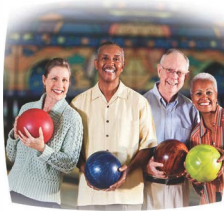


JUVENT[®] Health

BETTER EVERYDAY

OWNER'S MANUAL



JUVENT'S MICRO-IMPACT PLATFORM[®]

Gentle and effective health and
mobility enhancement

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Welcome

Congratulations on your choice of the Juvent 1000N Micro-Impact Platform® (MIP). You have taken an essential step toward better health. The Juvent utilizes a safe, multi-patented, scientifically established technology that gently and naturally improves muscle strength, function, circulation, and skeletal health. This patented technology is the product of over 25 years of basic and clinical research supported by more than 50 published scientific papers.

Juvent's Micro-Impact Platform has been described as a Vitamin of Exercise™, providing an essential component for robust musculoskeletal health. As with other vitamins, regular usage helps the body to function and heal naturally. Simply standing on the unit for as little as 10-20 minutes three times per week can deliver results. Many users enjoy talking on the phone, reading, or watching TV during uses, so it becomes part of their weekly routine. Like most exercises, the greatest benefits are seen after 3 to 6+ weeks of regular use. Studies using the Juvent 1000N show the importance of regular, long-term use. We also encourage you to start slowly, 3-5 minute sessions for the first few sessions, allowing your body to accommodate this new activity.

For optimal musculoskeletal health, we encourage physician supervision, endocrine testing and management, proper diet, sleep, cardiovascular exercise, and a high-quality bone-specific nutritional supplement.

The Juvent Team is committed to sound science and outcomes. We are very proud that our patented Micro-Impact technology is used at many of the world's leading medical and research centers. We continue to promote and support ground-breaking studies in skeletal health and regenerative medicine.

Be sure to get your family and friends involved. They will benefit from the Juvent as much as you, and it is always a good reason to get together.

Visit our web site www.juvent.com for more information, and we encourage comments and suggestions. Like and follow us on Facebook and Twitter. We also love to hear your amazing success stories that inspire us all.

Feel better everyday with Juvent.

Rush E. Simonson
Chairman and Chief Executive Officer

Peter M. Simonson
Board Member and President

Indications for Use

The Juvent 1000N Micro-Impact Platform® is indicated for maintaining and/or enhancing muscle strength, function and postural stability. Juvent's 25-year research and clinical history has shown that the technology:

- Restores dynamic action of the calf muscle fibers
- Strengthens & increases muscle mass
- Stimulates blood & lymphatic flow
- Improves balance, postural reflexes and coordination

Disclaimer and Important Information

In the US, this device is considered investigational for the treatment of osteoporosis or improvement/maintenance of bone mineral density and our claims have not been reviewed or cleared by the FDA to treat any disease or condition. The JUVENT® Micro-Impact Platform® is registered with the FDA as a Class I medical device for exercise and rehabilitation. JUVENT products are covered by the following issued patents, pending patents and their foreign equivalents: 6,843,776 6,884,2277,094211 7,207,954 7,207,955 7,985,191 8,114,036 11/369,611 11/486,538.

Medical Device Precautions

There have been no reports of serious adverse effects with the use of the Juvent 1000N Micro-Impact Platform® to date. This includes thousands of uses in children, adolescents, and adult women and men.

The use of the Juvent 1000N Micro-Impact Platform® has not been evaluated by users with the conditions below and they should consult their physician before using this medical device:

- Pregnancy (*never use if you know or suspect you are pregnant*)
- Past history of deep vein thrombosis and/or pulmonary embolism
- Extreme sensitivity to motion sickness

Post-Surgery - It is recommended that users wait 2 to 5 weeks post-surgery before using the Juvent Micro-Impact Platform, unless otherwise instructed by their physician.

Tip: Some people who engage in very little physical exercise or activity may initially feel tired after their early usages. If this occurs you may wish to start with a shorter usage time (for example, two minutes or five minutes) and/ or rest a day in-between usages. You can gradually increase the time you use the device over several weeks.

Usage Log

Usage	Date	Minutes	Comments
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			

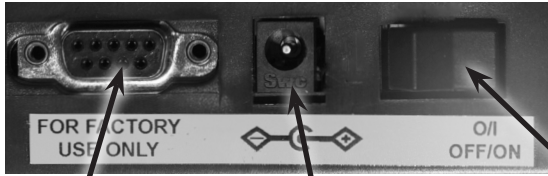
Note: It is likely that your body will need a conditioning period of two to three weeks when you start using your device.

Photocopy for additional sheets.

Device Description

Juvent 1000N Micro-Impact Platform®

Connection Panel



Data Port*
*for Juvent use only.

Power Connector

On/Off Switch
Shown in "on" Position

Status LED
Power LED

Information Display
- Total Usage #
- Calibration Time
- Time Left



Therapeutic Platform Panel

Medical Device Description

The Juvent 1000N Micro-Impact Platform® is a safe and easy-to-use, precision-manufactured medical device that delivers 20-minute* usages in the comfort of your home. The Juvent does not use any motors, cams, or eccentric weights. The Platform uses a patented single spring, actuator-driven, four-point suspension system that stabilizes the action of the Platform, assuring that you will receive a precise vertical, micro-impact™ usages standing anywhere on the Platform.

These unique features, combined with our patented software, allows the Juvent to be in mechanical resonance with the user's body by adjusting the frequency of the impacts to your body's composition. This is the secret to the efficiency that results in a gentle therapy that requires little power to operate (less than 10 watts) but still produces a healthy physiological response.

The Juvent platform metal parts are made of "aircraft grade" aluminum. The top surface is covered by a non-slip mat for safety and comfort. The housing is a two-piece flame-resistant, ABS plastic with a built-in handle for easy transport. The rigid aluminum plates, precision mechanism, and rugged housing are designed for many years of dependable service.

When you stand on the surface of your Juvent in stocking feet, a vertical pulsation with a displacement of just 0.057mm (the width of two human hairs) is applied to the bottom of your feet. The amplitude, enough for you to feel the pulses, is delivered at a modified sinusoidal frequency between 32-37 Hz with 0.30g(+/-20%) of acceleration. The Juvent 1000N uses a microprocessor, a high-resolution accelerometer, and an automatic gain control system to ensure that the safe and effective signal is consistently delivered to the user.

The Juvent 1000N device is a manufactured declared Class I physical medicine therapeutic device (FDA regulation: 21 CFR 890.5380); and Regenerative Technologies Corporation (dba Juvent) is registered with the FDA as a Medical Device Establishment.

* Clinical units operate on a 10-minute cycle.

Instructions for Use and Safe Operation

- There are no user serviceable parts in the Juvent Platform. If a problem arises, see the troubleshooting section.
- If the Juvent fails to work, refer to the troubleshooting guide on page 18. If the device still fails to work, contact your local Juvent dealer or factory.
- Do not attempt to repair the device. It will void your warranty.
- The Juvent 1000N is an electromagnetic device which could interfere with or be interfered with by other electromagnetic devices. If interference occurs or the Juvent interferes with other devices, relocate the Juvent platform.
- To completely isolate the Juvent 1000N from power, unplug the device from the wall receptacle. The power cord on the external power supply is regarded as the disconnect source.
- To prevent damage to the Juvent, use a UL approved surge protector and unplug the device during lightning storms.
- Unplug the Juvent when unused for long periods of time.
- Cleaning instructions: Disconnect the device from the outlet and clean with a soft cloth dampened with water. A mild soap can be used if necessary.
- Be careful not to drop the device.
- Do not place the device in water or operate in a wet environment, e.g., a shower stall, open porch, etc. Do not stand or use the device while wet.
- Do not let objects or liquids enter the device.
- Keep the device away from radiators and any direct heat sources.
- Do not drop any heavy objects onto the device.
- Do not jump on the Juvent platform, but you may stretch and exercise.
- Only use the supplied, approved medical grade Juvent power adapter, Juvent part number #J200079.
- The Juvent 1000N is a medical device which may require special precautions regarding electromagnetic compatibility (EMC), and must be installed and put into service according to the EMC information provided.
- The use of accessories, transducers or cables other than those specified and sold by Juvent as replacement parts for internal components, may result in increased emissions.

System Specifications

System Weight

22 lbs (9.97 Kg)

System Dimensions

Height 3.75 in (9.53 cm)
Width 21.1 in (53.6 cm)
Depth 23.7 in (60.2 cm)

Power Supply

Input power 100-240 volts ac 50-60 Hz
Power supply output voltage 15 volts DC
Power consumption less than 10 watts

Environmental Temperature

Operating 41° F to 100° F (10° C to 38° C)
Storage 32° F to 118° F (0° C to 45° C)
Relative humidity 10% to 90% (non-condensing)
Atmospheric pressure range 500 hPa to 1060 hPa

Medical Device Materials

Displacement platform module Aircraft Grade Aluminum
Housing module ABS plastic, flame-retardant
Mat Biocompatible TPE

Signal Parameters

Displacement frequency 32-37 Hz - +/- 2%
Acceleration "g" force 0.3 g (amplitude) (+/-20%)
Vertical displacement ~57 µm (0.057 mm)
Usage time 10-20 minutes daily
Duty cycle Continuous

System Load

Normal operating load >35 lbs to 275 lbs
(>15.8 Kg to 125 Kg)
Maximum operating load 275 lbs (125 Kg)
Maximum limit, non-operating 310 lbs (140 Kg)

Transporting the Juvent 1000N



The Juvent 1000N Micro-Impact Platform® weighs only 22 lbs. and sized for easy portability. The Platform's base, which is enclosed by a two piece plastic housing module, contains a built-in handle recess for easy transport. Remove power cord before lifting platform.

Be sure to save the shipping box for later use to transport longer distances or to re-ship.

Setup Instructions

Remove device from box and the protective bag. Check to make sure the contents are as pictured -



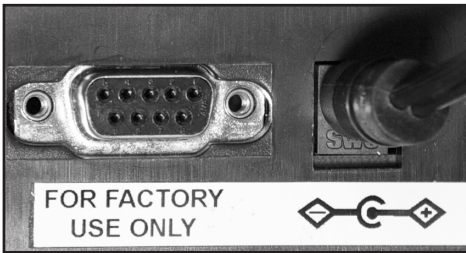
- 1 Juvent 1000N Micro-Impact Platform®
- 1 Instruction Manual
- 1 power supply cord
- 1 medical grade power adapter with green LED indicator
- 2 pair of Juvent socks (9-11 & 10-13)



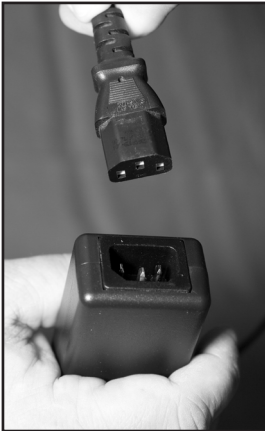
For optimal performance, use on a flat, hard, level surface. Avoid deep pile carpeting and uneven flooring.



Setup Instructions (Cont.)



1. To power the unit, plug the small end of the power adapter into the connection pane



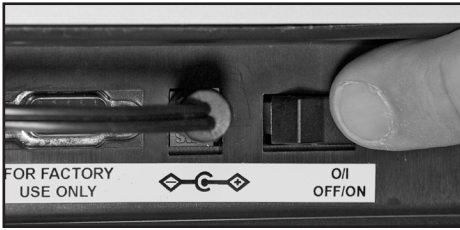
2. Insert power supply plug into the matching receptacle on the medical grade power adapter as shown.



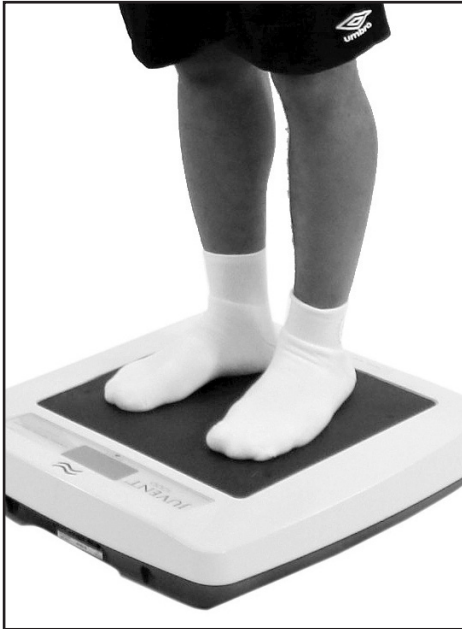
3. Plug your surge protector (provided) into a grounded 110 VAC outlet, most models will have a green LED telling you it's grounded and then plug the Juvent power cord into the surge protector. Your Juvent is an electrically sensitive, computer controlled device that requires lightning and surge suppression. Failure to use surge suppression may void your warranty.

NOTE: Periodically ensure that all electrical connections are properly in place. Unplug your Juvent during lightning storms or extended periods of non-use.

Operating Instructions



1. Facing the front of the device, turn the main on/off switch that is located at the base of the Juvent 1000N on the right side, to the "on" position. Standby indicator will light



2. Step onto your Juvent in stocking feet and place feet firmly against the Platform. Stand up straight and relax without bending your knees.

3. Effective usage will be delivered when feet are in close contact with the Platform, **therefore do not wear footwear. Thin socks are best.**



4. Your Juvent will emit three slow beeps.

Operating Instructions (Cont.)



5. The Juvent 1000N Platform performs a four-second self-test to make sure that everything is working properly.

6. When you stand on the platform, a 12-second calibration cycle occurs to determine your unique body's composition and then automatically adjusts to your optimal frequency within the range of 32Hz - 37Hz.

NOTE: The device will vibrate during the self-test and calibration period.

7. During the 12-second calibration, the LCD indicator displays the total number of uses that you have completed to date. At the end of the 12 seconds, the operation begins.

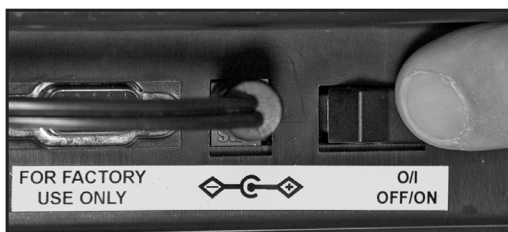
Note: During the 12-second calibration, it is very important to maintain a natural posture and remain still (do not shift weight or bend knees).

8. Once operation begins, you will feel a pulsating sensation from your feet and up through your body - to the top of your head. The usage duration is continuously monitored and the remaining usage time is displayed on the LCD display. For best results, stand in an upright, **relaxed stance without bending your knees**

9. At the end of the 10 to 20 minute usage, the Juvent will automatically shut off.

Interruption of a Usage Period

- It is recommended that each usage period be a continuous, uninterrupted 10 - 20 minute period. However, if for some reason you must attend to something for a short time, (e.g., answer a telephone or a doorbell), simply step off the Platform and the device will beep once and go into a pause mode for five minutes. (Clinical units reset immediately)
- It is understandable that some people with joint pain cannot stand for 20 minutes straight. Than just use it 5-10 minutes each day, as tolerated, and slowly work up to 20 minutes.
- There is no limit to the number of times you can pause in a usage period.
- When you return within five minutes, the usage will resume.
- If you do not return within five minutes, the device resets.



10. When the device will not be used for an extended period of time, turn the main on/off switch to the "off" position.








Note: Unplug the Juvent if it is not going to be used over a long period of time.

IMPORTANT -

DO NOT "KICK" OR JERK THE PLUG/CORD OUT OF THE UNIT.

IT WILL RESULT IN DAMAGE THAT WILL NOT BE COVERED BY YOUR WARRANTY.

Symbols Used in the Operation of the Juvent Platform

SYMBOL	NAME	DESCRIPTION
	Standby	Power has been turned on. Juvent is in standby mode, and will begin uses when user steps on the Platform.
	Calibration	Juvent is calibrating system parameters to the user.
	Pause	Juvent is in pause mode.
	Attention	Alerts user to refer to the manual. Attention Icon will display with another icon.
	Malfunction	Juvent has sensed a malfunction. Flashes in conjunction with Attention symbol.
	Battery	Juvent has a low battery. Battery needs to be recharged (not operational at present time).
	Uses	Number of uses you have completed to date.

Troubleshooting

1. If the Juvent Platform will not turn on, double check the power supply to be sure it is connected correctly and the green LED light is on.
2. If there is a device malfunction, there will be a series of three rapid beeps for eight seconds.
3. If the Juvent Platform fails to work, get off the Platform and turn the main switch "off."
4. Wait a few seconds and turn it "on" again.
5. If the device still fails to operate properly, refer to troubleshooting section below.







Symptom	Suggested Solution
Unit does not operate. Front-panel STANDBY LED  (green) is not lit and unit fails to start when user stands on the Platform.	Make sure that the power supply included with the unit is plugged into a functioning electrical outlet, and that the front-mounted power switch on the unit is ON. Plug in power supply back of unit.
Green STANDBY LED  is lit but unit fails to start and indicates error code.	Ensure that unit is not on deep carpet or a steeply tilted surface. Move to a hard flat surface.
During the first 12 seconds, the green STANDBY LED  is lit, but unit stops and displays an error code.	There is an internal error. Please call Juvent customer service for additional help. Hot-line: 877.758.8368
Unit stops and beeps, timer display freezes, PAUSE icon lights,  and blue light bar flashes when user steps off Platform.	This is normal; unit enters PAUSE mode and remains paused for up to five minutes when user steps off the platform while unit is running. After five minutes, unit automatically shuts off.
Frequency and amplitude (intensity) of vibration vary during first 12 seconds of new use.	This is normal; the unit is searching for the optimum frequency for the user's body characteristics. After 12 seconds, it will settle on a single frequency.
After the first 12 seconds, the green STANDBY LED  is lit, but unit stops treating, beeps quickly (three beeps/second), and displays an error code.	There is too much weight on the top Platform or an internal error.
The unit makes a mechanical noise or rattle when user steps off the Platform while it is running.	This is normal; the system's automatic gain control will try to adjust the Micro-Impact Therapy when user steps off of it, causing a 1-2 second vibration.
5500 code lights up.  ?	Error code. Floor may be too soft or uneven. Move to a hard, flat surface. If the device still does not operate properly, please contact your local Juvent distributor.

TABLE 201

Guidance and Manufacturer's Declaration - Emissions All Equipment and Systems

Guidance and Manufacturer's Declaration - Emissions

The Juvent 1000N is intended for use in the electromagnetic environment specified below. The user of the Juvent 1000N should ensure that it is used in such an environment.

Emissions Test	Compliance	Suggested Solution
RF Emissions CISPR 11	Group 1	The Juvent 1000N 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 equipments.
RF Emissions CISPR 11	Class A or B	Class A with GLOBTEK/Mean Well Power supply and Class B with Phi Hong Power supply.
Harmonics IEC 61000-3-2	Class A,B,C,D or N/A	Class A
Flicker IEC 61000-3-3	Complies or N/A	The Juvent 1000N is suitable for use in all establishments, including domestic, and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.

TABLE 202

Guidance and Manufacturer's Declaration - Immunity All Equipment and Systems

Guidance and Manufacturer's Declaration - Immunity

The Juvent 1000N is intended for use in the electromagnetic environment specified below. The user of the Juvent 1000N should ensure that it is used in such an environment

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
ESD IEC 61000-4-2	±6kV Contact ±8kV Air	±6kV Contact ±8kV Air	Floors should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30%.
EFT IEC 61000-4-4	±2kV Mains ±1kV I/Os ± ±	±2kV Mains ±1kV I/Os Only with Phi Hong Power Supply	Main power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	1kV Differential 2kV Common	1kV Differential 2kV Common	Main power quality should be that of a typical commercial or hospital environment.
Voltage Dips/Dropouts IEC 61000-4-11	>95% Dip for 0.5 Cycle 60% Dip for 5 Cycles 30% Dip for 25 Cycles >95% Dip for 5 Seconds	>95% Dip for 0.5 Cycle 60% dip for 5 Cycles 30% Dip for 25 Cycles >95% Dip for 5 Seconds, See test data report No. 3074426-EMC.	Main power quality should be that of a typical commercial or hospital environment. If the user of the Juvent 1000N requires continued operation during power main interruptions, it is recommended that the Juvent 1000N be powered from an uninterruptible power supply or battery.
Power Frequency 50/60Hz Magnetic Field IEC 61000-4-8	3A/m	3A/m	Power frequency magnetic fields should be that of a typical commercial or hospital environment.

TABLE 204

Guidance and Manufacturer's Declaration - Emissions Equipment and Systems that are NOT life-supporting

Guidance and Manufacturer's Declaration - Emissions

The Juvent 1000N is intended for use in the electromagnetic environment specified below. The user of the Juvent 1000N should ensure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level
Conducted RF IEC 61000-4-6	3Vrms 150 KHz to 80 MHz	(V1) 3Vrms
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	(E1) 3V/m

Electromagnetic Environment - Guidance

Portable and mobile communications equipment should be separated from the Juvent 1000N by no less than the distances calculated/listed below:

$$D=(3.5/V1)(\text{Sqrt } P)$$

$$D=(3.5/E1)(\text{Sqrt } P)$$

80 to 800 MHz

$$D=(7/E1)(\text{Sqrt } P)$$

800 MHz to

2.5 GHz

P is the maximum power in watts and D is the recommended separation distance in meters.

Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V1 and E1).

Interference may occur in the vicinity of equipment containing a transmitter.

TABLE 206

Recommended Separation Distances Between Portable and Mobile RF Communications Equipment and the Juvent 1000N Equipment and Systems that are NOT Life-supporting

Recommended Separation Distances for the Juvent 1000N

The Juvent 1000N is intended for use in electromagnetic environment in which radiated disturbances are controlled. The user of the Juvent 1000N can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF Communications Equipment and the Juvent 1000N as recommended below, according to the maximum output of the communications equipment.

Maximum Output Power (Watts)	Separation (m) 150kHz to 80MHz $D=(3.5/\sqrt{P})$	Separation (m) 80 to 800 MHz $D=(3.5/\sqrt{E1})$	Separation (m) 800MHz to 2.5GHz $D=(7/\sqrt{E1})$
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.74
1	1.17	1.17	2.33
10	3.70	3.70	7.37
100	11.7	11.7	23.3

Environmental Conditions That Affect Use

WARNING!


The Juvent 1000N Micro-Impact Platform is a line operated electrical medical device. Do not use the Juvent 1000N in or near water. Doing so can cause injury and/or death. When not in use, the device should be stored in a dry environment. The Juvent 1000N is an electromagnetic medical device which could interfere with or be interfered with by other electromagnetic devices. If the Juvent 1000 is subject to interference or interferes with other equipment, relocate the device.

Electrical Requirements



Medical Device
Type B applied part.
Power Input: 15 VDC 1.2A
Type of Current: DC

Medical Grade Power Adapter (*Juvent part number J200079*)

Input power	100-240 volts AC
Power supply output voltage	15 volts DC
Power consumption	less than 10 watts
Power supply operating range	50-60 Hz
Power supply polarity	

Disposing of the Medical Device

The Juvent 1000N Micro-Impact Platform® contains electronic equipment that could have a potential effect on the environment if not disposed of properly. When disposing of the Juvent 1000N becomes necessary, the medical device must not be disposed with domestic waste. Please contact your local Juvent dealer for information on recycling the device properly.

