

# Important Notice

Please, read the manual instructions and watch the Quick Start Video. Do not call unless you have already done this. Also please get a surge protector power strip so that both power supplies can be plugged into one 110 volt outlet. *Failure to do this will void your warranty.*

**GB-4000 Auto Channel Instructions:** If you have purchased the GB-4000 and have frequencies programmed into it, this is how you run the programmed channels. First check your programmed channels and see which channel you want to run. You will use the numerical number assigned to that channel. You will then press *Auto Channel* on the keypad, then press the assigned number using the keypad, and then press *Run*. The instrument will then run all the frequencies for that channel.

For an example to run channel number 160 all you would do is press Auto Channel, then press 160, then press Run. The instrument will run all the frequencies in that channel.

Please be aware that the instrument may go through one to six groups or up to 48 frequencies depending on how many groups or frequencies are in that channel number. G is for groups and F is for the number of frequencies that will be run. You will see this on the LCD. Each group or frequency will run for 5 minutes. If there are 4 groups or four frequencies it will take 5 minutes per group or 20 minutes to go through them all. When the instrument goes back to START you are finished with that channel number.

**Square wave Duty Cycle Instructions for those who own a GB-4000 and SR-4:** The default square wave duty cycle in “RF Mode” is set at 70% and should remain there unless you understand how it works and why you want to change it. The period or decimal point button is for changing this duty cycle. If you do change the square wave duty cycle to a higher percentage then you should use gating. The default gating for those who do not own a MOPA should be set at a 1000 Hertz gate rate with a 75% gate duty cycle. The “Gate” duty cycle is not the same as the square wave duty cycle and can be accessed by pressing the “Gate” button on the keypad. See the GB-4000 operational manual and DVD for more information.

**Square wave Duty Cycle Instructions for those who own a GB-4000 and MOPA:** For those who own a MOPA the GB-4000 should be put in “Audio Mode” using the “RF/Audio” button on the keypad. The default square wave duty cycle should be set at 90% and should remain there unless you understand how it works and why you want to change it. The period or decimal point button is for changing this duty cycle. If you do change the square wave duty cycle to a lower percentage then you will notice the power level will also drop. Gating is optional. Gating is just an additional pulsing of the frequencies. The default gating for those who own a MOPA should be set at a 1000 Hertz gate rate with a 50% gate duty cycle. The “Gate” duty cycle is not the same as the square wave duty cycle and can be accessed by pressing the “Gate” button on the keypad. See the GB-4000 operational manual and DVD for more information.