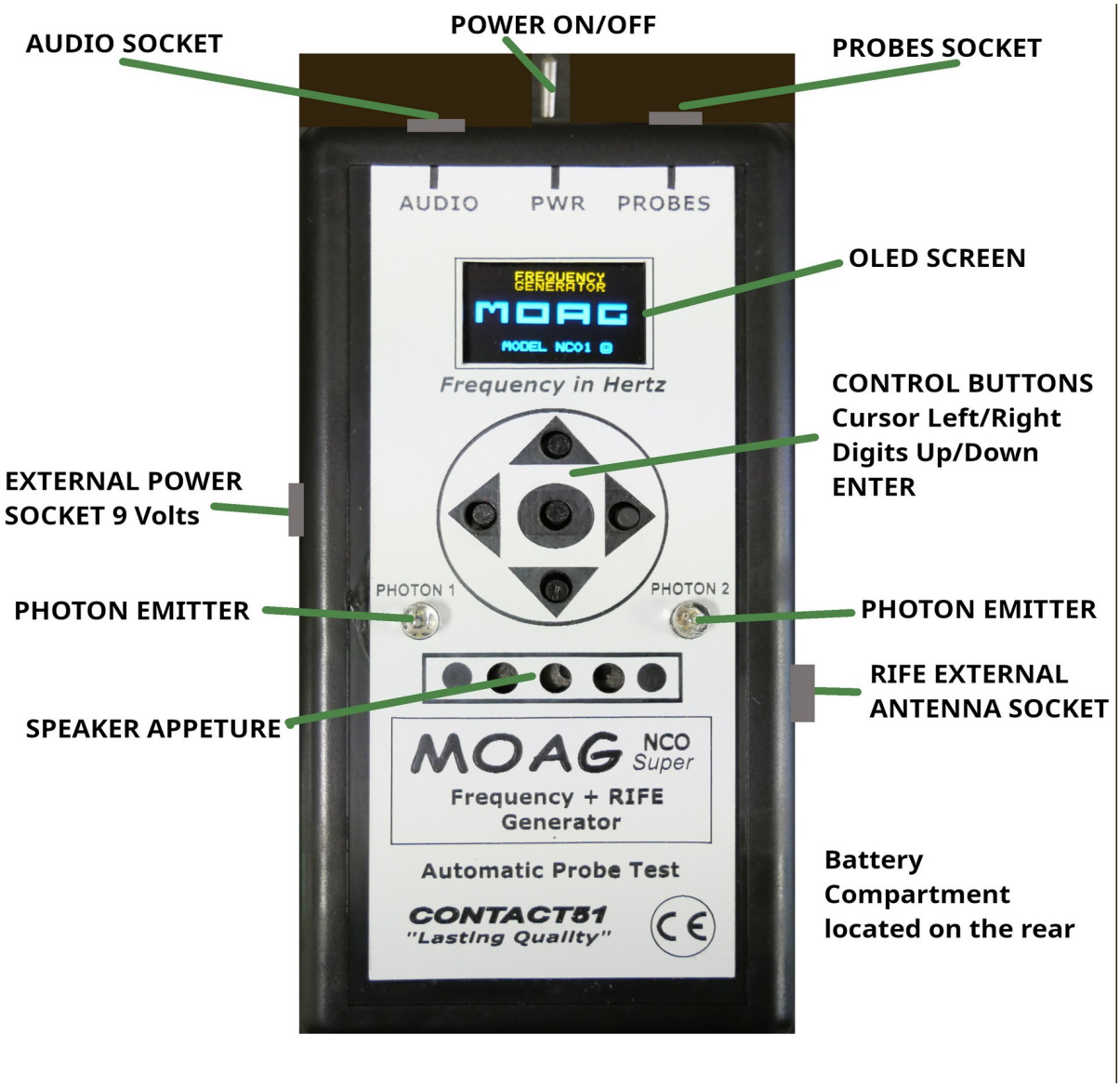
MOAG NCO

Dedicated Multi Frequency Generator

Model NCO Super - MKI

Rev 1.0 2025



OPERATION and INSTRUCTION MANUAL

E&OE

OPERATION

Upon first unpacking, remove the battery cover located on the back of the generator by sliding it downwards.
Install a 9 volt PP3 battery, or connect by an external 9 to 12 volt DC power source via the DC socket located on the left of the generator.

Turn the generator ON using the ON/OFF switch located on the top centre.
On powering up the a tone will sound and the OLED display will illuminate displaying the MOAG logo for three seconds.

After the introduction tone the operating screen in the Frequency Generator mode is displayed, with the last user selected frequency loaded.

The MOAG NCO generator provides frequencies from 1 to 29,999 Hertz, and a number of options and functions as described below.
All functions are selected using the arrow keys on the front panel.

A quick operation reference is provided on the back of the unit.

The frequency as set by the user is available as an output on all four modes, Probes, Audio, Rife and Photon. These modes can be turned ON or OFF and used individually or as any combination as follows:

Probes: The output to the probes is constant while the probes are plugged in.
Audio: Built in low level loud speaker is selectable. The audio output socket remains ON permanently
Rife: Can be selected and turned ON/OFF using the arrow keys
Photon: Can be selected and turned ON/OFF using the arrow keys

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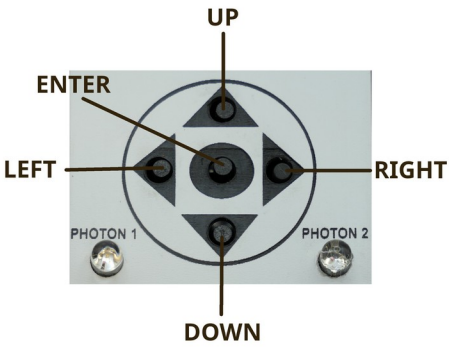
The ARROW KEYS

The Left and Right arrows control the position of the cursor. The Up and Down arrows control the digits.
A digit can be set between 0 and 9 when the cursor is placed under it, and the Up or Down arrow pressed.

Besides the digits, the cursor can also be placed under **P** or **M.** Place under P to store a set frequency into memory.
Place cursor under M to recall a memory.
The storing and recalling of memory is executed when the Enter key (centre of the four arrows) is pressed.

See detailed explanation below describing memories.



SETTING a FREQUENCY

Use the Left, Right, Up and Down arrow keys.

Example:
Set a frequency of 432 Hertz

1 Turn MOAG on and wait for operating screen

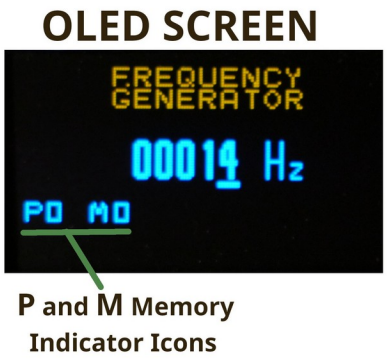
2 Use the Left/Right arrow keys to locate the cursor under the Units digit (extreme right digit)
3 Press and release Up arrow repeatedly until 2 is displayed at Units digit
4 Press Left arrow key once, to move cursor left under Tens digit
5 Press and release Up arrow repeatedly until 3 is displayed at Tens digit
6 Press Left arrow key once, to move cursor left under Hundreds digit
7 Press and release Up arrow repeatedly until 4 is displayed at Hundreds digit

A frequency of 432 Hertz is now active.
In steps 3,5 and 7 above, the Down arrow key will also manipulate the digit value.

Use the steps above to set any frequency you want.

STORING and RETRIEVING MEMORY

Whenever a frequency is set, it is



automatically saved and stored into the Recall memory position. This means that when next you turn the MOAG on, that frequency will automatically be loaded and generated.

As well as the auto recall memory location, there are five user selectable memory slots you can use to save often used frequencies, thus saving you the time and effort setting up those frequencies again when you want to use them.

Example:
Lets say you want to store two frequencies for now, 1200 and 15600 Hertz.

Using the steps described previously above, set the frequency to 1200 Hertz.
Next move the cursor by using either Left or Right arrow keys to under the **P** on the OLED screen.

Press and release the Up arrow key until P1 is displayed (the digit 1 next to the letter P).
Now press the **ENTER** key, that's the one in the centre between the UP/Down/Left/Right keys.

After the Enter keys is pressed, **P0** is displayed.

Now move the cursor as necessary (Left or Right arrow keys) and set the next frequency to store, 15600 Hertz.
Once that is set, move the cursor back down to the **P** then with the Up arrow key select **2.**
NOTE: The Down arrow key can also be used, the value next to P will decrement instead of increment)..
Once 2 is displayed next to the **P** press the Enter key. **P0** is displayed.

You have now stored the frequencies of 1200 and 15600 Hertz into memory locations 1 and 2 respectively.

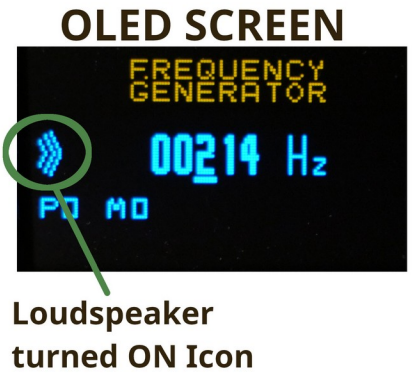
To test your savings, turn the MOAG off. Turn it back on again – whatever frequency you were using before will be recalled automatically.

Move the cursor to under to **M** then Up arrow key to place a **1** next to the **M –** then press **ENTER**
As we had saved a frequency of 1200 in memory located 1, that frequency is recalled and loaded into the MOAG, and 01200 Hz is displayed on the OLED screen.

Repeat the steps above to recall **M2** and the frequency of 15600 Hertz that you stored in location 2 will similarly be recalled and set.

The frequency that is displayed on the screen is now available to be used on the Probes, Audio, Rife and Photon emission.

AUDIO



To turn the internal built-in speaker ON and OFF, follow these steps.

Set your frequency. Be aware, that the human ear is limited in the range of frequencies it is capable of hearing. This varies between people, due to a variety of reasons, age and health being the most common.

As one age increases, so does their audible frequency range diminish. A young healthy individual will be capable of hearing up to 20,000 Hertz, whereas a person above and older that sixty might only be able to hear up to 5000 Hertz.

For this example, set a frequency of 800 Hertz, as most people will hear this pitch.

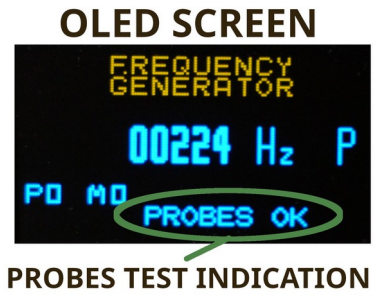
Use the **Up** arrow key and **Enter**. Press both these keys together and the internal low level speaker will turn ON.
To turn it **OFF** again do the same, press **Up** arrow and **Enter** together.

An Icon is displayed on the OLED screen when the internal speaker is turned ON.

Once set, this audio signal is available for connection to an external amplifier by using the socket located on the top labelled **Audio**.

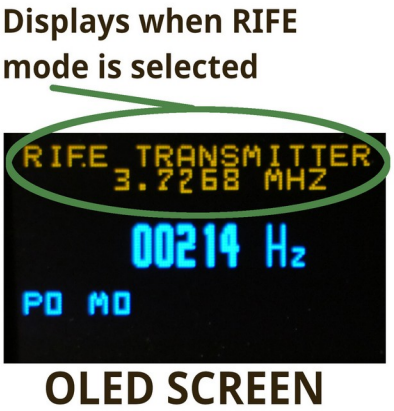
PROBES
Irrespective of all settings, the probes remain active unless unplugged.
All functions still operate when the probes are unplugged.

PROBE OUTPUT TEST



It is important to know that the hand held copper probes are in good condition and working correctly.
Probes are the one piece of equipment that is prone to be moved around a lot, therefore the cable from the probes to their plug can possibly fracture over time, this is usually at the cable entry to a probe or at the probe plug on the end of the cable.
If there is a break in the cable, it is very possible that the user will not become aware of a probe not providing the frequency into the users hands.
To ensure that the probes are in good working order a Probes Test Function is provided. This function is automatic and does not require any settings.
While a frequency is set in the MOAG, all the user has to do is place the two copper probes together. When they touch together and if the probes are in good working order, a **PROBES OK** message will be displayed on the OLED screen.

RIFE



A socket is located on the right side of the
MOAG. This is the A**ntenna** socket, a standard Banana type. A one metre wire antenna is supplied with the MOAG. The supplied wire antenna has a banana plug on one end with a crocodile clip on the other.

After plugging in the antenna, attach the other end to any non metallic object using the crocodile clip, so as to keep the wire raised off the ground**.**

Set a frequency that you want to transmit on the MOAG using the frequency setting steps described previously above.

Use the **RIGHT** arrow and **ENTER** keys. Pressing them both together will turn the Rife function ON. This will be displayed on the top of the OLED screen.

When turned ON a radio transmission takes place on a frequency of 3.7268 MHz which is further modulated by the frequency set on the MOAG.

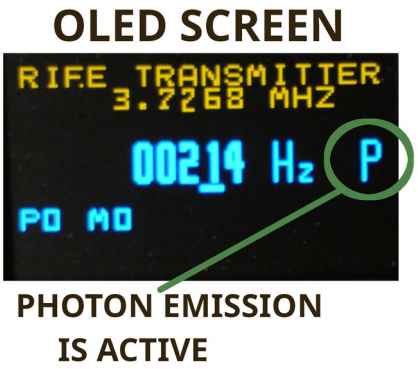
This means that the wellness frequency set on the MOAG is carried through the airwaves (radio waves) by the carrier frequency of 3,7268 MHz.

Radio waves have the ability to penetrate most things, thereby carrying the selected wellness frequency deeply into the target.

To turn the Rife mode OFF, repeat the steps pressing the **RIGHT** arrow and **ENTER** keys.

The Rife transmission has a range of up to approximately 100 metres, depending on terrain and environment. This transmission is more than enough to fill an average size room.

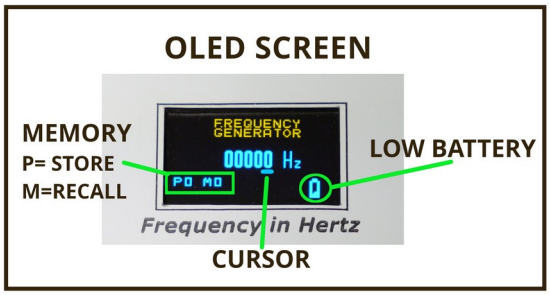
PHOTON EMISSION



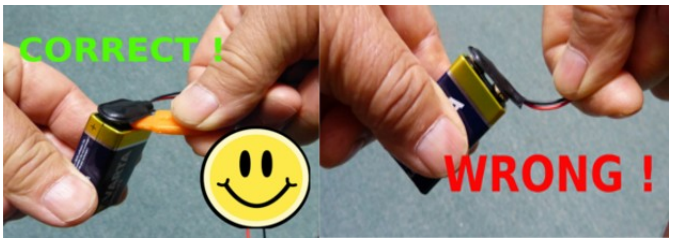
Two Photon Emitting devices are located on the front panel. **RED, GREEN** or **BLUE** emission can be selected.
They can be activated at any time by pressing the **LEFT** and **RIGHT** arrow keys together.
There are three colours to choose from, Red, Green and Blue.
Upon the first press of the LEFT and RIGHT arrow keys the RED photons will turn ON
Upon the second press of the LEFT and RIGHT arrow keys the GREEN photons will turn ON
Upon the third press of the LEFT and RIGHT arrow keys the BLUE photons will turn ON
Upon the forth press of the LEFT and RIGHT arrow keys the photons will turn OFF

The Photon emissions are modulated by the frequency set in the MOAG.

LOW BATTERY
If the battery becomes low the MOAG NCO will display a Low Battery icon on the OLED screen.
This indicates that the battery is beginning to die, and that you should consider replacing it.
A replacement 9 volt PP3 battery will ensure full power output.



NOTE: Never pull the wires on the battery clip to remove it. Use the Clip Remover tool supplied to pry it off!



SPECIFICATION:
Size: 140(H) x 70(w) x 25(D) millimetres
Weight: < 120g excluding probes
Power: 9v Dry cell battery (PP3) or 9v external power adaptor - not supplied
Probes: 2 x 6mm x 100mm copper
Probes Leads: ~1.0 metre with 3.5mm jack plug
Output: Probes - Modified waveform 4v p-p @ 20mA maximum
Output: Built in speaker <20dBA against zero background < 1M
Output: Audio 1.4v p-p/ 1K ohm Stereo via 3.5mm jack socket
Frequency Range: 1 ~ 29,999 MHz
Frequency tolerance: +/- <0.4%
Rife RF Frequency: 3.2768 MHz (AM carrier frequency)
Photon Emission: RED 700 nm + modulation
GREEN 520 nm + modulation
BLUE 460 nm + modulation

Maintenance:
Besides changing the battery, there are no user serviceable components or parts that require attention.
The unit can by wiped over with a damp cloth occasionally to remove any stains. Wipe dry afterwards.
Clean the copper probes occasionally to ensure good contact. If a probe output test fails, clean the probes with a suitable polish.
CAUTION: The OLED screen is glass and will crack if excess force is applied to it. Treat it with care.
CAUTION: Never look directly into the Photon Lights

NOTES:
Using this equipment is the sole responsibility of the user to ensure that it is used in a correct and responsible manner.
This equipment is not intended for medical purposes. Refer all medical conditions to a trained medical professional.
Contact51 are equipment manufacturers and not practitioners, therefore unable to provide usage advise.