

CareCellve Mechanic

User's manual



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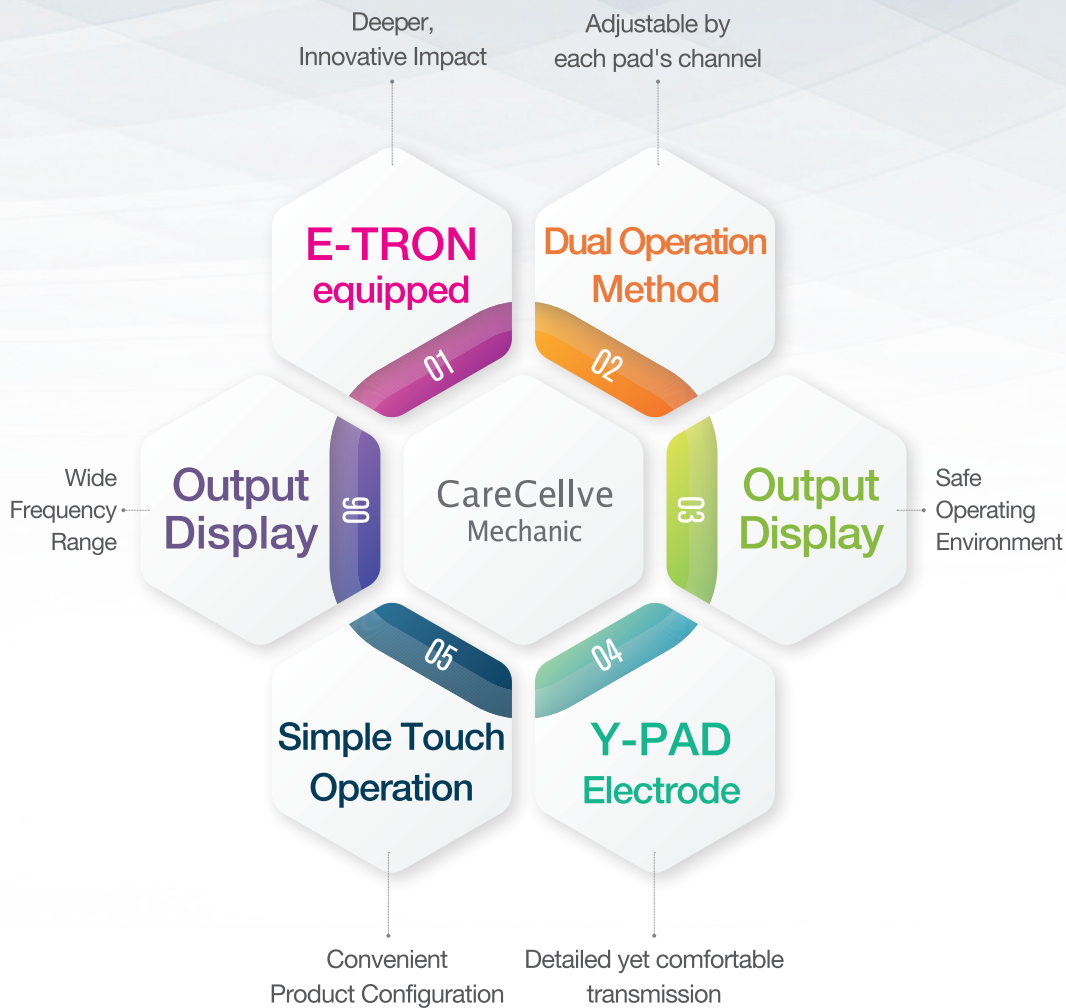
CareCellve
Mechanic

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Ultrasound effect



low frequency Features



Ultrasound

Electrical ultrasonic wave energy is converted to physical energy where deep heat and vibration occur, and that heat energy increases the temperature of human tissue to improve blood circulation and metabolism. It is a deep heat feature that helps improve pain.



EMS

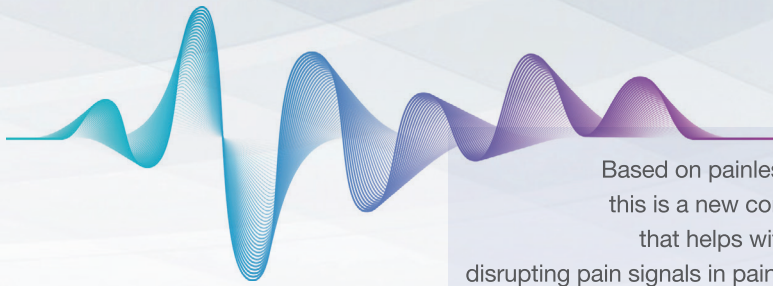
Electrical Muscle Stimulation

It exercises the muscles through electrical waves. EMS is used to improve muscle atrophy due to injury (bone, joint, muscle). Recently, it has been used for training and body shape management through muscle exercising.



* Above is an explanation to help understand each feature.

E-Tron WAVE



Based on painless signal therapy, this is a new concept technology that helps with pain energy by disrupting pain signals in painful areas through electrical transmission of E-Tron waveforms. It helps with acute and chronic pain, sports trauma, and pain for musculoskeletal conditions.



Sensing

What is sensing technology?

If the Mechanic Gel does not come in contact with the ultrasound hand piece, the device stops operating to prevent overheating and burns.

* Refers to CareCellve Mechanic's exclusive technology.



E-Tron WAVE

What is E-Tron WAVE?

CareCellve Mechanic's frequency method developed thanks to its revolutionary technology, electrical pain disturbance signals are generated through electrodes attached to the treatment area, where it improves chronic pain and sports trauma.



CareCellve Mechanic

Ultrasonic + Low Frequency Device

Second-Generation Device



Ultrasound uses high-frequency sound waves (CareCellve Mechanic: 1,200,000 Hz) that cannot be heard by the human ear to promote blood circulation through thermal action and improve pain by acting on sensory nerves. It also helps improve muscle tension and inflammation, and penetrates into the skin along with exercising the muscle to promote metabolism to help improve the skin.

CareCellve Mechanic Low Frequency is In addition to EMS and muscle pain improvement (AUTO), ETRON WAVE which is our exclusive technology, actively impacts the massage area deeper with a sense of stability. ETRON WAVE is an innovative system that improves pain such as chronic pain and sports trauma by transmitting electrical pain disturbance signals through electrodes to the applied area.

Point 1 Ultrasonic + low frequency dual function

- Ultrasound: Hand-piece
- Low Frequency : Gel pad and hand-piece

Point 2 10W and above high power ultrasound for skin care and pain care

Point 3 Ultrasonic transducer [Sensing] Technology and Patent Publication

(Stops operation if ultrasound gel is not within reach → prevents overheating)

Point 4 Three kinds of low frequency

- TENS : Pain Improvement
- EMS : Muscle rehab
- E-Tron : Frequency method created by CareCellve Mechanic's proprietary technology that transmits electrical pain disturbance signal through electrodes attached to used area which improves pain such as chronic pain and sports trauma

Point 5 SYNC Feature : When SYNC is selected, Ultrasonic Hand Piece emits ultrasound and low frequency (TENS) simultaneously.

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Product Accessories



Name of Parts



Product Specifications

Product Name	CareCellve Mechanic
Model Name	IN-5600
Voltage/Hertz	AC 120V / 60Hz
Consumed Power	80W
Dimensions	293(W) X 325(D) X 146(H)mm
Weight	2.6 kg
Ultrasonic Frequency	1.2MHz
Ultrasonic Output Mode	Continuous mode: continuous output Interval mode : on (1 second), off (1 second)

E-TRON



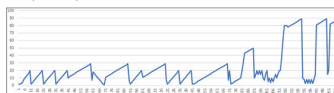
Low Frequency: When output is adjusted, both side's output will switch between low and high simultaneously (Error rate $\pm 20\%$)



Auto



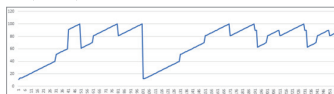
A 1(Auto1) : 1~89Hz



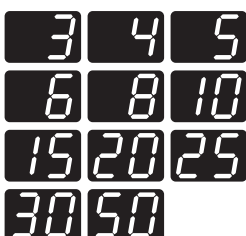
A 2(Auto2) : 2~100Hz



A 3(Auto3) : 11~100Hz

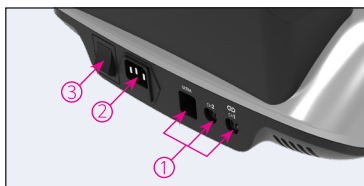


EMS Frequency



3	3Hz 3 sec output / 2 sec pause
4	4Hz 3 sec output / 2 sec pause
5	5Hz 3 sec output / 2 sec pause
6	6Hz 3 sec output / 2 sec pause
8	8Hz 3 sec output / 2 sec pause
10	10Hz 3 sec output / 2 sec pause
15	15Hz 3 sec output / 2 sec pause
20	20Hz 3 sec output / 2 sec pause
25	25Hz 3 sec output / 2 sec pause
30	30Hz 3 sec output / 2 sec pause
50	50Hz 3 sec output / 2 sec pause

How To Use



Preparation for Use

Connect the ultrasonic hand piece and the lowfrequency connector then connect the power cable to the plug, and 1 turn on the switch.



When only ultrasound is used

1. Touch the Up / Down button to set the desired time.
2. Select the desired mode among Interval / Continuous.
3. Touch the Start button to operate.
4. Adjust the output by turning the ultrasonic encoder.
5. Touch the ultrasonic hand piece to the desired treatment area and rub slowly.



When using E-Tron / Auto

1. Touch the Up / Down button to set the desired time.
2. Touch the button to select the desired mode among E-tron / AUTO 1-3.
3. Attach the gel pad to the desired area.
4. Touch the Start button to operate.
5. Press Encoder to select the desired channel [Ch.1 / Ch.2 / Ch. All].
6. Adjust the output appropriately by turning the low frequency encoder.



When using EMS

1. Touch the Up / Down button to set the desired time.
2. Select the desired frequency from 3 to 50 by pressing the EMS button.
3. Attach the gel pad to the desired area.
4. Touch the Start button to operate.
5. Press Encoder to select the desired channel [Ch.1 / Ch.2 / Ch.All]
6. Adjust the low frequency encoder to the appropriate output level.



When using Sync function

1. Touch the Up / Down button to set the desired time.
2. Touch the SYNC button to activate it.
(At this time, the low frequency automatically becomes AUTO mode.)
3. Select the desired mode among Interval / Continuous ultrasound.
4. Attach the gel pad (ch.1) to the desired area.
5. Touch the Start button to operate.
6. Adjust the output appropriately by turning the ultrasonic encoder and low frequency encoder.
7. Slowly apply the ultrasonic hand piece to the desired area.
(At this time, be careful that the output of the low frequency is not too high.)

Caution



Warning

Do not disassemble this device. Failure to follow this warning could result in injury or death.

- ❗ When using this device, be sure to use it according to the user manual and precautions.
- ❗ Do not touch the connection cord while using this device in order to avoid any injuries or death.
- ❗ Do not open the cover of this device.
- ❗ If you unscrew the case, it may damage any sensitive circuits.
- ❗ If there is any abnormality of the device during use, stop use immediately and contact the place of purchase.
- ❗ If excessive pain is felt during use, stop use immediately.



Caution

- ❗ Do not apply excessive force to the electrical connectors of this device.
- ❗ Ultrasonic disinfection, steam disinfection, infrared disinfection, and dry sterilization of this device can cause serious failure.
- ❗ Even when not in use temporarily, be sure to press the stop button to stop the device.
- ❗ Do not use this device in conjunction with other devices.
- ❗ Keep rolling the head of the hand piece without stopping (may cause burns if motion is idle).
- ❗ Maintain the operating environment's temperature (41°F ~ 95°F)
- ❗ Do not use where there are rapid changes in temperature or humidity, and keep away from direct sunlight.

CareCelle Mechanic



Caution

Precautions for Use

- ✔ Sync function is available only in Auto mode.
- ✔ The Sync function applies only to the Ch.1 low-frequency gel pad.
- ✔ E-Tron cannot be used together with the ultrasound function.
- ✔ During ultrasonic operation, if Mechanic Gel is insufficient in the treatment area, ultrasonic output is stopped. Light in ultrasonic mode blinks(Sensing technology).
- ✔ Sensing Technology is a feature designed to prevent overheating, where if the ultrasonic gel is not detected for 10 seconds, the output level is lowered to zero with an accompanying beep sound. Upon rotating the ultrasonic encoder, the device is available for use(power timer remains active).
- ✔ The output of all functions can be adjusted by turning the encoder of the function after touching Start. If you do not touch the Start button, there is no output even if you turn the encoder on.
- ✔ Maximum timer is 60 minutes.
- ✔ Do not use more than 60 minutes daily.
- ✔ Recommended use time for one session of ultrasound: up to 30 minutes
- ✔ Factory setting is 30 minutes for timer.
- ✔ When using ultrasound and low frequency, start with level 1, check the intensity for about 15 seconds, and if there is no problem, increase to the next level.

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Mechanic

WARRANTY

Product name	CareCellve Mechanic	Model name	IN-5600	S/N	
Place of Purchase	Name of Business			TEL.	
	Address				
Consumer Information	Name			TEL.	
	Address				
Date of Purchase					
Manufacturer	YOUNG-IN biotech Co.,Ltd.				

- ▣ This warranty is valid for 1 year.
- ▣ This warranty card guarantees excellent quality goods with a thorough inspection.
- ▣ In the case of damage caused by the repair by an unauthorized person, even during the warranty period, you will receive a fee-based service.
- ▣ When requesting a repair, you need this certificate. store it well.
- ▣ The warranty is usually available as described on the warranty card.
- ▣ Contact the place of purchase when in need of repair or troubleshooting.
- ▣ This warranty card will not be reissued.



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