

## Corrections and Suggestions on Running the Plasma Ball

The most ***IMPORTANT CORRECTION is 20% 'Duty Cycle'*** as the new suggested ***MAXIMUM*** for **Channel 1, the left primary channel, on the 6" Plasma Ball.**

**Background:** The typical default frequency before modification on the typical 6" Plasma Ball is approximately 29 KHz with a 'Duty Cycle' of 30%. What was subsequently discovered was that the Plasma Ball dynamic range is so large, approximately 500 Hz to 50 KHz, that there are better and safer 'Duty Cycles' when controlled by a Function Generator like the Spook or FeelTech units. Additionally, the lower the operating frequency the lower the 'Duty Cycle' should be.

### Guidelines:

|                      |                                   |
|----------------------|-----------------------------------|
| 500 Hz to 5000 Hz    | Suggested 'Duty Cycle' equals 5%  |
| 5000 Hz to 15000 Hz  | Suggested 'Duty Cycle' equals 10% |
| 15000 Hz to 20000 Hz | Suggested 'Duty Cycle' equals 15% |
| 20000 Hz to 50000 Hz | Suggested 'Duty Cycle' equals 20% |

**Gating:** For low frequencies 'Gating' should be used. However 'Gating' can be used for any frequency up to  $\frac{1}{2}$  value of the Primary Frequency. Additionally, 'Gating' can be used as a way of running the Plasma Ball with a single channel of the employed Function Generator. The 'Gating' channel is the right Black connector on the Plasma Ball. The right Switch in the Down Position makes the Plasma Ball only respond to the Primary left RED input. The right Switch in the Up Position makes the Plasma Ball turn on and off at the input frequency coming from a second channel off the Function Generator. NOTE: also could be a single primary channel from the Function Generator as defined in Example 2. Middle position is the OFF position.

Example 1:

4 Hz, 7.83 Hz, 14.12 Hz, 432 Hz, 528 Hz used as the 'Gating' input while the Primary, Channel 1 switch is in the down position. A single Function Generator channel is used to 'Gate' the Plasma Ball on and off at the desired Frequency.

Example 2:

432 Hz, used as the 'Gating' input while the Primary, Channel 1 switch is in the up position. In this case two channels from the Function Generator are used. A desired health frequency like

30240 Hz is used as the Primary Frequency input to the left RED input channel on the Plasma Ball. 432 Hz is used as the desired goal frequency and connected to Channel 2, the right BLACK input channel on the Plasma Ball. 30240 Hz is the 140<sup>th</sup> harmonic of 216 Hz. 216 Hz is the fundamental wavelength of 432 Hz.

**Considerations:** Although the Spooky Software cannot change 'Duty Cycles' in the middle of a Protocol, it does allow you to cascade or link presets together. It is agreed this is not the most efficient way to execute a desired string of frequencies, however it is a way to do so. Please consider reviewing how to generate Presets and how to link Presets to create a fully automated Frequency String or Protocol.

Using linked Presets allows low frequencies to be gated while high frequencies are run directly with essentially no 'Gating'. Setting a frequency of 0.01 with a 'Duty Cycle' of 99.9% is an effective way of letting the Spooky2 control or emulate the right Channel 2 'Gating' Switch under software control. There are no 'Duty Cycle' limits for Channel 2 on the Plasma Ball.

It is suggested the related Videos be watched to compliment this PDF.

[Corrections and Suggestions](#) Video on YouTube and at [www.AURORASKY.net](http://www.AURORASKY.net)