

# Operating Instructions

1. Before plugging the machine, the amplifier, and the frequency generator into the electric outlet, make sure that
  - the Amplifier ON/OFF switch is OFF
  - the Frequency Generator ON/OFF (Power) switch is OFF
  - the "AMPL" knob on Frequency Generator is turned fully counterclockwise
  - all Capacitor Switches (including BYPASS) are OFF
  - Channel 1 knob on the Amplifier is at 33.
  - Channel 2 knob on the Amplifier is at 33.
2. Plug the machine, the amplifier, and the frequency generator into a 120 V outlet (the power strip).
3. Turn on in this order
  - the Frequency Generator (Current Meter should stay at 0 at this point - if not go back to step 1)
  - Amplifier (Current Meter should stay at 0 at this point - if not go back to step 1)
  - coil cooling fan (red light in switch comes on when fan is running!)
4. Set desired frequency on Frequency Generator (see "Setting up the frequency generator").
5. Set Capacitance Switches according to frequency table.
6. Very slowly and carefully turn "AMPL" knob on Frequency generator clockwise until the Current Meter shows 15 A. DO NOT EXCEED 15A!  
(Below 150 Hz and above 2000 Hz, the current might not be able to reach 15 A.)
7. The coil machine is now operating.  
It is normal for the Amplifier to cycle on and off during operation.  
This is a built-in overheat-protection. You will hear the built-in cooling fan of the Amplifier run.  
When the Amplifier cycles off, the Current Meter will show 0. Again, this is normal.  
After some cooling, the Amplifier will turn back on by itself.  
If you are timing the use of the machine, count only the time when the Amplifier is on (Current Meter shows 15A).
9. BEFORE CHANGING FREQUENCIES, turn "AMPL" knob FULLY counterclockwise so that the Current Meter shows 0 amps.

**NEVER FLIP ANY CAPACITOR SWITCHES WHEN THE CURRENT METER SHOWS ANY VALUE OTHER THAN 0!**

10. Set all Capacitor Swithes (including BYPASS) to OFF
11. Continue from step 4 for new frequency.
12. To turn machine OFF
  - turn "AMPL" knob fully counterclockwise (Current Meter should show 0)
  - turn off Frequency Generator, Amplifier, and coil cooling fan
  - set all Capacitance Switches (including BYPASS) to OFF
  - unplug the machine, the amplifier, and the frequency generator (or the power strip).

Remark: It is recommended that you leave the coil plugged into the machine at all times.