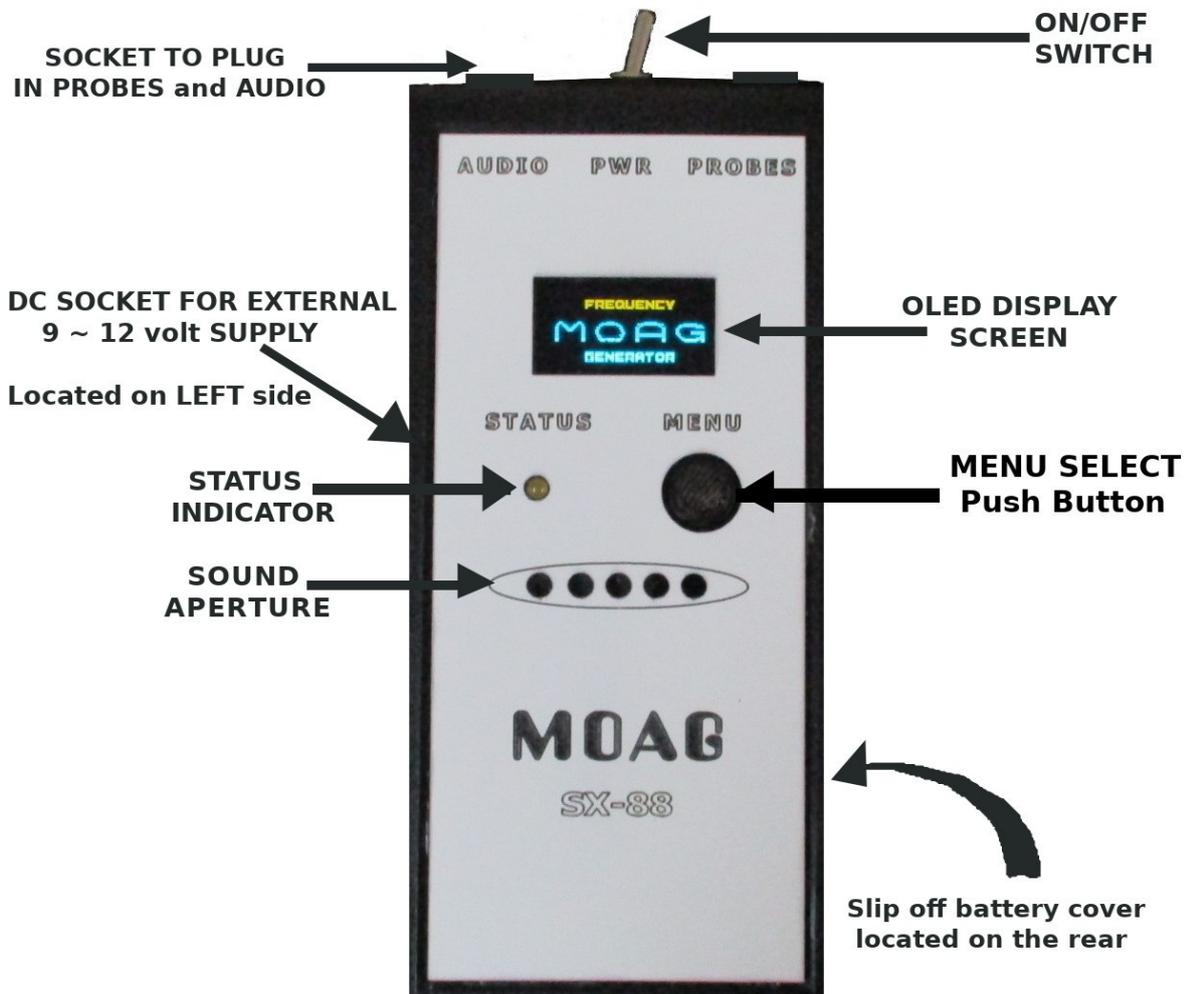


MOAG

Dedicated Multi Frequency Generator

Model SX-88

OPERATION and INSTRUCTION MANUAL



OPERATION

Upon first unpacking, remove the battery cover located on the back of the generator by sliding it downwards. A Probe Tester is packed in the battery compartment – remove it. Install a 9 volt PP3 battery, or insert 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 OLED display will illuminate. If left in this position the display will dim after 3 seconds, this is a battery saving feature.

The MOAG generator provides 8 frequency options as well as a frequency scanning option. These options are selectable via the MENU button located on the front panel. Each press on the MENU button will increment to the next frequency. The ninth press will start the scan mode, which is indicated by the STATUS light flashing. The tenth press will display the model number and software version information. The eleventh press reverts back to the start screen.

All 8 frequencies as well as the frequency scan option are available as PROBE output as well as an output to and external amplifier. These are accessible by way of the two 3.5mm mono jack socket outlets located on the top of the generator. Each socket is labelled accordingly.

A built in speaker provides a low level audible output of the selected frequency. The speaker is turned ON and OFF by holding the MENU button in for 4 seconds while the generator is turned on. Upon turning the speaker ON or OFF the frequency will increment, meaning that the desired frequency will need to be selected again by scrolling through using the MENU button.

SCAN MODE

When in SCAN mode, the 8 frequencies will be scrolled through automatically once every 30 seconds, continuously until another option is selected via the MENU button.

LOW BATTERY

If the battery becomes depleted the MOAG will turn off and display the message “LOW BATTERY”. Replace the battery.

Probe Output Tester

Connect probes and turn generator on. Lay the probes next to each other. Place the two wire legs of the tester onto the probes. If the tester does not illuminate, then rotate the tester and connect to probes again. The tester will light up in one rotational direction only, this is correct. A video clip showing the use of the tester can be found on our website at www.contact51.com – select “Support” and “Using the Output Tester” from the drop-down menu.



SPECIFICATION:

Size: 140(H) x 70(w) x 25(D) millimetres

Weight: < 300g including probes

Power: 9v Dry cell battery (PP3) or 9v external power adaptor - not supplied

Probes: 2 x 6mm x 120mm copper

Probes Leads: 1.2 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 1v p-p/ 1K ohm via 3.5mm jack socket

Frequencies 7.83/111/396/417/528/639/741/952 Hertz

Frequency tolerance: +/- <0.4%

The unit is a micro-processor controlled frequency generator generating frequencies specifically at 7.83, 111, 396, 417, 528, 639, 741 and 952 Hertz.

Maintenance:

Besides changing the battery, there are no user serviceable components or parts that require attention.

The unit can be wiped over with a moist cloth occasionally to remove any stains.

CAUTION: The OLED screen is glass and will crack if excess force is applied to it. Treat it with care.

NOTE: Using this equipment is the sole responsibility of the user to ensure that it is used in a correct and responsible manner.