

GUIDE TO USING YOUR **BIOTRANSDUCER® PRO**





BIOTRANSDUCER®

TECHNOLOGY

FOR

TENNANT

BIOMODULATOR®

BioTransducer® technology is a new approach to health care for the 21st Century. The BioTransducer® is powered by your Tennant BioModulator®. It provides therapy that addresses the underlying cause of pain and inflammation without drugs or invasive medical procedures. The BioTransducer® is not a laser.

The BioTransducer® can be used through clothing allowing the BioModulator® therapies to be delivered anywhere on the body without the need of direct skin contact.



BIOTRANSDUCER® THERAPY

BioTransducer® Technology provides no-touch, painless therapy. The Tennant BioModulator® transmits frequencies and voltage that the BioTransducer® delivers on a carrier wave into the tissue, through skin and bone. Using the BioTransducer® to deliver the frequencies and voltage speeds up therapy time. A therapy that would have been 30 minutes with the BioModulator® can now be reduced to 10 minutes by using the BioTransducer®.

SPECIAL NOTES

Some users experience a subtle tingle or sensation of warmth from the BioTransducer®. Most people don't feel any sensations when using the BioTransducer®.

You may feel initial apprehension about providing therapy to yourself or others. When you carefully follow the instructions and directions, there's no need to be concerned. The devices and therapy steps were created with the knowledge that application will be general and does not have to be precisely aligned with any given point of area. Even if you are providing the therapy to a different area than intended, it is not harmful and, in most cases, will still benefit you.

SETTING UP YOUR BT® PRO

Connect the USB cord to your BioTransducer® Pro and the A/C adaptor to charge it

- It usually takes 6 - 8 hours to charge to full capacity and therefore should be charged overnight.
- Go ahead and charge it up overnight the first day, so you know you are starting with a full charge.
- When you plug in the charging cord, and your BioTransducer Pro is charging, you will see a small red light next to the charging cord, to indicate it is charging.
- When charging is complete the light will turn green. If the light is still red after charging it all night, it may need a few more hours. There have been a few that took 15 - 20 hours to get the green light.
- One charge lasts approximately 8 hours of therapy time, so after about 7 hours of use, go ahead and charge it up overnight.
- It is best to treat your BioTransducer Pro like a cell phone, don't run the battery completely down.
- Only use the USB charging cord that came with your BioTransducer Pro. An iPhone cord will not work!

PLEASE NOTE: Prior to using your BioTransducer® Pro for therapy, you must balance the polarity of your body. Refer to pg. 2 of the *Daily Protocol Guide* for instructions on balancing polarity.

Doing the "Daily Protocol" is recommended

INSTRUCTIONS FOR USE

1. Connect the BioTransducer® to the Tennant BioModulator® with the connection wire.
Use care when plugging the wire into the port on the BioModulator®. You can cause damage to your BioModulator® if it is knocked or bumped when plugged in. It is very important to remove the plug when not in use.
2. Turn on your BioModulator® (Pro or Plus).
3. Set the mode:
 - **For BioModulator® Plus:**
 - **TEN-8** for pain and inflammation related to muscle, bone, ligament and tendons.
 - **INFINITY** for all other issues related to organs and general health.
 - **INFINITY** for eye treatment.
 - **For BioModulator® Pro:**
 - Set the mode of your choice based on what you want to work on. Refer to the handout which, lists the modes you have to choose from at the end of this document.
 - **VA-STEP** for eye treatment.
4. Adjust the power by pressing the + and - buttons. Since there is no skin contact you may increase the power as high as you want when using it on the body.
When using it on the eyes set the power as is indicated in the eye treatment section (pg 7).
5. Point the BioTransducer® at the area of concern, holding it between 1-2 inches away from the skin and point at the pain point.
6. As a general guideline, therapy times are flexible just as they are when using the BioModulator® alone.

For example :

- a) 5 – 15 minutes for minor issues and for general use.
- b) Longer for more serious conditions.

*When treating an injury it is important to start treatment immediately.
Immediate treatments have shown a significant difference in recovery time for clients.*

INTERNAL LITHIUM BATTERY CARE

All lithium batteries create heat, so it will be normal to feel some heat from the battery compartment. The BioTransducer® Pro was specifically designed to cut down on length of therapy time, with the average time being 5-15 minutes.

With that said, you may choose to have longer therapy times (30-40 minutes). If you feel your battery compartment growing warm, we recommend turning the BioTransducer® off for 5-10 minutes, allowing it to cool down, then restart your therapy. When a lithium battery is continuously used when hot, the battery life is compromised.

Knowing how to care for your lithium batteries will ensure the longevity and health of the batteries. Follow these guidelines, and you will easily get 500 charge/discharge battery lifecycles:

- Keep batteries at room temperature (70-75° F or 20-25° C).
Never leave outside to charge, especially if it is hot — heat will destroy the battery life.
- Do not let the battery go completely dead. Charge it overnight after about 7 hours of use.
- Do not use your BioTransducer® Pro overnight while you are sleeping.

TRAVELING WITH YOUR BIOTRANSDUCER® PRO

Prior to boarding a plane, please follow these guidelines for your BioTransducer® Pro:

- Must be in your carry-on luggage, as you cannot check bags that contain lithium batteries. *TSA requires lithium-containing items (such as cell phones, laptops, portable rechargers, and your BioTransducer®) to be kept with the passenger at all times.*



EYE THERAPY

TREATING EYES WITH THE BIOTRANSDUCER® PRO

SETTINGS:



FOR PRO

Set Mode to
VA-Step.
Set Power to
250.

OR



FOR PLUS

Set Mode to
Infinity.
Set Power to
solid **orange** dot.



POSITION:

Hold the BioTransducer® Pro at the temple, shining the light through the side of the eye



DURATION:

Treat **the weaker side** for **7 minutes.**

*BT Pro only requires treating one side, but you may treat both if you desire.
Only treat eyes for a maximum of 10 minutes twice a day.*

THE HISTORY OF SCALAR ENERGY

There are two types of energy on the planet: scalar and electromagnetic.

The Tennant BioTransducer® emits scalar energy.

The Tennant BioModulator® emits electromagnetic energy.

In 1873, James Clerk Maxwell, a Scottish scientist in the field of mathematical physics, was the first to describe scalar (subtle) energy and the distinctions between scalar and electromagnetic energies. His most notable achievement was formulating the classical theory of electromagnetic radiation, which, for the first time, brought together electricity, magnetism, and light as manifestations of the same phenomenon. Maxwell's equations for electromagnetism have been called the "second great unifications in physics" only after Sir Isaac Newton's realizations. His contributions to science are considered to be of the same magnitude as those of Newton and Albert Einstein.

In 1884, Oliver Heaviside simplified Maxwell's complex set of equations, reducing them down to the four differential equations now taught today as Maxwell's Equations. However, these newly revamped equations left out the complexities of Maxwell's theory of subtle energy and the connection between light and electromagnetism. Now, modern physics continues to only teach Heaviside's version, thus excluding the subtle energy because it is difficult to measure, even though the theory has been proven correct.

Modern science and medicine will continue to deny subtle energy until someone invents a device that can easily measure it, just as scientists believed the world was flat until Magellan sailed around the world.

Ibrahim Karim, PhD., an Egyptian archaeologist and expert in ancient Egyptian physics, developed a device that detects and responds to scalar energy. Thus, we can use it to show that the BioTransducer® emits scalar energy.

There is an argument about the difference between scalar and electromagnetic energies. Most believe that magnet and sound are forms of scalar energy. Scalar is also believed to travel into anything that is alive (Golden Mean) or anything that is a Platonic Solid (sphere, cube, pyramid, etc.).

Dr. Tennant believes that scalar energy is actually very low frequencies of the electromagnetic spectrum. For example, it takes 1.67 minutes for 0.01 Hz to make one wave. Thus, most measuring devices would either say that it isn't moving at all or that it's moving sideways instead of forward.

Tennant BioModulator Pro - Modes

Mode Name / Frequency	Features – Types of things the program can help with
Assess (R) 60 Hz	Measurement – used to measure the BioTerminal points and other areas of the body, gives a (voltage reaction) reading. This is used with the electrode on the back of the device, placed firmly on skin.
Ten-8™ (R) 24 - 30 Hz	Pain & Injuries of Muscle, Tissue, Bone and Inflammation. - Used with BioTransducer or any electrodes
Infinity™ 29 -121 Hz	Organs and Overall General Health - *Use this when you don't know what program to use.
Automatic (R) 29 - 121 Hz	Access (Measurement) + 1 Minute Therapy (Infinity Mode) This is helpful when you are measuring yourself and want to see if you can improve low areas with a quick 1 minute therapy of Infinity. Use with electrode on back of device.
SCR 147 (R) 147 Hz	Scars - This program is used to work on scars where energy blockage can be found, for the purpose of good energy flow through scar tissue. Use with BioTransducer and soreness oil
BioTerminal® Step (BT Step) 8 -35 Hz	This program will do all the BioTerminal points for 30 seconds each, and repeats. Use with footplates and hand grips or BioTransducer (Can be used to balance body and emotions)
BioTerminal® Crown (BT-CR) (R) 15.18 Hz	Used to offer more voltage to this BioTerminal Point- Bring it back in balance.
BioTerminal® Head (BT-HD) (R) 13.53 Hz	Used to offer more voltage to this BioTerminal Point- Bring it back in balance.
BioTerminal® Neck (BT-NK) (R) 12.05 Hz	Used to offer more voltage to this BioTerminal Point- Bring it back in balance.
BioTerminal® Chest (BT-CH) (R) 10.74 Hz	Used to offer more voltage to this BioTerminal Point- Bring it back in balance.
BioTerminal® Abdomen(BT-Ab)(R) 10.14 Hz	Used to offer more voltage to this BioTerminal Point- Bring it back in balance.
BioTerminal® Pelvic (BT-PV) (R) 9.01 Hz	Used to offer more voltage to this BioTerminal Point- Bring it back in balance.
BioTerminal® Base (BT-BA) (R) 8.02 Hz	Used to offer more voltage to this BioTerminal Point- Bring it back in balance.
Visual Acuity (VAstep) 4 -1555 Hz and Infinity	Used to help with eye therapies. This program is used with the BioTransducer placed at the side of temple inline with the eye. <i>See BioTransducer Instructions for specifics on eye treatments.</i> *This is also a great program for all areas of the body
Tennant Pain Management (TEN PM) 0.5 - 304 Hz	Pain & Injuries of Muscle, Tissue, Bone and Inflammation. - Used with BioTransducer or any electrodes
Solfeggio Musical Notes 174, 285, 396, 417, 528, 639, 741, 852, 963 Hz	This program has the frequencies of musical notes, resonates well with all areas of the body. (is used plugged into footplates and hand grips and with the Transducer) Overall General Health - * This is one of the best programs to choose, when you don't know what program to use.
Harmonics (Schumann Waves) 7.83 -33.8 Hz	Grounding, like walking barefoot. Use for correcting polarity and when you have been around a lot of EMF, computers, Wi-Fi - Used with BioTransducer for Polarity correction but can also be used for grounding with electrodes.

Mode Name / Frequency		Features
Delta Brain Waves	0.5 - 4.0 Hz	Deepest meditation and deep restorative sleep, Dreamless sleep. Healing and Rejuvenation. Delta waves suspend external awareness (located at back of head) - Occipital Lobe - Use with the BioTransducer
Theta Brain Waves	3 - 8 Hz	Trance or hypnotic state more susceptible to hypnosis, daydream, twilight state, dream state, REM sleep. Subconscious, creativity and intuition. Improved memory, inspiration and spiritual connection, Improved physical healing, Release of beneficial hormones related to health and longevity. Reduction of mental fatigue, anxiety, and stress. Overall bliss and contentment (located above the ear) Temporal lobe - Use with the BioTransducer
Alpha Brain Waves	7 - 12 Hz	‘Frequency Bridge’ between our conscious thinking (Beta) and subconscious (Theta) mind. known to help calm you down and promote feelings of deeper relaxation. Positive Thinking, Aid overall mental coordination, calmness, alertness, mind/body integration and learning, deep studying (located at top of the head) – Parietal Lobe - BioTransducer
Beta Brain Waves	12 - 31.2 Hz	Normal Wakeful State, productivity, concentration, and alertness improved logic, reasoning, and critical thinking (located at front of head-) Frontal Lobe - Use with the BioTransducer
Gamma Brain Waves	32 - 43 Hz	High Performance, perception is heightened, peak mental state. Improve memory and processing of information from different brain areas. Pass information rapidly and quietly. - Cerebellum - Lower back of the head- <i>Research suggests that people with learning difficulties or impaired mental processing may not produce as many gamma waves.</i>
Chakra Step (CH step)	126 - 272 Hz	Cycles between all Chakra frequencies every 30 seconds, and repeats. - Use with the BioTransducer
Chakra Root (CH Rt) (R)	194 Hz	Treat with BioTransducer from the back-Located at Base between the legs (Perineum)
Chakra Sacrum (CH Sac) (R)	210 Hz	Treat with BioTransducer from the back-Located two inches below the navel and center of the pelvis (backside)
Chakra Solar Plexus (CH Solrp) (R)	126 Hz	Treat with BioTransducer from the back-Located along your spine and above the navel, in the upper abdomen (backside)
Chakra Heart (CH Ht) (R)	136 Hz	Treat with BioTransducer from the back-Located back center of chest (backside)
Chakra Throat (CH Thr) (R)	141 Hz	Treat with BioTransducer from the back-Located back of Neck
Chakra 3rd Eye (CH 3rd) (R)	221 Hz	Treat with BioTransducer from back of head opposite of Forehead
Chakra Crown (CH Crn) (R)	172 Hz	Treat with BioTransducer –Top of Head
Chakra 8th (CH 8th)(R)	272 Hz	Treat with BioTransducer from back -Located arms length above your head (above the crown)
Blue Relax(R)	82 Hz	Similar to Assess but provides higher frequency output. Measures the body and gives a reaction reading.
Modulate	139 - 147 Hz	Acute pain and inflammation.
Stimulate	28 - 111 Hz	Scenar (FM/Var) Pain and inflammation- modulates both power output and frequency to reduce accommodation.
Deep Stim	30 - 121 Hz	Scenar (SW/Var) Pain and inflammation- multiple pulses and modulates both power output and frequency.
Blue Stim	22, 163, 22 Hz	Scenar - Pain and inflammation- this mode outputs multiple pulses and modulates frequency.
Acute	121 Hz	Scenar Russian technology – New Injury

Mode Name / Frequency		Features
Power 1	57 - 122 Hz	Toning face (when using on the face keep the power level below 35 and only treat for 1 - 2 minutes on each area, on clean dry skin) - Most people use the Face Electrode for toning the face.
Power Plus	57 - 122 Hz	Toning of muscles (has modulation) - Use electrode pads for toning large muscle groups.
Power Advanced	57 - 122 Hz	Toning Body (higher intensity of pulses) When toning the larger muscle groups like the abs the electrode pads work well.
Power Intense	57 - 122 Hz	Toning Abs Muscles, Arms, Thighs (higher intensity of pulses) Use electrode pads for toning large muscle groups.
PG 2500	2300 - 2500 Hz	Highest Hertz- Outer energy field. Use with the Transducer.
HGH	1725, 645, 1342 Hz	Human Growth Hormone - Most people use this with the Transducer.
Repetitive Stimulate (R-Stim)	2500 Hz	Used by Physical Therapists
Fast T (R)	500 Hz	Used by Physical Therapists- Fast Twitch Muscle Fibers
Slow T (R)	250 Hz	Used by Physical Therapists- Slow Twitch Muscle Fibers
Lung (LU) (R)	824 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Pericardium (PC) (R)	530 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Heart (HT) (R)	497 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Small Intestine (SI) (R)	791 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Triple Burner (TE) (R)	732 Hz	Chinese Medicine - Upper - Heart, Lungs, Pericardium, , Middle -Spleen, Stomach, Gallbladder and Lower -Liver, Kidneys, Urinary Bladder, Small Intestine, Large Intestine and Uterus. Use BioTransducer at - TB04 is located ‘on transverse crease of dorsum of wrist in depression lateral to tendon of extensor digitorum communis.
Large Intestine (LI) (R)	553 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Spleen (SP) (R)	702 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Liver (LR) (R)	442 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Kidney (KI) (R)	608 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Bladder (BL) (R)	667 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Gallbladder (GB) (R)	583 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Stomach (ST) (R)	471 Hz	Use by Acupuncturist-to treat meridian and to target organ for treatment - Used with BioTransducer or any electrodes
Advanced Mode (AVA)	0.5 - 1565 Hz	Where you can program additional frequencies to create additional therapy modes.
Memorized Mode (VAZ 4, 3, 2, 1)		Where you save the personalized modes, you created with the AVA program.
Emergency (ER)	24 - 30 Hz	Use in an Emergency for snake and spider bites as taught in the conference. Double select middle button takes you instantly to maximum power. - This is used with the electrode on the back of the device, placed firmly on skin.



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