

# Manual



**NPB Hardware Version: 2.0**  
**NPB-mini Hardware Version: 2.0**  
**Document Version: 1.8**



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## General Information

Field therapy has been known for many years and has so far been applied in the form of magnetic therapy. That method of treatment acts primarily on the blood flow because the iron in the blood is attracted and accelerated by the magnetism. Rapidly changing magnetic fields induce electric fields as well, only the effect of these fields on the cell metabolism is limited. Cells have a certain electric field potential that is important for the cell metabolism. When a cell is degenerated or damaged its own field potential is disrupted.

Experiments show that the external electric field of a certain shape directly stimulates healthy cells so the natural defense mechanism of the cells is boosted. Research shows that this external electric field stimulates the aquaporin protein so that water and salt ions are better transported through the ion channels of the cell wall.

See: [http://en.wikipedia.org/wiki/Electron\\_transport\\_chain](http://en.wikipedia.org/wiki/Electron_transport_chain)

Healthy cells in the body do not suffer any adverse effects by an external field. This is based on the fact that a healthy cell is able to build up an electric counter field very quickly blocking the external field. However, a sick, degenerated cell doesn't have this ability. The nucleus of such a cell will be affected by the rapidly increasing external field so in the end that cell will be eliminated by the body.

For a long time it was very difficult admit a very fast-rising electric field of sufficient strength closely enough to the patient. That is why till today magnetic fields generated with a transmission coil or induction coil are still in use.

## The product NPB or NPB-Mini

Don-Neo Technologies has developed a special coil and succeeded in bringing an electric field in a very safe way close to the patient. The NPB generates a rapidly alternating external electric field and thereby exerts a direct influence on the cells of the patient at the site at which it is directed.

The NPB owes its name to the rapidly increasing electric field change, within a few nanoseconds (one nanosecond = one billionth of a second). Hence the name: "Nano Pulsed Beamer"

The NPB and the NPB-mini have in general the same characteristics with the only difference that the NPB-mini is used for local treatments where the same amount of energy is needed on a smaller surface.

 **When you read in the text of this document about the NPB, also the NPB-mini is meant, of course this depends on the type of product you are using.**

## Treatment Scope

With the NPB, the following symptoms can be treated very effectively:

- Pain relief of stressed tendons, muscles and joints (tennis elbow, whiplash, etc.)
- Pain relief of inflammation in muscles
- Relief of symptoms due to autoimmune phenomena (Rheumatism, MS, etc.)
- Stimulate healing of bone fractures and wounds
- Treatment of uncontrolled cell growth in the skin and just below and in shallow lying soft tumors
- In general the NPB gives a boost to the immune system

## Maintenance and safety instructions

 ***BE AWARE: Before using the NPB for the first time we urge you to completely and carefully read this manual and follow all warnings. Even if you are already familiar with the operation of electronic equipment.***

Keep this manual in on a safe place so you can refer to it later. If your device changes ownership, it is important that you also hand over this manual to the new owner.

## *Expediency*

This device is intended for use by persons who are familiar with the possible applications and the method of the NPB as described in this manual. It is not allowed to open the device or change the hardware or software. Don-Neo Technologies cannot

accept any liability for damage or malfunction caused by this. Use only the supplied accessories. Any other use is considered inappropriate.

 **NOTICE: when the NPB is not in use: keep all accessories of the NPB ALWAYS together in the CLOSED case and lock it with the supplied key. Store the case on a safe place out of reach of children!**

### ***Limitations***

It is strongly advised NOT to treat people who internally or externally dependent on an electronic device (e.g. a pacemaker) that can be disrupted by the external fields. People making use of a hearing aid are being advised to take it off and turn it off before the treatment.

It is not recommended to treat pregnant women with NPB because the impact and consequences of the use of fields on the unborn child are not known.

### ***Operating Environment***

The NPB equipment should not be used in a room with explosive and flammable gases. Both storage and operating environment of the NPB equipment must remain within the limits of comfortable accommodation conditions. The relative humidity must not exceed 90% and the temperature should not exceed 40° Celsius.

### ***Precautions***

-  Keep the NPB equipment away from direct heat sources, direct sunlight or strong light.
-  Avoid extremes in temperature.
-  Do not put burning items on or near the appliance.
-  Do not insert strange objects into the unit.
-  The NPB equipment should not be exposed to strong shocks and vibrations.

### ***Maintenance and repair***

All parts of the NPB that comes into contact with patients should be cleaned regularly to avoid possible contamination after each session. Only the yellow surface of the coil and the hand probe can be cleaned with a damp cloth or a cloth with a small amount of alcohol. Clean the rest of NPB unit with a clean dry cloth, do not use liquids. When the NPB unit or its components such as cable are damaged, liquid has been spilled or objects have fallen into the housing they have been exposed to rain or has been dropped and is no longer functioning, then repair is necessary. Turn off the power immediately if smoke, strange smells or sounds are perceived. In this case, the NPB equipment should not be used. In this case you will be advised to offer the equipment to Don Neo Technologies for repair.

### ***Warranty***

The warranty period is two years and begins on the date of purchase.

This warranty applies only if:

- the device has been treated according to the above recommendations
- has not been opened
- all cables and devices are connected and used with care

Damage caused by failure to follow the maintenance and safety instructions, the warranty is no longer valid and Don - Neo Technologies shall not be liable for any damage or injury. The shipping costs for transporting the equipment to the supplier, comes at the expense of the buyer. You will be asked to clarify the complaint, cause and your requirements in an accompanying letter.

After the expiration of the warranty period or neglect during this period, repair can always be performed against payment of cost of supplied parts.

For further questions, suggestions, complaints or reports, you can always contact Don - Neo Technologies via the following email address: [support@don-neo.com](mailto:support@don-neo.com)

Our website : [www.don-neo.com](http://www.don-neo.com)

You may also contact us by phone: +31- (0) 10-3400822

## **Scope of delivery**

The parts of which are provided are as follows:

1. 1 pcs NPB main unit
2. 1 pcs hand probe
3. 1 Yellow cord for the hand probe
4. 1 Electric Field Detector
5. This manual

## Connecting

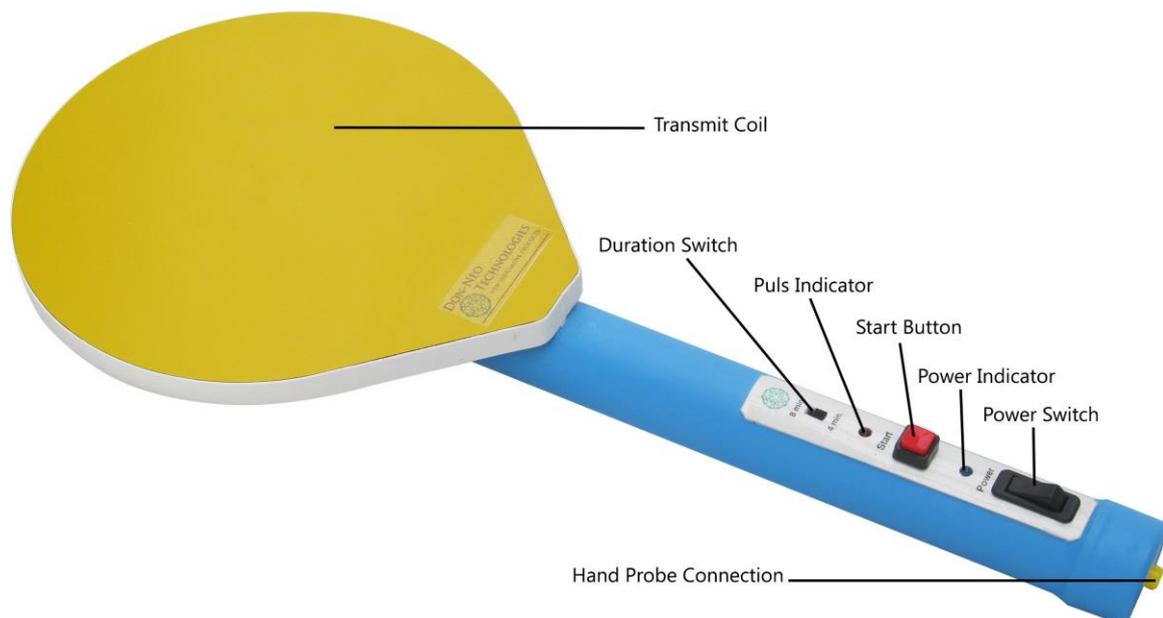
**Always** connect the NPB to a properly **grounded outlet** and make sure that the NPB is powered off before connecting.

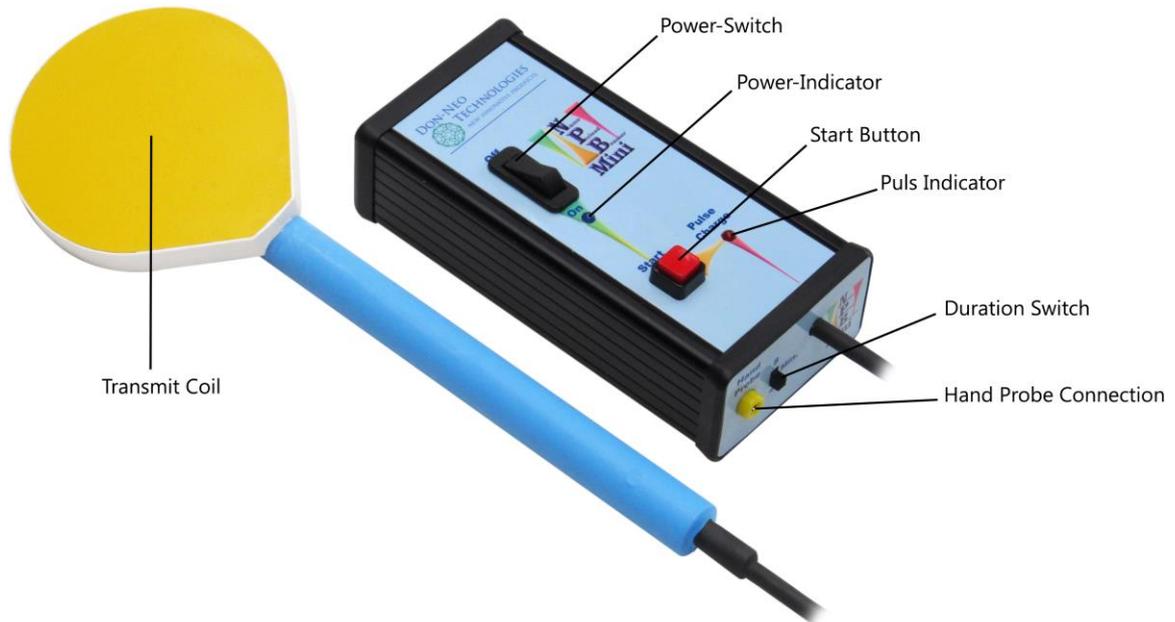
The NPB is only effective if the plug is properly connected to the mains. If it's possible to turn the plug 180° you have to consider the following. In the holes of the socket are in fact two connected wires, the phase wire and the neutral wire.

The phase wire of the mains must be (for technical reasons) connected to the right leg of the connector plug otherwise the NPB will not work effectively.

To expose the output signal of the NPB and NPB-mini indirectly, an electric field detector is used. The electric field nano pulse energy sent thru the transmit coil is converted to skalar energy pulses. This type of energy is needed for treatments. Skalar energy unfortunately is not measurable, that's why an indirectly measurement via an electric field detector is used. When you use the NPB-mini this electric field energy is measurable above the transmit coil but also on the outside of the cord connected to the transmit coil. This is normal because this cord transports the electric field energy pulses towards the transmit coil. For more details about skalar waves we direct you to: [http://www.don-neo.com/technologies/\\_en/links.php](http://www.don-neo.com/technologies/_en/links.php) and then click on the link of Prof. Dr. Ing. Konstantin Meyl. The website behind this link is the German language.

The following explains how to test this using the included electric field detector.





Turn on the NPB with the power switch. Ensure that the time switch is standard on 4 minutes. Then push on the red button so the NPB activates. Take the electric field detector.



Hold the electric field detector with your right hand and place your right thumb on the picture as indicated. Turn on the electric field detector. The antenna of the detector is at the symbol Antenna. Move the detector now towards the NPB's active coil (the yellow surface) starting at a distance of about 15 cm. When using the NPB-mini a smaller distance is necessary starting at about 10 cm. The field of the NPB-mini is more concentrated and focused than the NPB. When the LED (marked Active) on the detector flashes exactly opposite to the Red LED on the NPB, the NPB is properly connected to the mains.

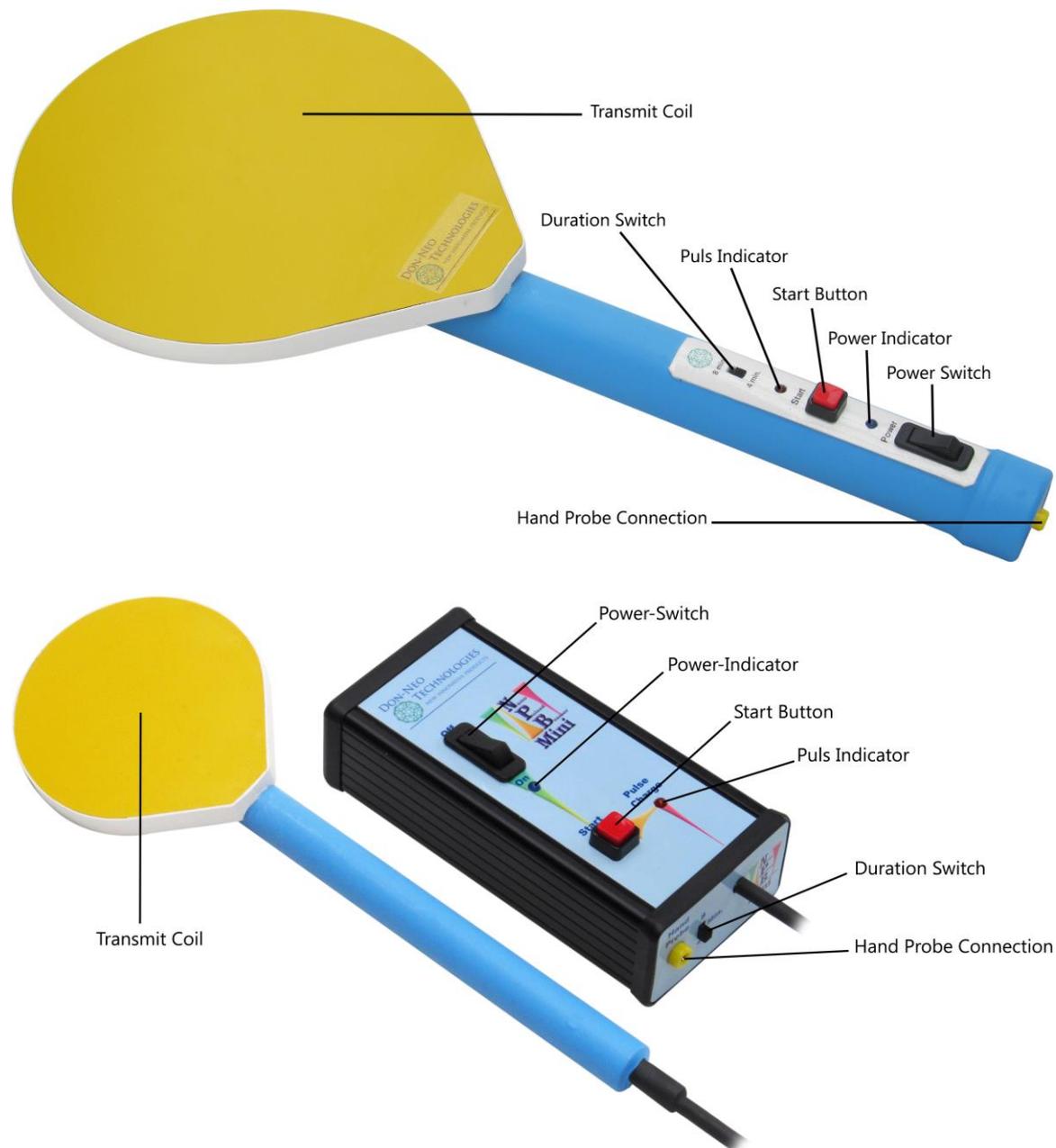
If the detector LED is NOT flash regularly opposite to the NPB, turn OFF the NPB and twist the mains plug 180°. Repeat the test, now the LED will flash opposite to the LED of the NPB.

For convenience, you can mark the socket of your outlet for the next time. Place a red dot on the side of the outlet on the same side as marked in the plug of the NPB. So next time you get started right away.

Before use of the NPB connect the yellow banana plug cord to the supplied hand probe and plug the other end of the cord into the yellow jack at the end side of the NPB. This hand probe should ALWAYS be used during a treatment and be held in the hand or under the foot of the patient. As result the energy pulse generated by the NPB is sent in the direction of the patient (it is in fact the return channel for the energy).

## Use of the NPB

The NPB generates an electric field pulse that exits through the coil (the round yellow surface at the front). The coil should be directly on the spot to be treated on the body of the patient.



1. Put ON the Power switch of the NPB, the NPB is now in standby mode. The blue Power Indicator LED will light up on the NPB.
2. Set the duration switch to the correct position; 4 minutes or 8 minutes.
3. Put the Hand Probe in the patient's hand or against his body on another place of the body but away from the coil.
4. Put the NPB with the coil directly on the spot to be treated.
5. Press the red button, you will hear a beep. The treatment is started, the red LED will flash.

6. Every time the red LED goes out the NPB generates a very fast electric field change.
7. When the time is up the NPB automatically turns off in standby mode and you will hear 4 beeps.
8. If you are ready now turn off the NPB by pressing the Power Switch to the OFF position.

 ***Be sure not to wear any metallic objects (jewelry, clothing zipper, etc.) during treatment between the NPB and the treatment spot on the body. Metal will influence the electrical field of the NPB so that the treatment of the patient becoming less effective.***

## **The Treatment Time**

We recommend using the NPB approximately 4 minutes per treatment per patient and in special cases you can set a treatment time of 8 minutes. This can be done by setting the duration switch on the NPB to the appropriate position.

Because the effect of the treatment lasts for a certain time, in general 2 treatments a week will be sufficient. In some cases the number of treatments can be increased to a maximum of 3 treatments per week.

Be aware you schedule enough resting time between treatments. See two examples of treatment schedules:

Example 1:

Treatment on: Monday, Thursday

Rest on: Tuesday, Wednesday, Friday, Saturday and Sunday.

Example 2:

Treatment on: Monday, Wednesday and Friday.

Rest on: Tuesday, Thursday, Saturday and Sunday.

In some cases 1 or 2 treatments will give a positive result but the longer the problem resists the patient the more treatments will be needed to cure.

## **Precautionary Measures**

-  *We advise you **NOT** to treat small children or pregnant women because there is no experience on the effects of this therapy in this category of persons.*
-  *The NPB should not be used by people with an electrical stimulation device within (a pacemaker) or outside the body (e.g., such as a hearing aid, this device must be removed first).*
-  *The NPB should not be focused on metal parts inside the body (artificial hip, screws or plates).*

## **Disclaimer**

*Don-Neo Technologies does not accept any liability for improper use of the NPB. All other use of the NPB and the accessories **NOT** described in this manual will be marked as improper use. Don-Neo Technologies only delivers the equipment and resources to make varied choices of therapeutic treatments possible, as well technically as organizationally.*