



MicroGen Instructions



MicroGen · 2022

Portable ● Safe ● Effective ● Innovative

Thank you for choosing HeaWea MicroGen. These instructions will help you get the best results from this awesome product. You can find the electronic edition of this manual on HeaWea.com.



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Brief Overview

MicroGen can be programmed to become a Bob Beck Blood Purifier, Hulda Clark Zapper, micro-current or high-power frequency device. No other portable frequency device can match MicroGen for features or performance:

- Small
- Portable
- Inbuilt rechargeable battery
- Charge from any USB port
- Full day battery operation
- Programmable
- Simple to program
- Massive database
- One-button operation
- Micro-current treatment capability
- Current limiting protection
- Powerful: up to 60v output
- On-board current monitoring for safety
- Frequency range from 0.000001 Hz to 2.00 MHz

- Frequency resolution up to 6 decimal places (1 Hz)
- Low-power or high-power cable options
- Zapper or Blood Purifier mode

On behalf of all the people who assisted in the development of MicroGen, we wish you all a long and healthy life.

Package Contents



MicroGen Main Unit

X 1



Lanyard

X 1



High-Power TENS cable

X 1



Low-Power TENS cable

X 1



USB Cable

X 1



MicroGen TENS Pad

X 6



Triangle Pry Tool

X 1



User Manual

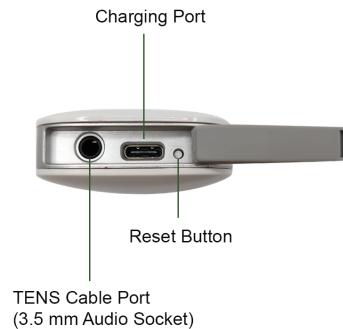
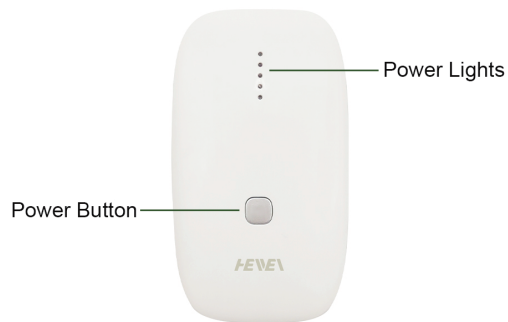
X 1



Portable Case

X 1

Main Structure



Hardware Operation

Battery Charging

Fully charge the internal battery before use. Plug the USB cable into MicroGen. The USB connector is hidden under the rubber cover. Plug the other end of the USB cable into a computer or 5v USB power adapter. Charge for 5 hours or more.

Notes: MicroGen will always charge when connected to a USB port. It does not need to be turned on. If MicroGen is turned on, the LEDs on the front of MicroGen will flash, indicating the charge status. After 5 hours, the charge indication LEDs will automatically calibrate.

Turning On

Pressing the power button for 2 seconds until the LEDs turn on.

Note: MicroGen must be turned on before programming or creating a Test Report.

TENS Cable

The TENS cable audio-type connection is plugged into the MicroGen TENS cable port. The other end of the cable has metal pins. Plug these into the two TENS pads.

TENS Cable Options

There are two TENS cable options. The golden one is the low power cable, used for Low power mode.



The silver one is the high power cable, used for Blood Purifier, Zapper, and High Power modes.



Note

All treatments above the shoulders must use the low power cable.

TENS Pads

TENS pads are self-adhesive, reusable electrodes designed to be placed on your skin.

The pads are 2" x 2" (50mm x 50mm) in size, and accept industry-standard 2mm pin plugs.

The low impedance carbon film ensures signal integrity is maintained.

Place the pads across the region. The healing frequencies pass in a straight line between the pads.



Note

Discard TENS pads which are no longer sticky.

Try to keep the TENS pads at least 2" (5cm) apart.

If your skin is sensitive, you may place a small wet cloth on your skin, and place the TENS pad on top. The TENS pad will lose its stickiness, but if you set aside a pair of pads for this purpose, they can be reused for a long time. You will need to apply pressure on each pad to ensure a good contact is made with the wet cloth.

System Requirements

Operating System

32 or 64 bit versions of Windows XP/7/8/8.1/10.

Memory (RAM)

512 MB of RAM required.

Hard Disk Space

100 MB of free space required.

Processor

Intel Dual Core processor or later.

Mac/Linux: Currently there are no native Mac or Linux versions of MicroGen software. We recommend you pick up a pre-owned Windows PC to program MicroGen. These can usually be bought for a very modest price. Alternatively, you can use BootCamp to create a Windows partition, or purchase virtualization software.

Software Operation

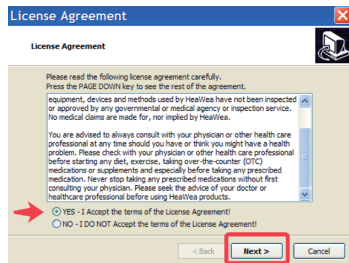
Installation

Download the latest software from:

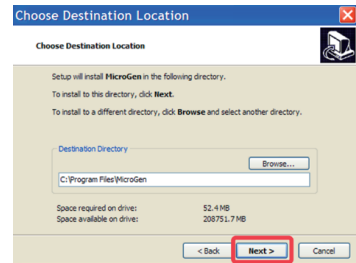
<https://www.heaweia.com/software-download/>

Run the installer. If you are using an old version of Windows, you may need to unzip the downloaded file first.

You will be shown the License Agreement. Select “YES” and click “Next”.

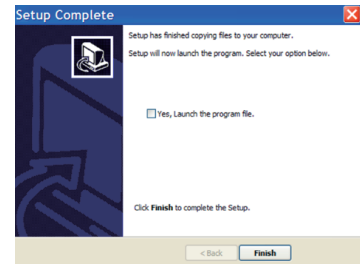


You can accept the default Destination Directory or choose a different installation location. Then click “Next”

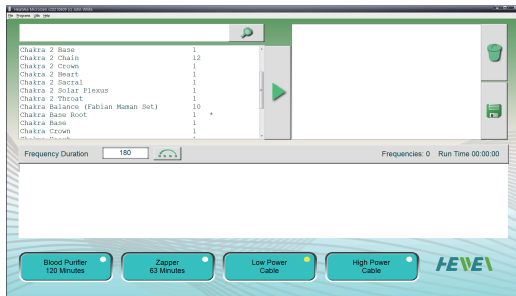


The MicroGen files will be installed.

When Setup has completed, you have the option of launching the software.



Start the installed MicroGen software by clicking the MicroGen icon. After the databases load, you will see this screen. Now we can have fun!



General Software Usage

At the bottom of the screen, you will see 4 large buttons. These set the operating mode of MicroGen. When you push any of these buttons, frequencies will be transferred into MicroGen.

The white or yellow dot inside these buttons indicate the colour of TENS cable to use for each mode. The silver TENS cable is for delivering high-power frequencies. The golden TENS cable is for delivering micro-current frequencies.

The Blood Purifier and Zapper modes do not require programs to be selected. Pressing either these button automatically programs MicroGen to the correct frequencies.



Notes

MicroGen will automatically start the program(s) the moment the frequencies are loaded.

All previously loaded programs are overwritten.

For all modes, always make sure the TENS pads are stuck properly on your skin. Loose TENS pads may cause skin irritation.

Now let's look at each mode in more detail.

Blood Purifier



MicroGen Blood Purifier mode applies 3.9 Hz for 2 hours, and it will turn off after this time.

Use the silver high-power cable, and start at the lowest power setting (1 LED = 10 volts). Gradually increase the power until 3 LEDs illuminate (3 LEDs = 30 volts). If you find the power is too high, you can use a reduced power level. Treatments should not hurt.

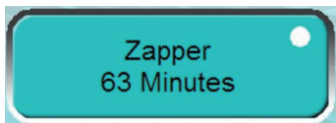
Ideally, the TENS pads should be placed in parallel to a blood vessel. Common locations are the wrist or behind the inside ankle bone of both feet. The best locations will have a pulse. If a pulse is felt by your fingers, it means a blood vessel is near the surface of your skin.



Note

Blood Purifier mode does not use loaded programs. When you press the Blood Purifier button, the correct parameters will automatically load, and MicroGen will start the protocol.

Zapper



Zapper has 3 × 7-minute treatment sessions with a 20 to 30-minute rest period between them.

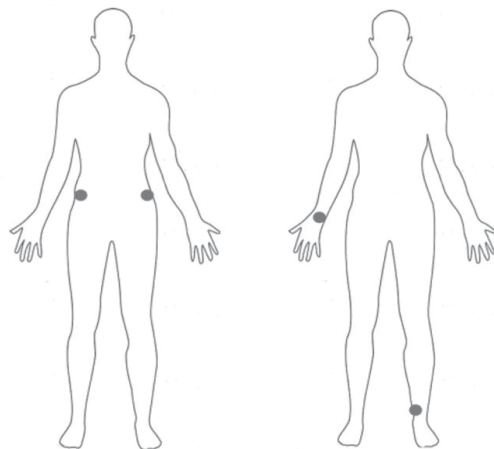
Use the silver high-power cable, and use the lowest power setting (1 LED = 10 volts). Ideally, the TENS pads should be placed on opposing wrists or across the problem area. After 63 minutes has passed, MicroGen will automatically turn off.

Notes

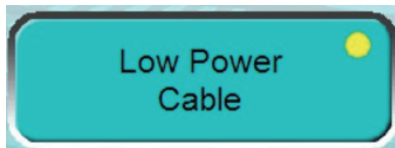
Zapper mode does not use loaded programs. When you press the Zapper button, the correct parameters will automatically load, and MicroGen will start the protocol. The signal from the Zapper is a pulsed DC. Over a period of time, acid may build up under the TENS pads, causing

skin irritation. Always make sure the TENS pads are stuck properly on your skin, and stop the treatment if you feel any pain sensation.

A good location for Zapper application is across the abdomen. Alternatively, for greater body coverage, place one pad on the inside of your right wrist and the other above your left ankle.



Low-Power Cable



You will notice that the dot in this button is yellow. This means the golden TENS cable should be used for low-power applications.

MicroGen has programs in the database specially developed for microcurrent application. You can search for these by searching for “FSM” in the search box. Type “FSM” in the search box and click the magnifying glass button. FSM stands for “Frequency Specific Micro-current”. You will then see all the programs which have FSM in their name or description.

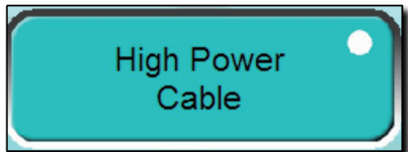
Micro-current treatments are safe and recommended for treatments above the shoulders.

Note

Low-power mode requires programs to be selected. When you press the Low Power button, the programs will transfer to MicroGen’s memory. MicroGen will immediately start running these programs.

Once the programs have completed, MicroGen will either loop back to the beginning or power off, depending on the loop mode selection.

High-Power Cable



You will notice that the dot in this button is white. This means the silver TENS cable should be used for high-power applications.

Note

High-power mode requires programs to be selected. When you press the High Power button, the programs will transfer to MicroGen's memory. MicroGen will immediately start running these programs.

Once the programs have completed, MicroGen will either loop back to the beginning or power off, depending on the run mode selection.

Run Modes

MicroGen can either continually loop the loaded frequencies, or power down after the Run Time has passed. You can choose between the two options by toggling a control button.

Continuous Loop Mode (default)



MicroGen will continuously loop the frequencies, and will only stop when you manually turn the power off. If you press this button, MicroGen will turn off when the treatment has completed one cycle.

Single Run Mode



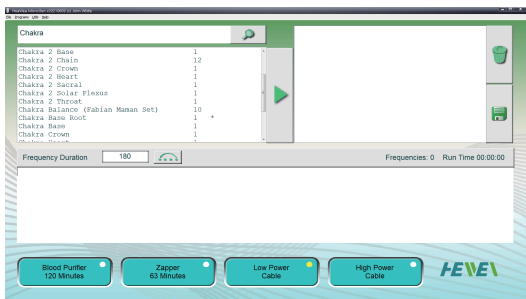
MicroGen will run the program, then turn off. If you press this button, MicroGen will return to the continuous loop mode.

Note

The same button changes icon in accordance to the selected mode. Continuous loop mode will show the top icon. Single run mode will show the bottom icon.

Searches

At the top of the screen, enter the text you wish to find, and press the magnifying glass icon. All programs which have the search text in their name or descriptions will be shown in the program listing. At the bottom of the screen, encyclopedia entries with the search text is shown. This is useful to learn more about a health condition.



Advanced Searches

The search box accepts wildcards '*' & '?' in the text.

? substitutes for a single character.

substitutes for a single digit.

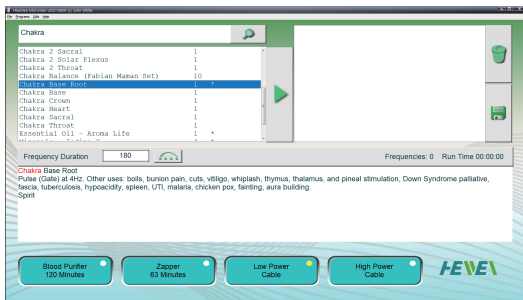
* substitutes for any number of characters, including none.

[xxxx] substitutes any character within the square brackets.

[!xxxx] substitutes any character not within the square brackets.

Note

When you use wildcards, MicroGen will apply very strict rules to the search. It is important to append the search string with '*' to find all relevant programs.

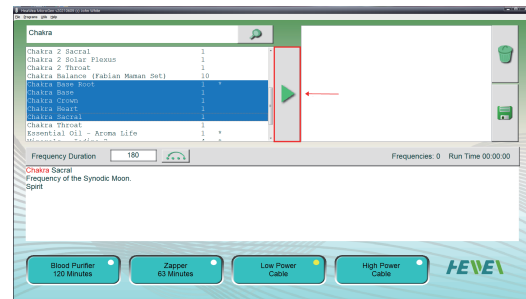


Selecting Programs

Both the Low-Power and High-Power buttons require programs to be selected first.

Double-click the program(s) you wish to load into MicroGen, up to the maximum of 1000 frequencies. Alternatively, you can select multiple programs with your mouse and press the transfer button.

You will see the selected programs copied to the box in the right of the screen.



Deselecting Programs

If you wish to deselect a program, double-click the program you wish to remove.

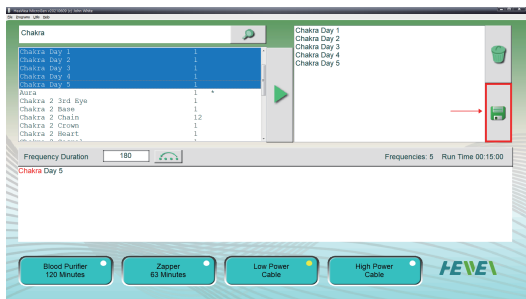
If you wish to deselect all programs, click on the trashcan button.



Creating Custom Programs

You can create your very own programs. This is useful if you often use the same set of programs or are sharing MicroGen between several people.

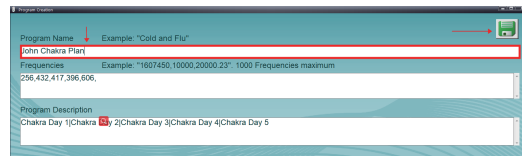
To create your own custom program, select the programs which you want to combine. Then press the “Disk” button.



The Program Creation screen will appear. The frequencies have been extracted and combined from the selected programs.

The names of each of the programs have been entered in the Notes for future reference.

All you have to do is give your custom program a name.



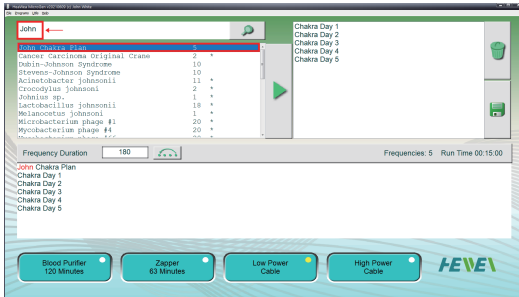
After the green disk button is pressed at the top right of the screen, confirmation is requested. Select “Yes”.



The program is then added to the MicroGen Custom database.

The databases are automatically reloaded.

The program you created will be displayed if you do a search.



You may have noticed that some programs have an asterix (*) next to them. This means that the program is a “preferred” program. These programs come from reputable sources and are more likely to return positive results.

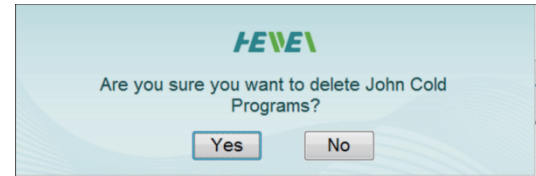
John Chakra Plan	5
Aura	1 *
Chakra 2 3rd Eye	1
Chakra 2 Base	1
Chakra 2 Chain	12
Chakra 2 Crown	1
Chakra 2 Heart	1
Chakra 2 Sacral	1
Chakra 2 Solar Plexus	1
Chakra 2 Throat	1
Chakra Balance (Fabian Maman Set)	10

The numbers show the number of frequencies in each program. Programs with a large number of frequencies will take longer to complete.

John Chakra Plan	5	
Aura	1	*
Chakra 2 3rd Eye	1	
Chakra 2 Base	1	
Chakra 2 Chain	12	
Chakra 2 Crown	1	
Chakra 2 Heart	1	
Chakra 2 Sacral	1	
Chakra 2 Solar Plexus	1	
Chakra 2 Throat	1	
Chakra Balance (Fabian Maman Set)	10	

Deleting Custom Programs

Highlight the program you wish to delete, then right-click. You will be prompted for confirmation.

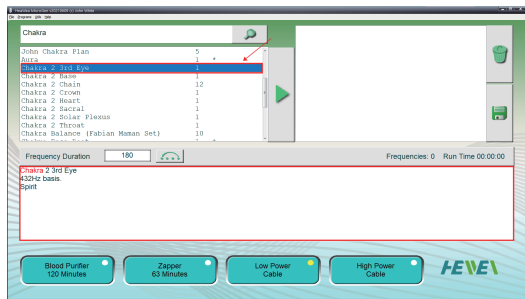


Note

Only custom programs (programs you have created) can be deleted. MicroGen will not allow you to delete factory database entries.

Program Notes

When you click on a program, the notes for the program are displayed. Please read these notes carefully. They will assist you to choose the best program for your condition(s).



Encyclopedia

The MicroGen encyclopedia is an offline reference tool to help you on your journey to good health. It contains 9169 articles, each covering different health conditions.

Clicking on a program invokes the MicroGen encyclopedia. If the program name is found in the encyclopedia, the article text is appended to the program notes

Frequency Duration

The length of time for the frequencies to be applied can be adjusted from the default of 180 seconds. If you want to run each frequency longer, you can choose a different duration. Remember that the units are in seconds. So 6 minutes is 360 seconds, and 10 minutes is 600 seconds. Increasing the frequency duration will increase the total run time.

Menu System

At the top of the screen is a menu, which provides more advanced options and presents the help file you are reading now.



Programs / New

Allows users to create a new program from scratch.

Program Name

Give your program a meaningful name so it can easily be found later.

Frequencies

Enter the frequencies of your choice. MicroGen cannot perform frequency sweeps or accept dwell commands in the frequencies field. Separate each frequency with a comma (.). The frequency field accepts some special characters:

Lx (Light Wavelength)

MicroGen lets you enter light wavelengths directly. Type L followed by your wavelength in nanometers (nm).

Mx (MW Factor)

'x' is the Monoisotopic Molecular Weight (g/ mol) which MicroGen will convert to a frequency.

Bx (Base Pairs Factor)

'x' is the number of Base Pairs within a genome. MicroGen will convert this to a frequency.

BLx (Linear Base Pairs Factor)

'x' is the number of Base Pairs within a linear genome. MicroGen will convert this to a frequency.

Examples of special characters

1607450,L654,M47219,B31342,BC31200,BL29954

The example line will transmit the following frequencies:
1607450 Hz

The frequency corresponding to a wavelength of 654 nanometers through air.

The frequency which will resonate a substance which has a molecular weight of 47219 g/mol.

The DNA frequency for a genome which has 31342 base pairs.
The DNA frequency for a circular genome which has 31200 base pairs.

The DNA frequency for a linear genome which has 29954 base pairs.

Note

The DNA databases in MicroGen do not contain frequencies. Instead, they contain genome information. MicroGen converts this data to frequencies on-the-fly.

Programs / Refresh

Updates the loaded databases.

Utils / Install Drivers

Installs (or reinstalls) the USB driver to your operating system.

Utils / Firmware Update Instructions

Explains how to update the MicroGen firmware. Firmware is a type of software which controls the MicroGen hardware. It is recommended to update the firmware to the latest version. Bugs may have been found in previous versions, or new features added.

Utils / Update Firmware

Performs a firmware update. Please read the instructions first.

Test Report

Provides useful information about the status of your MicroGen.



Tips & Tricks

Resetting MicroGen

Glitches happen in life. If MicroGen stops responding to computer commands, refuses to turn off, or behaves abnormally, insert a straightened paperclip into the reset hole. The computer inside MicroGen will be reset back to factory defaults.

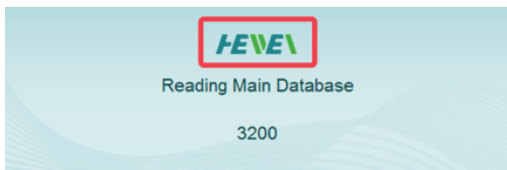
Note

After resetting, it is best to turn MicroGen off and back on. This reloads other running parameters.



Bypassing File Loading

Click on the 'HeaWea' logo to skip the database loading. The same logo also bypasses the loading of the encyclopedia.



Notes and Cautions

- Do not to pull the TENS cable when unplugging from the TENS pads or the MicroGen main unit. Pull the plug instead to avoid damage.

- Use Low Power Mode for treatments above the shoulders.

- Use Low Power Mode if you want to sleep during treatments.

- TENS pads are manufactured with a self-adhering gel.

Additional gel should not be used. Keep your TENS pads clean and dry at all times. Do not immerse TENS pads in water.

- Place the TENS pads on clean and dry skin. Do not use skin products.

- Do not use MicroGen during pregnancy or if you have a pacemaker, implanted pump, or suffer from seizures.

- Be cautious when using TENS pads on the head or over the heart. Stop treatment immediately if you feel any sensation or tingling.

- Frequency generation systems should NEVER be used while pregnant.

- Please do not operate MicroGen while driving or using dangerous machinery.

- Please keep MicroGen out of the reach of children.

- In general, it is best to experiment with MicroGen before about 5pm because the excitation effects of frequencies on human cells can affect sleep. However, depending on the nature of your experimentation, programs can be run overnight if desired.

- Finally, when experimenting with MicroGen or any other frequency generation system, proper hydration will produce better results. As a general rule, it's best to drink 4-8 pints of pure water daily, half of it before noon.

Transportation and Storage

General transportation is acceptable, but strong shocks, vibration, snow and rain exposure should be avoided in transportation.

The packed device should be stored in a well-ventilated room with no corrosive gases and humidity levels below 80% RH.

Warranty

MicroGen will be replaced or repaired for free within one year from the purchase date if found to be defective and used in accordance to the instructions.

Service and repair are provided after the warranty period. Material and shipping costs will be charged as appropriate.

The warranty does not cover:

- Damage caused by user negligence or product misuse.

(e.g., scratches, liquid damage, or unauthorized replacement of parts).

- Breakdown or damage caused by disassembling.
- Breakdown or damage caused by accident.
- Damage caused by natural disasters.

Specifications

Output channels: 1

Output signal type: Mono-phasic (DC) or Bi-phasic, Full Bridge.

Output Short Circuit Protection: Yes.

Protection Type: Current Limiting.

Maximum Output Current: 20 mA

Output frequency range: 1μHz ~2MHz

Maximum Frequency Resolution: 1μHz

Frequency Accuracy: ±5ppm @ 25 °C

Frequency Stability: ±10ppm/year @ 25 °C

Biphasic Voltage Output: 5 levels (10v, 20v, 30v, 40v, 60v)

DC Mode Voltage Output: 5 levels (5v, 10v, 15v, 20v, 30v)

Amplitude Maximum Limits:

60V@1μHz~200kHz

40V@200kHz~500kHz

30V@500kHz~1MHz

20V@1MHz~2MHz

Thanks and Acknowledgment

This User's Manual contains information provided by many users. We would like to give a special thanks to the following contributors:

Chaffee Cline

Suzi Smith

Judy Buduccio

Siddheshwar Chopra

Simcha Joy

The manual is an evolving document. If you see errors or omissions, you too can help by contacting us.

