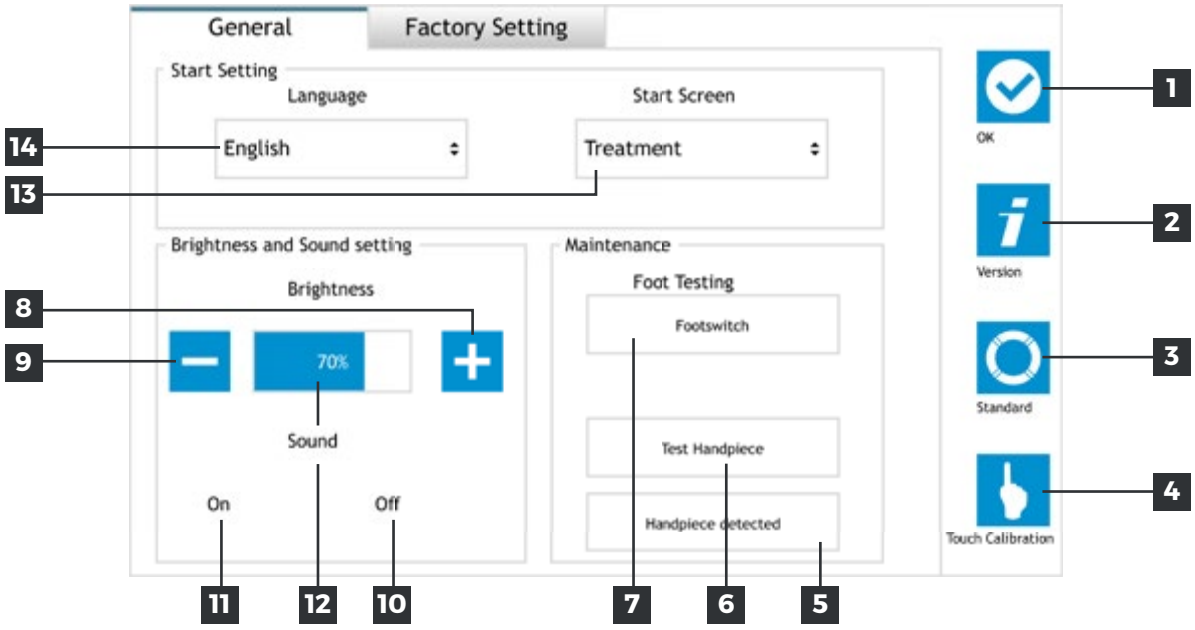
2. The initializing screen will appear while the software loads and the system performs a self-check.

3. After the system initializes and performs the self-check, the standby screen will appear: the unit is now ready to provide treatment.

SYGENX™
Science for an Active Life

2.3 SETTINGS

Clicking on the Settings icon will take you to the settings screen:



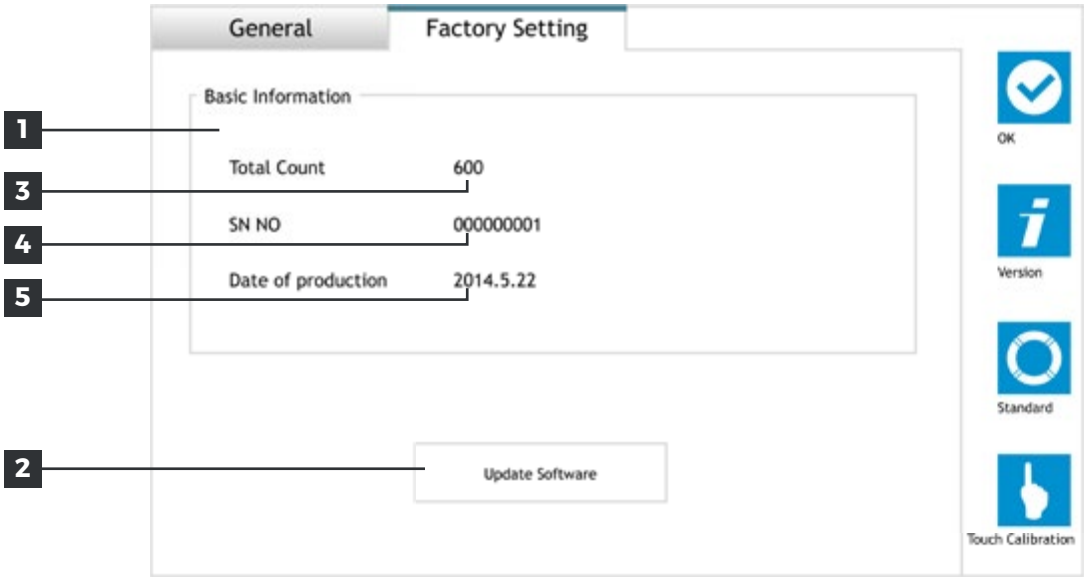
Various settings can be selected from this screen:

1. "Confirm" icon: clicking on this icon, the display screen will return to the standby screen.
2. "Version" icon: clicking on this icon, the screen will pop up a version dialog box detailing the product software information.
3. "Standard" icon: clicking on this icon, the general settings will return to the default settings.
4. "Touch calibration" icon: clicking on this icon, the display screen will pop up a prompt box, indicating whether you need to calibrate the touch screen.
5. Hand piece status indicator: the status bar turns blue if the hand piece is not found, meaning the connection of the hand piece to the controller should be checked.
6. "Test hand piece" icon: clicking on this icon activates the hand piece once to verify normal function.
7. Foot switch status bar: the status bar displays the connection status of the foot switch. When depressing the foot switch, the status bar will turn blue indicating normal performance.
8. Brightness increase icon: clicking on this icon, the luminance of display screen will increase and the value of the Brightness Indicator Bar (item 12) correspondingly increases.
9. Brightness decrease icon: clicking on this icon, the luminance of display screen will decrease, and the value of the value of the Brightness Indicator Bar (item 12) correspondingly decreases.
10. Sound "On" icon: clicking on this icon turns on the touch screen sound confirmation.

11. Sound "Off" icon: clicking on this icon turns off the touch screen sound confirmation.
12. Brightness Indicator Bar: the value of brightness represents the luminance of the display screen.
13. Start screen: clicking on this icon pops up a pull down menu of patient treatment operating modes; Memory, Treatment, Therapy, Program. Select the desired treatment operating mode to be started when the "Start" icon is clicked on the Standby Screen. Patient Treatment modes are discussed in next section.
14. Language pull-down menu: clicking on this button displays language options.

2.4 FACTORY SETTINGS

Factory settings view



Various settings can be selected from this screen:

1. Basic Information box: this box displays some key information of this product. Clicking on this box produces a dialog box which will request a password. This is used by the manufacturer for diagnostic testing.
2. "Update software" icon is used by the manufacturer for loading and updating software.
3. "Total Count", summarizes the total number of pulses produced by the unit.
4. "SN number" displays the identifying Serial Number of the device.
5. Date of manufacture of the device.

SYGENX™
Science for an Active Life

3.0 OPERATING INSTRUCTIONS

3.1 OPERATING INTERFACE ICONS INTRODUCTION


Version Information


Save


Standard or Default


Click and Touch by Hand


RAM Management


Scheme Treatment Descritpion


Back to the Previous Screen


Back to the Booting Interface


Increase


Decrease


Start


Treatment


Treatment Recommendations


Treatment List


Delete


Confirm


Cancel


Upward


Downward


Settings


Body parts


Change Count Direction

Selected Start Hand Piece 1

Selected Start Hand Piece 2

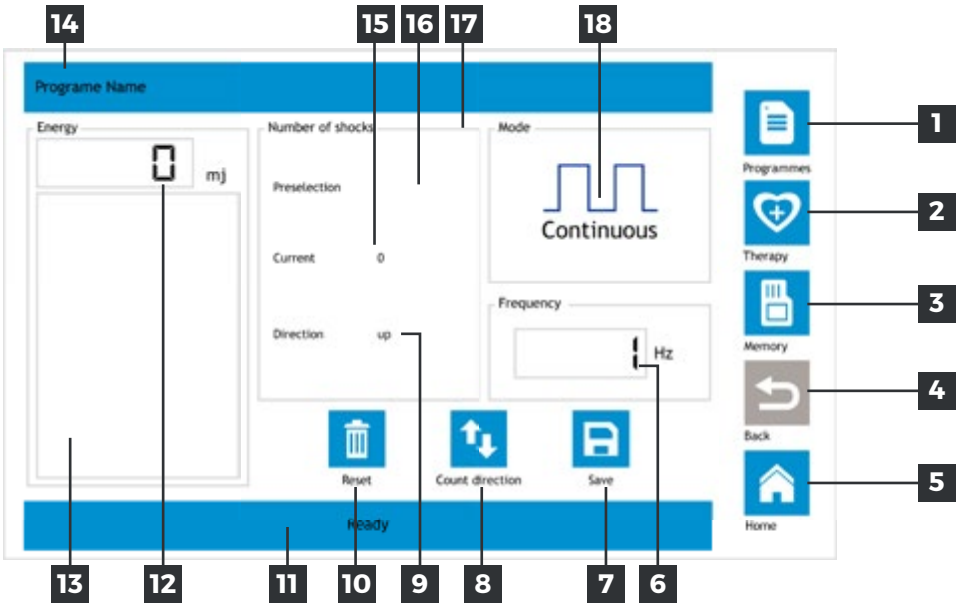
3.2 PATIENT TREATMENT MODES

From the Standby screen, click the “Start” icon to access the patient treatment mode screens. Depending upon the patient treatment mode selected on the Setting screen, one of the following patient treatment mode screens will be accessed:

- **Memory**
- **Therapy**
- **Treatment**
- **Program**

SYGENX™
Science for an Active Life

3.2.1 TREATMENT SCREEN



Description

1. "Programs" icon: clicking on this icon switches the display to the Program treatment mode.
2. "Therapy" icon: clicking on this icon switches the display to the Therapy treatment mode.
3. "**Memory" icon:** clicking on this icon produces a keyboard display and enables saving a user defined treatment protocol which can then be accessed in the Memory treatment mode.
4. "Return" icon: clicking on this icon returns the display to the previous treatment mode screen.
5. "Home" icon: clicking on this icon returns the display to the standby screen.
6. Frequency display bar: turning the Frequency knob on the machine adjusts the frequency (hertz rate) of the pulses generated per second and the corresponding frequency is displayed on this bar.
7. "Save" button: clicking on this icon pops up a dialog box to enable saving the current treatment data.
8. "Count direction" button: clicking on this icon displays the pulse count total in either an up or down progression.
9. Direction: this indicates the direction of the pulse count, either increasing or decreasing.
10. "Reset" icon: clicking on this icon resets the pulse count to either zero or maximum pulse limit depending on the selected count direction.
11. Hand piece status bar
12. Energy: displays the amount of energy in Mj to accelerate the projectile and is adjusted using the Energy knob on the machine.
13. Energy display bar: displays the amount of energy accelerating the projectile in graphic format and is adjusted using the Energy knob on the machine.

14. Treatment title: displays the selected the treatment interface setting value, frequency
15. Current: Displays the current number of treatment pulses. The hand piece automatically stops delivering pulses when the number of pulses equals the preset limit for the treatment.
16. Preselection Setting value: Displays the number of pre-selected pulses at which the treatment automatically stops. Clicking on this area produces a pop up box enabling the adjustment of preselected pulse count. The maximum pulse count is 10,000 pulses and is adjustable in 100 pulse increments.
17. "Settings treatment" data box: clicking on this box produces a dialog box to set the treatment data.
18. "Working mode" box: clicking on this box produces a dialog box to choose a working pulse mode.

3.2.2 PROGRAM MODE

This operating mode is for accessing pre-defined stored treatment protocols. Seven different treatment protocols have been pre-defined and stored.

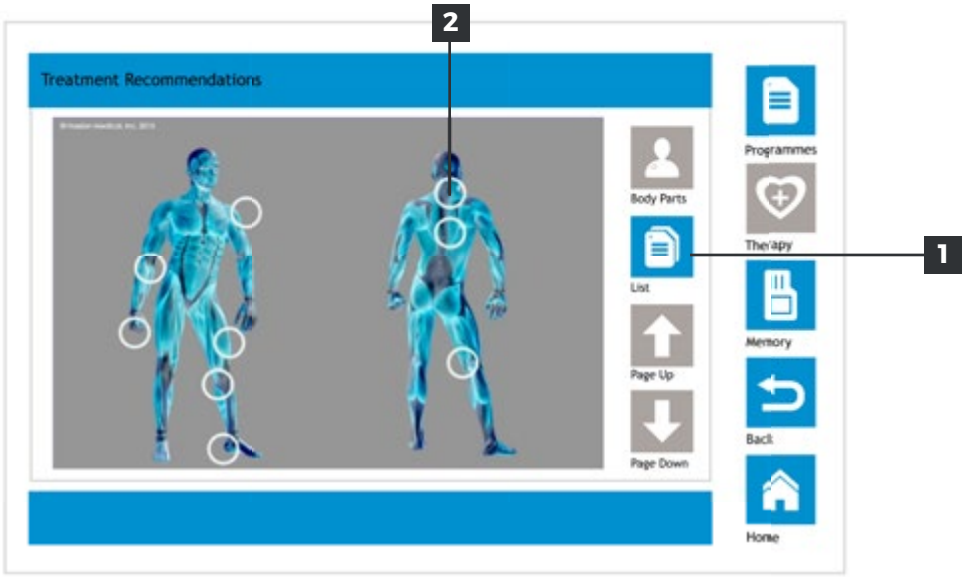
Description

1. "Program" button: clicking on this button, the display screen produces a list of stored treatment protocols. The desired protocol is selected by clicking on the protocol and then clicking on the "Treat" icon. This will launch the Treatment screen with the protocol automatically loaded.
2. "Therapy" icon: clicking on this icon progresses the screen to the Therapy mode.
3. "Memory" icon: clicking on this icon progresses the screen to the Memory mode.
4. "Return" icon: clicking on this icon progresses the screen to the working interface.
5. "Home" icon: clicking on this icon progresses the screen to the Standby Screen.

6. "Treatment" icon: clicking on this icon progresses the screen to the treatment interface and the treatment parameters will also be transferred to the treatment screen.
7. Selected Treatment: clicking on the selected treatment highlights the treatment and the treatment parameters are automatically loaded.

3.2.4 THERAPY TREATMENT MODE

The Therapy treatment mode is an image driven selection process. It begins with an anatomical view and treatment target areas defined by white circles. Clicking on the white circle produces a location specific image with a pre-defined protocol for either acute or chronic conditions.



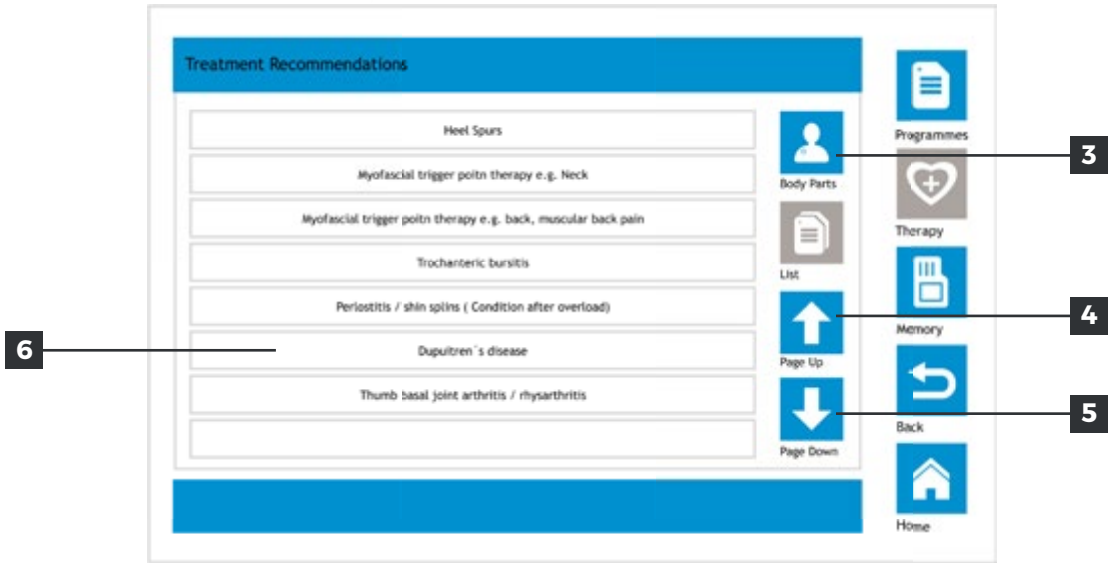
Description

1. "List" icon: clicking on this icon displays a list of anatomical treatment areas.
2. Treatment target area: Clicking on the white circle produces a location specific image with a pre-defined protocol for either acute or chronic conditions. The screen will have the listed indication with the suggested treatment protocol.

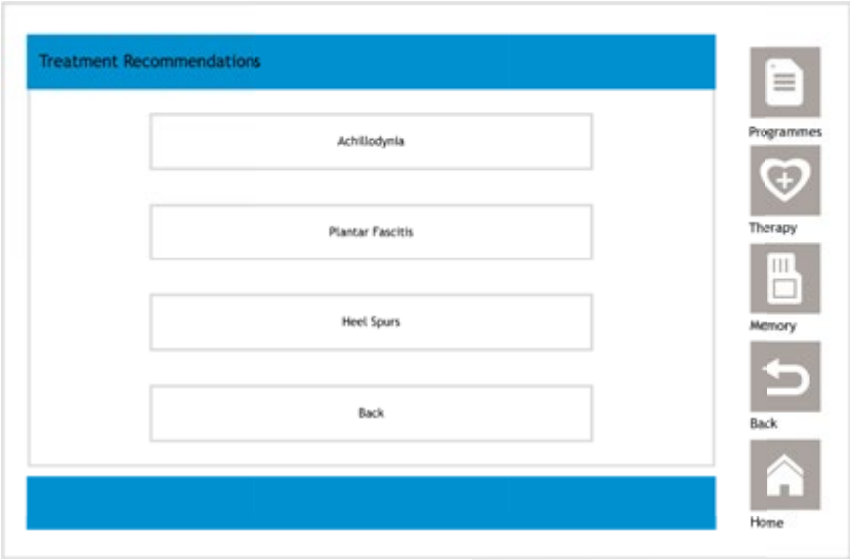
Additionally, an anatomical area may have multiple indications. If multiple indications are listed, up and down scroll icons will appear beneath the image. Scrolling either up or down changes the indication and suggested treatment protocol.

Clicking the Back icon will return the screen to the anatomical view.
Selecting the desired indication will progress the screen to the detailed treatment description screen.

List View



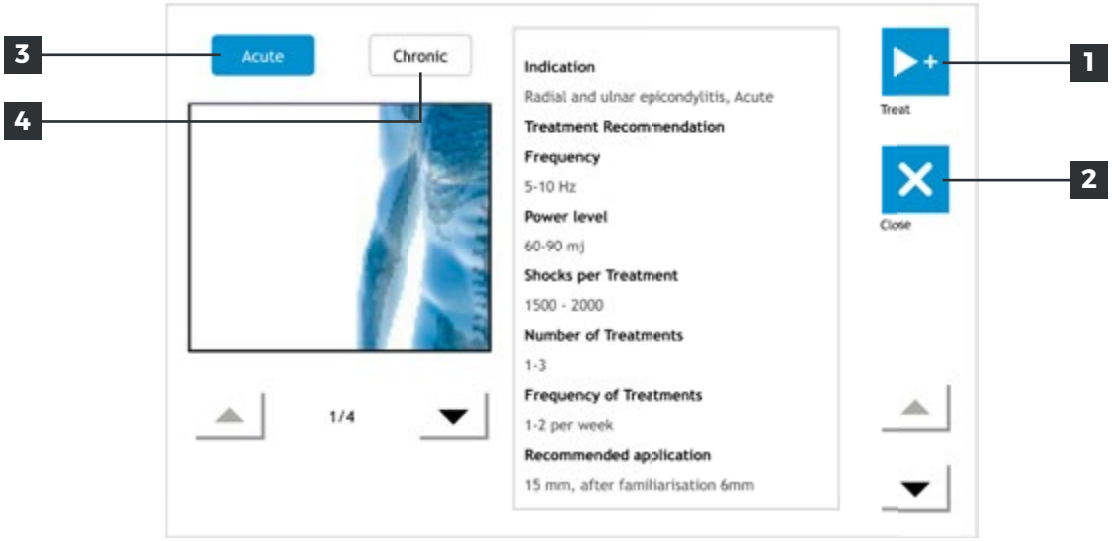
3. "Body parts" icon: clicking this icon returns the screen to the anatomical view.
4. "Page up" icon: clicking this icon scrolls up the list of indications.
5. "Page down" icon: clicking this icon scrolls down the list of indications.
6. "Indication" icon: clicking on the selected indication icon progresses the screen to the detailed treatment description screen.



SYGENX™
Science for an Active Life

Detailed treatment description screen

This screen provides an image of the treatment area and suggested treatment protocol for either acute or chronic conditions.

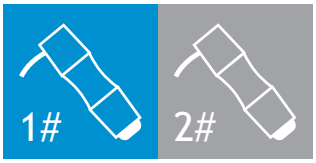


1. "Treat" icon: clicking this icon, the display screen progresses to the treatment screen; frequency and energy setting values will also be transferred to the treatment screen.
2. "Close" icon: clicking this icon closes the screen and returns to the anatomical view screen.
3. "Acute" icon: clicking this icon loads the suggested treatment protocol for the selected acute condition.
4. "Chronic" icon: clicking this icon loads the suggested treatment protocol for the selected acute condition.

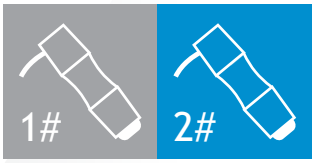
3.3 APPLYING THE TREATMENT

3.3.1 CHOOSING THE HAND PIECE

On the dual hand piece model, the following icons appear:



Selected Hand Piece 1



Selected Hand Piece 2

Select either hand piece one or hand piece two to begin. If a “temp error” indication is noted during treatment, change the selected hand piece to allow the over temperature hand piece to cool down while continuing treatment.

3.3.2 CHOOSING THE APPLICATOR HEAD

Three applicator heads are available 25mm 15mm and 6mm DI (deep impact).
The larger head size is for treatment of superficial muscles such as the plantar fascia, while the 15 mm head is for threating thicker tissues such as tendons. The 6mm DI applicator head is for treating deeper major muscle groups.

3.3.3 OPERATING THE FOOTSWITCH

The hand piece is controlled by the foot switch. When depressing the foot switch, you should hear the hand piece operate in either the continuous, burst or single pulse mode as selected on the treatment screen. If the hand piece does not operate when the footswitch is depressed, check the connection of the foot switch to the controller and also the connection of the hand piece to the controller.

3.3.4 APPLYING PULSES TO THE PATIENT

Begin by applying an ultrasound gel or lotion to the treatment area and make sure a silicone cap is placed over the applicator head of the handpiece. This allows the applicator head to glide across the treatment area while the pulses are being applied. Hold the hand piece firmly against the patient with a small amount of pressure. Depress the foot switch to begin delivery of the pulses. While maintaining pressure, move the hand piece across the treatment area while focusing on the most painful area of the muscle or tendon. The sound being made by the applicator head while applying treatment should be of a deeper pitch than when the hand piece is operated while not in contact with the patient. This deeper pitch indicates that the pulses are being sent into the treated tissues. If you do not hear this change in pitch, press the applicator head more firmly into the treatment area until this change in pitch is noted. Continue the treatment until the desired number of pulses is delivered. During treatment, you should notice a reddening of the treated area indicating increased circulation.

3.3.5 MONITORING THE HAND PIECE TEMPERATURE

While applying the treatment, it is important not to cover the upper end of the hand piece. Operating the hand piece generates heat due to the electro-mechanical design of the projectile accelerating mechanism. This heat is dissipated by an internal cooling fan housed in the upper end of the hand piece.

If the cooling fan is unable to dissipate the heat quickly enough, the hand piece will automatically shut off to allow the hand piece to cool. If this happens, a "Temp error" message will appear on the screen. Once the hand piece cools to an acceptable operating temperature, the status bar will return to "Ready" and the treatment may continue.

3.3.6 TURNING OFF THE SYSTEM

After the treatment, please shutdown the power by pressing the power rocker switch to the "O" off position.

SYGENX™
Science for an Active Life

4.0 GENERAL INFORMATION

4.1 PRECAUTIONS

The manual contains warning symbols to ensure safe and proper use of the device.

1. Prior to treatment and sound to be heard, the patient should thereby be informed of the sensation to be felt during treatment eliminating the patients' concerns and obtaining cooperation.
2. Prior to treatment, inspect the skin of treatment area to ensure hypaesthesia, large scars or other damage is not present. Remove metal items from the treatment area, such as wrist watches, jewelry, etc.
3. Please turn off the power when not in use.
4. The device cannot be used for treatment of the head or neck.
5. For safety reasons, the energy and frequency of the pulses will not reach the maximum at the same time.
6. The product will produce a weak electromagnetic field during use, please keep away from strong magnetic environment.
7. The hand piece and applicator heads have a limited life and must be periodically replaced.
8. To avoid damage to the touch screen, please use the provided stylus. Never use a sharp object.
9. In case of malfunction, do not attempt to repair the device.
10. Please return to the manufacturer for repair or replacement.

4.2 PRODUCT MAINTENANCE

Cleaning

Clean the device by applying 75% alcohol solution to the exterior of the controller, hand piece and therapeutic head covers with a clean cloth. The interior does not require cleaning. Please remember to clean the surface of the treatment caps before the next treatment.

SYGENX™
Science for an Active Life

Coupling agent
Ultrasonic gel is used as a coupling agent to facilitate treatment.

Calibration
The basic operation of the device is by means of touch screen. After long term use, it may be necessary to recalibrate the touch screen.

Service life
The minimum service life of the hand piece is 2,000,000 pulses.
The minimum service life of each therapeutic head is 150,000 pulses.

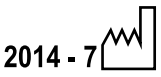
4.3 EMC DECLARATIONS

1. This product requires precautions regarding EMC and needs to be installed and put into service according to the EMC information provided. This unit can be affected by portable and mobile RF communications equipment.
***2.** Do not use a mobile phone or other devices that emit electromagnetic fields near the unit as this may result in incorrect operation of the unit.
***3.** This device has been thoroughly tested and inspected to assure proper performance and operation.
***4.** This device should not be used adjacent to or stacked with other equipment. If adjacent to or stacked use is necessary, this device should be observed to verify normal operation.

WARNING
The use of ACCESSORIES, transducers and cables other than those specified may result in increased EMC EMISSIONS or decreased performance of the RPPT device.

4.4 GRAPHIC SYMBOL DESCRIPTION

Serial number



Manufacturing date


Type B anti-shake


Dampproof


Anti-electromagnetic radiation

Manufacture name and address


Contact its local authorities to dete rmine the proper method of disposal of potentially bio hazardous parts and accessories.


This symbol is used to direct the user to refer to documentation for additional information regarding the system use or description.

CE identification + noticed code

EU representative name

4.5 EXECUTIVE STANDARDS

The product conforms to the following standards and laws:
IEC 60601-1 (2005 Medical electrical equipment — Part 1: General requirements for basic safety and essential performance IEC60601-1-2) 2007 Medical electrical equipment —

Part 1-2: General requirements for safety —
Collateral standard: Electromagnetic compatibility — Requirements and tests

Guidance and Manufacture's Declaration – Electromagnetic Emission		
The RADWAVE RPTD is intended for use in the electromagnetic environment below. The user of RADWAVE RPTD should assure that it is used in such an environment.		
EMISSION TEST	**COMPLIANCE**	**ELECTROMAGNETIC ENVIRONMENT – GUIDANCE**
RF emissions CISPR 11	Group 1	The RADWAVE RPTD uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emission CISPR 11	ClassA	The RADWAVE RPTD is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	ClassA	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies	

SYGENX™
Science for an Active Life

Guidance and manufacture' s declaration – electromagnetic immunity

The RADWAVE RPTD is intended for use in the electromagnetic environment below.
The user of RADWAVE RPTD should assure that it is used in such an environment.

IMMUNITY TEST	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT – GUIDANCE
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete or ceramic tile. If floor are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines ±1kV for input/ output lines	± 2 kV for power supply lines ±1kV for input output lines	Main power quality should be that of a typical commercial or hospital environment
Surge IEC 61000-4-5	± 1kV differential mode ± 2kV common mode	± 1kV differential mode ± 2kV common mode	Main power quality should be that of a typical commercial or hospital environment
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5% UT (>95% dip in UT) for 0.5 cycle 40% UT (60% dip in UT) for 5 cycles 70% UT (30% dip in UT) for 25 cycles 5% UT (>95% dip in UT) for 5 sec	<5% UT (>95% dip in UT) for 0.5 cycle 40% UT (60% dip in UT) for 5 cycles 70% UT (30% dip in UT) for 25 cycles 5% UT (>95% dip in UT) for 5 sec	Main power quality should be that of a typical commercial or hospital environment. If the user of the Radwave RPTD requires continued operation during power mains interruptions, it is recommended that the RADWAVE RPT be powered from an uninterruptible power supply or a battery.
Power frequency (50Hz/60Hz) magnetic field IEC 61000-4-8	3A/m	3A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment

NOTE: U is the a.c. mains voltage prior to application of the test level.

Guidance and manufacture' s declaration – electromagnetic immunity

The RADWAVE RPTD is intended for use in the electromagnetic environment specified below. The user of RADWAVE RPTD should assure that it is used in such an environment.

IMMUNITY TEST	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT – GUIDANCE
Electrostatic discharge (ESD) IEC 61000-4-2	3 Vrms 150 kHz to 80 MHz	3 V	Portableand mobile RF communications equipment should be used no closer to any part of the RADWAVE RPTD, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d=[\frac{3.5}{V_1}]\sqrt{P}$ $d=[\frac{3.5}{E_1}]\sqrt{P}$ 80 MHz to 800 MHz $d=[\frac{7}{E_1}]\sqrt{P}$ 800 MHz to 2.5 GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the re commended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,a should be less than the compliance level in each frequency range.b Interference may occur in the icinity of equipment marked with the following symbol: 
Radiated RF IEC 61000- 4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	

SYGENX™
Science for an Active Life

5.0 TROUBLESHOOTING

1. Fault phenomenon: controller is unable to boot.

SOLUTION

- Check that the power wire has been properly connected and ensure that it is not loose.
- Check that the power switch is in the "I" On position.
- If the device fails to initialize, please replace the power wire with one of the same design.

TIP

After powering on the controller, the logo information will appear on the display screen for at least 5-7 seconds.

2. Fault phenomenon: touchscreen inaccurate.

SOLUTION

Click on the "Touch Calibration" icon on the settings interface, to recalibrate the touch screen.

3. Fault phenomenon: the hand piece does not work.

3.1 If in the treatment interface, the hand piece does not work after depressing the foot switch, then please check the connection of the hand piece and foot switch to the controller.

SOLUTION

The hand piece is not connected, or not securely connected.

5.1 ERROR MESSAGES

WARNING SIGN	MEANING
using contraindication	Indicates the possibility of serious injury.
warning	Indicates the possiblity of serious injury if not used correctly.
attention	Indicates the possibility of damage to the device if not used correctly.

WARNING

- The device cannot be used in conjunction with HF apparatuses as it may cause burns or damage to the device.
- Danger of heart fibrillation increases by applying pulses close to the chest.
- Do not modify this equipment without authorization of the manufacturer
- Do not use the device with 24 hours of any injury to the treatment area.

SYGENX™
Science for an Active Life

6.0 PRODUCT WARRANTY

Firstly, thank you for choosing our products. Please carefully read the following:

RADWAVE Radial Pulse Therapy Device is warranted against manufacturer defects for thirty six months from date of purchase. The device may be repaired of replaced at the discretion of the manufacturer.

This warranty does not extend to defects or failures due to accidents, misuse, abuse or disasters.

Before maintenance or warranty service, please back up your data. The manufacturer does not undertake this responsibility.

Unauthorized repair or dissemble voids this warranty.

The ergonomic hand piece design produces electromagnetic force which drives a projectile by means of coil electric over generator. The minimum service life of the hand piece is 2,000,000 pulses. The minimum service life of the therapeutic heads is 150,000 pulses.
Replacement of the hand piece is pro-rated to usage.

TECHNICAL SPECIFICATIONS	
Technology	Compressor free extracorporeal pulse activation treatment system with electromagnetic generator as projectile accelerator
Power Levels/Energy	60 to 185 mJ (equivalent to 1-5 bar)
Frequency	1-22 Hz
Modes	4 Burst modes (continuous / 4 / 8 / 12 pulses)
Programs	7 preset programs, adjustable
Protocols	More than 25 illustrated preset treatment reccomendations
Controls	Color touch-screen for all software operations
Applicators	6/15/25mm---Minimum warranty of 150,000 pulses
Dimensions	290x240x130mm (L/W/H)
Weight	2.07kg (device only)

ORDERING INFORMATION		
RPT-Hand	HandPiece w/stand	Standard Hand-Piece w/ stand
RPT-25mm	25mm Applicator	25mm Standard Applicator
RPT-15mm	15mm Applicator	15mm Standard Applicator
RPT-6 DI	6mm DI Applicator	6mm Deep Impact Applicator
RPT-Cap	Protective Cap	Protective Cap
RPT-Foot	Foot Controller	Foot Controller
RPT-Case	Travel Case	Custom Transport Case