

Troubleshooting Continued:

5) Additionally, attempt using the Ultima Neuro with ONLY the 2 adhesive or "sticky" round electrode pads included in the kit. Attach one round pad to the red lead pin and the other round pad to the black pin on the same lead wire, then affix the pads to your arm or leg a few inches apart. Power on the Ultima Neuro and attempt to adjust the intensity for the connected channel. If the current is distributed with the pads this may indicate that one or more of either the white snap adapters or the Electrode Garments themselves have been damaged or become defective. See Step 7 for more information on defective Electrode Garments..

6) Carefully inspect the metal snaps and parts on the garments, the white snap adapters, and the metal pins on the lead cables for any signs of discoloration, tarnish, mineral build up, or oxidation. If there is any rust or tarnishing whatsoever on any of the metal surfaces in the lead wire chain it could easily short circuit the channel and the device will not work, or only work intermittently. Superficial rust and buildup is easily removed from the pins and snaps with fine steel wool, Emory cloth, or fine sandpaper. Toothpaste has also proven to quickly remove buildup from the lead wire pins..

7) Typically in the clinic we expect to get 4-6 months of regular, daily use from our conductive Electrode Garments before they reach the end of their natural usage lifespan. Garments are relatively low-tech items and thus remarkably reliable. There are nevertheless two cases in which we've seen Garments become defective in a very short time period: a) Garments are washed in a laundry detergent that uses an oxidizing cleaning process (such as is the case with OxiClean detergent in the US) or citric acid which will render them almost instantaneously useless. The chemical process of oxidization completely destroys the conductive silver thread in any Electrode Garment (the thread actually rusts, thereby turning black and giving the garments a dark appearance). b) A similar but opposite issue is that Garments have been worn around the house, outside, etc., and have become saturated with dirt, oil, mineral buildup, etc. which can quickly collect in the damp fabric, short-circuiting the treatment. We recommend hand washing Electrode Garments any time they begin to take on a dull or dingy appearance in a detergent created for delicate garments is best. Garments should be blocked into shape and air dried out of direct sunlight. They should not be put into the dryer. Additionally, Electrode Garments should ONLY be worn during treatment, while the user remains sitting or stationary, and removed immediately thereafter.

6) If you are experiencing a "hot spot" with the Electrode Garments during treatment this is likely an indicator that the garment or garments aren't uniformly damp, which is something the particular skin type of certain users will likely require. See Step 3 for help with adding more moisture.

⚠ Warnings:

- **Never start any Ultima Neuro treatment without first getting the full consent and ongoing supervision of a qualified physician.**
- **Carefully review all WARNINGS, Precautions, Instructions and other Information in the manufacturer's User's Manual before use.**
- Unless prescribed by your physician the Ultima Neuro should not be used by expecting or nursing mothers, individuals with pacemakers, children, and individuals who have total or partial loss of feeling from neuropathy or other complicating conditions.
- Never operate a motor vehicle or machinery while using the Ultima Neuro.
- If you experience an adverse reaction during treatment discontinue use immediately and contact your physician.
- Should treatment cause any kind of skin rash that doesn't go away, discontinue use immediately and consult your physician.
- Included electrode garments & electrode pads are non-sterile and are intended for use or reuse by a single user only.
- Never place electrode garments or electrode pads over broken skin or an open wound. Never place electrodes on or near the eyes, in the mouth, trans-cerebrally (on each temple), or on the front of the neck. Ask your physician for proper electrode placement help.

Legal Disclaimer: Before use, user understands and agrees that Ultima Neuro should only be used under the supervision of a qualified physician. Users must read and completely follow all directions provided by the manufacturer, as well as all instructions from their physician regarding treatment times, and protocols. User assumes all responsibility for the use/misuse of this product. User understands that Conductive Therapy Shop is only a distributor and in no way assumes responsibility for any injury the products it sells may cause due to malfunction, misuse, inappropriate application, or other reason.

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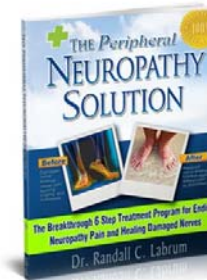
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Dr. Labrum's Ultima Neuro Quick Start Guide



Dr. Randall C. Labrum



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✦ Instructions for Use:

1. **Before initial treatment the battery REQUIRES full charging.**
2. **EXTREMELY IMPORTANT: Make sure cuffs, socks and/or gloves are dampened** with the included starter bottle of *Trace 60* spray. While the amount of moisture needed to enable and evenly disperse the current can vary dramatically from person to person, in the clinic we typically give 2-4 spritzes of spray to the inside of the garment and 1-2 spritzes directly to the skin to be treated. Spray can also be added to the outside of the garment while treatment is in progress.
NOTE: Some users prefer thoroughly wetting garments in tap water, gently wringing them out, then adding a few spritzes of spray before beginning treatment. With this approach the garment should remain damp through the entire treatment.
NOTE: *Trace 60* spray is not required though we prefer it for the trace minerals it adds to the skin. Other brands of electrolyte solution and conductive gel will generally work, as will homemade solutions of well-dissolved Epsom Salts. Avoid all tinted and perfumed “bath salts”.
3. To treat a single foot/hand you will need a cuff AND a sock or glove. Attach the sock/glove to the red lead and the cuff to the black lead. To treat 2 feet/hands you will need 2 cuffs and 2 socks or 2 gloves.
NOTE: The included electrode pad or pads can be used in place of the cuff or cuffs in many cases. Some users prefer this setup.
4. Attach the lead wire or wires to the Ultima Neuro and slip on the conductive garments. Sit somewhere where you can remain comfortable and where little movement will be required during the next 20 to 35 minutes. A recliner is ideal. Since your feet or hands will be damp and will cool you may want to place a space heater nearby or cover the socks/gloves with a towel, blanket, slippers, etc.
5. With the dampened garments on, **ONLY NOW** will you push the *Power On* button (circle with vertical mark) on the Ultima Neuro device. The display will light up in bright blue for a few seconds.
6. Slowly begin increasing the intensity of the current by pressing the up button (triangle) for the channel you are using. Similarly adjust the intensity of the 2nd channel if you are treating both feet/hands. You will notice that the outlet where the lead wire plugs into the Ultima Neuro is now illuminated orange meaning the circuit has been properly formed.
NOTE: Intensity preferences will vary from user to user and change over the course of treatment. If numbness is a symptom a non-neuropathy sufferer can be useful in initially gaging the appropriate intensity. **The special dimensions of the Ultima Neuro’s therapeutic waves are far more important than treatment intensity, which by design is generally more subtle than ordinary TENS devices.**

NOTE: A common mistake is for users to “crank up” the intensity of the Ultima Neuro. **Only a slight, comfortable “buzz” or “tingling” is necessary in *Neuro A* mode to be beneficial.** Healthy users will often achieve sufficient intensity at between levels 3 and 8 (of 36) in the *Neuro A/A1* sub-programs and 2.5 and 5.5 (of 10.0) in the *Neuro B/B1* sub-programs.

NOTE: Some users report responding better if the garments are worn inside out. Gently curling your toes or fingers also helps some users. If things don't seem to be working, cross the treated foot across your lap and place one hand on the sock and the other on the cuff. The hands are generally more sensitive and you will likely feel the current working in your hands before your feet, so continue to increase the intensity. **If adjusting the treatment intensity does not help, add more conductive spray.**

7. All Ultima Neuro neuropathy treatments are timed for either 20 or 35 minutes as selected by the timer button (lower left with clock face). Time remaining is counted down in the display. After the session the Ultima Neuro will automatically shut itself off.
8. **Full neuropathy treatment consist of 4 different sub-programs that run consecutively and without interruption.** The current sub-program is indicated in the upper left corner of the display. The 4 sub-programs and their durations are as follows: ***Neuro A*** (4 or 7 mins.), ***Neuro A1*** (4 or 8 mins.), ***Neuro B*** (6 or 10 mins.), ***Neuro B1*** (6 or 10 mins.).

NOTE: Treatment in the *Neuro A* and *A1* sub-programs pulsates, which means you will feel the charge intermittently for several seconds, followed by several seconds where no charge is emitted.

NOTE: The *Neuro B* and *B1* intensity scale is different than for *Neuro A* and *A1*. Some users feel virtually nothing at all during treatment. Others have to increase intensity to the near the max setting. **This is normal and treatment will be effective even if little or no current is felt.**

NOTE: The 20-minute treatment program done **once daily** is suggested for most users during an “adaptation period” of at least one week. After the adaptation period users generally receive **two** treatments of either 20 or 35 mins. daily. One treatment before bedtime is especially beneficial. The other can be performed when convenient.

✦ Important:

- **Block garments into shape and allow to fully air dry before storing. Hand wash in cold water using soap for delicate fabrics. Rinse thoroughly. **Never place in dryer, sunlight, or use bleach, Oxi-type laundry soap, fabric softener, or iron.****
- **Legal Disclaimer:** *Before use, user understands and agrees that Ultima Neuro should only be used under the supervision of a qualified physician. Users must read and completely follow all directions provided by the manufacturer, as well as instructions from their physician regarding treatment times, and protocols. User assumes all responsibility for the use/misuse of this product. User understands that Conductive Therapy Shop is only a distributor and in no way assumes responsibility for any injury the products it sells may cause due to malfunction, misuse, inappropriate application, or other reason.*

✦ Troubleshooting:

Most issues users experience with the Ultima Neuro are related to procedure and set up, and can be easily resolved with attention to detail and the simple tips and modifications explained below. Much less frequently a user will encounter damaged or defective equipment. Following the troubleshooting steps also outlined here will determine whether such a defect or damage exists.

When it comes to the Electrode Garment Protocol the most common symptom indicating that some issue is at play is that of channels that no longer distribute current. **This is accompanied by a symbol of a plug with a slash through it in the display,** and by the failure of the orange rings around the lead wire sockets to light while attempting to adjust intensity. In most cases these symptoms and symbols mean that a circuit is not being formed between the red and black lead pins on a particular channel.

- 1) We always suggest fully charging the battery before troubleshooting.
- 2) If you have recently charged the battery or if the Neuro unit has been dropped it is very common for the battery to be reinserted and seated in such a way that it's just a little “off”. Remove the battery and carefully seat it again.
- 3) Make sure the Electrode Garments are sufficiently damp and that a conductive electrolyte medium has been added. The amount of moisture and spray needed can change over time as a result of changes to body chemistry, mineral content of the water used to dampen the garments, age and usage of the Electrode Garments (which will eventually reach the end of their natural lifecycle with repeated use), etc. Many users wet conductive garments in tap water before treatment and then gently wring them out before adding a few spritzes of electrolyte spray.
- 4) Test the Neuro unit’s lead wires for damage. To do this, hold the red and black ends of a single lead wire in such a way that the metal tips are touching each other and then adjust the intensity on the Neuro unit. If all is well the intensity should adjust upwards and the orange ring around the plug for the particular cable should light up and stay lit. Repeat for the second channel, then swap to the second lead cable and test it in the same way. If one or both of the lead wires do not work on either channel this may indicate a broken or defective lead wire (common with leads that have been crimped, snagged, tugged, etc.) A set of spare lead wires was included with your kit for this reason.

✦ Product Support:

Please carefully review this guide before contacting us at:
support@conductivetherapyshop.com