New Software Features

The GB-4000 has some new software features which have been added to the new Quick Start Video. Please read this paper.

1. Mute beeper feature: The new Mute feature mutes the beeper while the instrument is running. Sometimes people do not want to hear the beeper when they are using the GB-4000. To use the new mute feature all you have to do is push the number 4 after the channel starts running and it will mute the beeper until the channel stops running.

2. Skip group or frequency feature: The new Skip feature allows you to skip a frequency group or a frequency. Sometimes you may have to stop running a channel before you are able to finish it. This feature allows you to skip ahead to the group or frequency that you were running when you had to stop the program. To use this skip feature all you have to do is push the number 6 after a channel starts running and it will allow you to skip a frequency group or a frequency.

3. Save Gating to a channel feature: The Save Gating to a channel feature allows you to save the Gating feature to a channel. There are some channels that always use gating. This feature allows you to save it to a channel so that you do not have to turn it on every time you use the channel. To use this feature you press the Gate button. You will be given four options. Choose number 4. The LCD will display "Auto Channel". Enter the auto channel number in which you want the gating to always be turned on. Then press the Enter button and the GB-4000 will save that setting. To un-save this setting in a channel repeat this same procedure.

4. Variable Channel Sweep: The new Variable Channel Sweep allows you to choose a sweep range from 10 Hertz to 10000 Hertz. If you have a frequency in a channel of 2000 Hertz and you decide that you want to use a 300 Hertz channel sweep then the sweep will start at 1850 Hertz and stop at 2150 Hertz. This same 300 Hertz sweep range will be done for every frequency which is programmed in the channel. This same sweep can also be used with an individually run frequency. To use this feature press the Channel Sweep button. Then enter, using the keypad, the frequency range you want to use. Then press the Enter button and the instrument will go back to Start. Then press the Auto Channel button and enter the auto channel you want to run. Then press run. The instrument will then vary the frequencies by the amount of the channel sweep range you chose to use.

5. RF/Audio mode save feature: The GB-4000 originally defaulted into RF Mode. Even when the user put it into Audio Mode, when the instrument was turned off it would default back into RF Mode. Now with the new save feature, the GB-4000 will stay in the Mode that you put it in. This feature is of more importance to those who have a M.O.P.A because the GB-4000 must always be put into audio mode to work properly with the M.O.P.A.

6. One Hundredth of One Hertz resolution: The GB-4000 originally had only a 1/10th of a Hertz frequency resolution (2000.7 Hz). This has now been changed to 1/100th of a Hertz resolution. This means that you now have two number entries after the decimal point in stead of only one (2000.79 Hz).