

# **Stimkit II**

# **“The Pulsar”**

## **General User Information**

**Makers of old school analog E-Stim Powerboxes  
with a touch of Steampunk!**

## **Introduction:**

The Pulsar is an erotic "Electro-stimulator" powerbox that outputs frequency specific pulse wave signals. User adjustable internal oscillators provide the stimulation frequencies which completely eliminate the need for any external signal sources. The Pulsar is completely self contained and does not require any special media players, software players or proprietary control software of any kind.

The Pulsar is powered by 6 standard AA batteries. Best performance is achieved with the use of rechargeable Nickel-metal Hydride (Ni-MH) batteries. In testing, battery life of up to 6 hours has been reported using batteries having a rating of at least 2000mA/hr. Bear in mind however that battery life is a function of many variables having to do with your basic use. Best to start with a freshly charged set of batteries and a fully charged back-up set for the "just in case".

**MAIN FEATURES:** Both Channels A/B are identical.

**FREQUENCY RANGE:** ~1 to 1,500 Hz

**PULSE WIDTH:** ~50uS to 150uS.

**INTERMITTENT DELAY:** ~5 seconds to 30Hz.

**LEAD REVERSE:** Switchable, reverses the output leads to the channel electrodes.

## **FRONT PANEL CONTROLS**

### **FREQUENCY:**

Sets the output frequency of the respective channel and is continuously variable. Fine adjustments is provided via a multi-turn control making it easy to "home in" on just the right frequency.

### **PULSE WIDTH:**

Sets the duration of the frequency pulse to the output amplifier. A shorter/narrower pulse has been compared to the feeling of a mild "tickle" whereas a longer/wider pulse has been compared to the feeling of a hard "throb". This is because the wider the pulse the more energy is injected into the output amplifier.

### **INT DELAY:**

The Intermittent Delay function controls the output signal of the corresponding channel by continually turning it on for a set period of time and turning it off for an equal period of time. The delay period is from approx. 5 seconds on/5 seconds off to 33mS on/33mS off or 30Hz.

### **INT OUTPUT:**

The Intermittent Output switch turns the Intermittent output function ON/OFF. In the OFF position the output of the Pulsar is continuously on.

### **OUTPUT INTENSITY:**

Output Intensity sets the amplitude or "strength" of the output signal. The amplitude of the output signal is also a function of the PULSE WIDTH setting because the shorter the input pulse is to output amplifier less energy is available to be amplified.

### **LEAD REVERSE:**

The Lead Reverse Switch "swaps" the channel leads on the electrodes.

### **POWER:**

Plain old ON/OFF switch turns it on turns it off- all pretty self explanatory

### **TRI-PHASE USE:**

The channels on the PULSAR are electrically isolated from each other and from the power source via custom output drive transformers. This isolation design makes The Pulsar capable of using it in "Tri-Phase" mode with our custom Tri-Phase cable set. The Tri-Phase connection opens up an entire new realm of hook-up possibilities and sensations. The LEAD REVERSE switches can be used in any combination you like. hen click "Connect".

## **PLAY SAFE: Keep ALL electrical play below the waist.**

**There are many resources outlining the generally accepted basic rules for safe electrical play available on the internet. Also, please read the following section.**

The following information is copied from the [FDA Guidance Document for Powered Muscle Stimulator 510\(k\)s](#). This IS NOT medical advice nor is it to be considered as medical advice. It is merely the most authoritative thinking on the safe use of these types of devices.

### CONTRAINDICATION

Powered muscle stimulators should not be used on patients with cardiac demand pacemakers.

### WARNINGS

1. The long-term effects of chronic electrical stimulation are unknown.
2. Stimulation should not be applied over the carotid sinus nerves, particularly in patients with a known sensitivity to the carotid sinus reflex.
3. Stimulation should not be applied over the neck or mouth. Severe spasm of the laryngeal and pharyngeal muscles may occur and the contractions may be strong enough to close the airway or cause difficult in breathing.
4. Stimulation should not be applied transthoracically in that the introduction of electrical current into the heart may cause cardiac arrhythmias.
5. Stimulation should not be applied transcerebrally.
6. Stimulation should not be applied over swollen, infected, or inflamed areas or skin eruptions, e.g., phlebitis, thrombophlebitis, varicose veins, etc.
7. Stimulation should not be applied over, or in proximity to, cancerous lesions.

### PRECAUTIONS

1. Safety of powered muscle stimulators for use during pregnancy has not been established.
2. Caution should be used for patients with suspected or diagnosed heart problems.
3. Caution should be used for patients with suspected or diagnosed epilepsy.
4. Caution should be used in the presence of the following:
  - a. When there is a tendency to hemorrhage following acute trauma or fracture;
  - b. Following recent surgical procedures when muscle contraction may disrupt the healing process;
  - c. Over the menstruating or pregnant uterus; and
  - d. Over areas of the skin which lack normal sensation.
5. Some patients may experience skin irritation or hypersensitivity due to the electrical stimulation or electrical conductive medium. The irritation can usually be reduced by using an alternate conductive medium, or alternate electrode placement.
6. Electrode placement and stimulation settings should be based on the guidance of the prescribing practitioner.
7. Powered muscle stimulators should be kept out of the reach of children.
8. Powered muscle stimulators should be used only with the leads and electrodes recommended for use by the manufacturer.
9. [FOR PORTABLE DEVICES ONLY]: Portable powered muscle stimulators should not be used while driving, operating machinery, or during any activity in which involuntary muscle contractions may put the user at undue risk of injury.

### ADVERSE REACTIONS

Skin irritation and burns beneath the electrodes have been reported with the use of powered muscle stimulators.

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