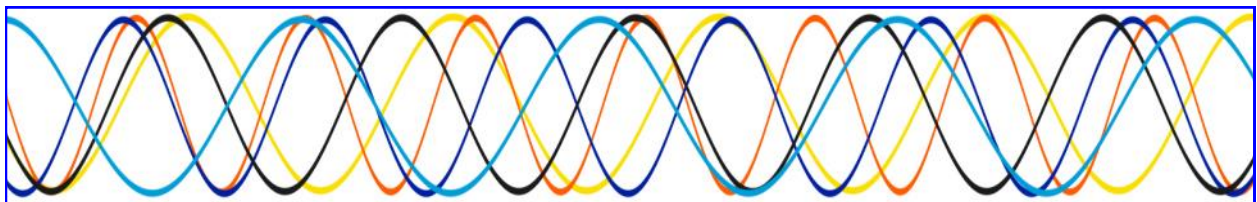


# GB-4000 / SR-4 Specifications



# Technical Specifications



## GB-4000

## SR-4

<b>RF OR EM METHOD</b>	RF Method. Used in original machines.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>FREQUENCY RANGE IN HERTZ</b>	20,000,000 MHz. (1 to 20 million Hertz)	20,000,000 MHz. (1 to 20 million Hertz)
<b>MODULATION FREQUENCY RANGE</b>	1 to 400,000 Hertz.	1 to 400,000 Hertz.
<b>RF CARRIER SINE WAVE</b>	Fixed 3.1 MHz. (3,100,000 Hertz)	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>DIGITALLY PRODUCED ANALOG FREQUENCIES</b>	All frequencies are converted to analog before they are output from the generator.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>GREATEST POWER ABSORPTION RANGE</b>	Direct contact.	Direct contact.
<b>POWER OUTPUT LEVEL</b>	Variable, 2 modes. Audio Mode 0.75-watts. (38 VPP) RF Mode 4.7-watts. (115 VPP) The user has complete control over the output intensity.	Variable 1-watt to 15-watts in RF Mode.
<b>AUDIO CONTACT METHOD</b>	Electrodes (Metal hand cylinders, footplates)	Electrodes (Metal hand cylinders, footplates)
<b>RF CONTACT METHOD</b>	Electrodes (Metal hand cylinders, footplates)	Electrodes (Metal hand cylinders, footplates)



**GB-4000**



**SR-4**

<b>OUTPUT FRACTIONAL FREQUENCIES</b>	0.01 resolution. A higher resolution is only needed by lower frequency range instruments.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>OUTPUT SINGLE FREQUENCIES</b>	YES	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>OUTPUT AUDIO FREQUENCIES</b>	YES	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>MULTI-SIGNAL OR RUN MULTIPLE AUDIO FREQUENCIES SIMULTANEOUSLY</b>	The only instrument capable of running 1 to 8 frequencies simultaneously to 40,000 Hertz without frequency degradation. One other company can run 3 frequencies but you have to purchase 2 additional generators at \$1200 each.	Running up to 8 frequencies simultaneously makes it up to 8 times faster to use than any other instrument. Why waste your time running one frequency at a time when you can run up to 8 frequencies at a time. It's like getting 8 frequency generators for the price one.
<b>OUTPUT MULTIPLE RF FREQUENCIES SIMULTANEOUSLY</b>	2 RF frequencies from 40,001 Hertz to 20 MHz. (40,0001 to 20 million Hertz)	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>ADDITIONAL POWER TO RUN SIMULTANEOUS FREQUENCIES</b>	With its 4.7-watts output, it is 47 times more powerful than the 1/10th (0.10) of 1-watt power level used by our competitors.	Up to 15-watts.
<b>PROGRAMABLE CHANNELS</b>	2,000 of which 888 are pre-programmed. Over 8,000 frequency sets are available.	Outputs whatever channels the GB-4000 outputs when connected to it.
<b>RUN PROGRAMED CHANNELS CONSECUTIVELY</b>	2 to 10 can be daisy chained to run one after another for over night use.	Outputs whatever channels GB-4000 outputs when connected to it.
<b>DISPLAYS ACTUAL FREQUENCIES</b>	YES	NO
<b>WAVEFORMS</b>	Square, Pulsed Square Width, Sine and Hoyland.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.



**GB-4000**



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<b>OTHER WAVEFORMS</b>	Additional waveforms such as Triangle, Trapezoid, Ramp Up and others are unproven waveforms never used in the original instruments. Therefore we do not use them.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>SQUARE WAVE DUTY CYCLE</b>	Variable from 10% to 100%.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>GATING OR PULSING</b>	1 to 5000 Hertz covering the full 20 million Hertz frequency range of the GB-4000.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>GATING OR PULSING DUTY CYCLE</b>	Variable from 10% to 90%.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>FREQUENCY SWEEPS WITH USER DEFINED RANGES</b>	1 to 20 MHz. (1 to 20 million Hertz)	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>CONVERGE SWEEPS WITH USER DEFINED RANGES</b>	2 frequency sweeps with the start frequency sweeping to the end frequency and the end frequency sweeping to the start frequency. (Range 1 to 20 million Hertz)	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>CHANNEL SWEEPS</b>	2 to 20,000 Hertz. Works within channels or with single frequencies.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>HARMONIC SIDEBAND FREQUENCIES 20 TO OVER 100 SIMULTANEOUSLY</b>	YES	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>SIDEBAND SWEEPS 20 TO OVER 100 SIMULTANEOUSLY.</b>	Only at the Fixed RF 3.1 MHz carrier. Sideband range from about 2.6 to about 3.6 MHz.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.



**GB-4000**



**SR-4**

<b>PRODUCES HARMONICS</b>	Square wave, Sideband and mixed high frequency harmonics.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>OUTPUT ALL RIFES FREQUENCIES DIRECTLY</b>	We produce them directly instead of through harmonics like some limited frequency range instruments do.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>OUTPUT 1950s AUDIO FREQUENCIES</b>	1 Hertz to 2200 Hertz.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>OUTPUT 1930s AUDIO FREQUENCIES</b>	1 Hertz to 42,500 Hertz.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>OUTPUT 1930s RF FREQUENCIES</b>	139,200 Hertz to 1,607,450 Hertz.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>OUTPUT RIFE / HOYLAND 1936/1939 FREQUENCIES</b>	About 2.7 MHz to 3.4 MHz range. These are higher octave frequencies of the 139,200 to 1,607,450 range.	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>OUTPUT 1920s FREQUENCIES</b>	4 MHz to 20 MHz. (4 million to 20 million Hertz)	Outputs whatever the GB-4000 outputs from 1 to 15-watts in RF Mode.
<b>FREE SOFTWARE TO CREATE AND UPLOAD CUSTOM PROGRAMS</b>	YES	N/A
<b>MORTAL OSCILLATORY RATE (MOR)</b>	<p>With the GB-4000 &amp; SR-4, these frequencies can be produced in four ways.</p> <ol style="list-style-type: none"> <li>1. Directly which is the best method.</li> <li>2. Mixing two frequencies to produce harmonics.</li> <li>3. Through harmonic sidebands like the original 1936/1939 machine did but only with the SR-4 with 15-watts because this power level is needed.</li> <li>4. Through square wave harmonics using low audio frequencies that work very well for many different things. But when a low audio frequency under 30,000 Hertz is used the harmonics will not reach the higher RF ranges as many instrument builders claim. This method is promoted to work just as well as the other 3 methods because it is the easiest circuit to build. But it is also the least efficient way to try and produce the original high frequencies.</li> </ol>	



**GB-4000**



**SR-4**

<b>FACTORY TESTED AND CALIBRATED</b>	YES	Tested to make sure the GB-4000 output frequency is the same frequency output from the SR-4.
<b>MANUFACTURED</b>	Built in the U.S.A. by AAA Production Inc., to our high-quality standards.	Same as GB-4000.
<b>PROVEN DESIGN</b>	Solid-state electronics.	Same as GB-4000.
<b>SIZE AND WEIGHT</b>	8" W X 9.5" L X 4" H. 2 pounds.	8" W X 9.5" L X 4" H. 2 pounds.
<b>POWER USAGE</b>	<p>The GB-4000 power usage is approximately 25 watts and uses two 9 volts 1.6 amp. switching (110/220 volts AC) power supplies.</p> <p>The SR-4 1 to 15-watt amplifier power usage is approximately 40 watts and uses one 24 volts 2.5 amp switching (110/220 volts AC) power supply.</p>	
<b>YEARS IN BUSINESS</b>	AAA Production Inc. has been in business for over 24 years. The GB-4000, SR-4 15-watt amplifier and M.O.P.A. plasma tube amplifier are the results of our 24 years of extensive work in this field.	
<b>LIFETIME LIVE SUPPORT</b>	Our instruments come with unlimited lifetime support for both new and used machine owners. Most companies only offer unlimited lifetime support for original owners of their equipment, but we believe in helping everyone. We are only an email or phone call away.	
<b>WARRANTY</b>	We have a standard 2-year parts and labor warranty. The customer pays for shipping to the manufacturer. The manufacturer pays for FedEx return shipping within the 50 States. For those that are outside of the U.S.A, we credit the cost of FedEx shipping to the shipping cost outside of the U.S.A.	
<b>HALF PRICE REPLACEMENT WARRANTY</b>	At any time after the 2-year warranty has expired, if an instrument circuit board cannot be repaired by our company, we will replace the circuit board for half the price of a new instrument. This includes all previous models. No other company has the confidence to offer this type of warranty. We stand behind our products and believe in taking care of our customers for life.	
<b>60 DAY MONEY BACK GUARANTEE RETURN POLICY</b>	We offer a 60-day money-back guarantee less a 10% restocking fee to cover shipping, handling, and repackaging. Returned equipment must be in original new condition and sent back in the original boxes.	
<b>AVAILABILITY</b>	By email or phone, Monday through Friday. Also after hours by appointment for those who need it. See email address and phone number on cover page.	