

| GOLD  | BLACK | BROWN | RED | ORANGE | YELLOW | GREEN |
|---|-------|-------|-----|--------|--------|-------|
| 1R0   | 10R   | 100R  | 1K0 | 10K    | 100K   | 1M0   |
| 1R1   | 11R   | 110R  | 1K1 | 11K    | 110K   | 1M1   |
| 1R2   | 12R   | 120R  | 1K2 | 12K    | 120K   | 1M2   |
| 1R3   | 13R   | 130R  | 1K3 | 13K    | 130K   | 1M3   |
| 1R5   | 15R   | 150R  | 1K5 | 15K    | 150K   | 1M5   |
| 1R6   | 16R   | 160R  | 1K6 | 16K    | 160K   | 1M6   |
| 1R8   | 18R   | 180R  | 1K8 | 18K    | 180K   | 1M8   |
| 2R0   | 20R   | 200R  | 2K0 | 20K    | 200K   | 2M0   |
| 2R2   | 22R   | 220R  | 2K2 | 22K    | 220K   | 2M2   |
| 2R4   | 24R   | 240R  | 2K4 | 24K    | 240K   | 2M4   |
| 2R7   | 27R   | 270R  | 2K7 | 27K    | 270K   | 2M7   |
| 3R0   | 30R   | 300R  | 3K0 | 30K    | 300K   | 3M0   |
| 3R3   | 33R   | 330R  | 3K3 | 33K    | 330K   | 3M3   |
| 3R6   | 36R   | 360R  | 3K6 | 36K    | 360K   | 3M6   |
| 3R9   | 39R   | 390R  | 3K9 | 39K    | 390K   | 3M9   |
| 4R3   | 43R   | 430R  | 4K3 | 43K    | 430K   | 4M3   |
| 4R7   | 47R   | 470R  | 4K7 | 47K    | 470K   | 4M7   |
| 5R1   | 51R   | 510R  | 5K1 | 51K    | 510K   | 5M1   |
| 5R6   | 56R   | 560R  | 5K6 | 56K    | 560K   | 5M6   |
| 6R2   | 62R   | 620R  | 6K2 | 62K    | 620K   | 6M2   |
| 6R8   | 68R   | 680R  | 6K8 | 68K    | 680K   | 6M8   |
| 7R5   | 75R   | 750R  | 7K5 | 75K    | 750K   | 7M5   |
| 8R2   | 82R   | 820R  | 8K2 | 82K    | 820K   | 8M2   |
| 9R1   | 91R   | 910R  | 9K1 | 91K    | 910K   | 9M1   |
| Resistor Color Codes <a href="http://www.PositiveOffset.com">www.PositiveOffset.com</a> |       |       |     |        |        | 10M   |

Zapper Frequency Variations using the Breadboard Kit from: **PositiveOffset.com** and a 500-Piece 1/4-Watt Carbon-Film Resistor Assortment (Radio Shack part # 271-312). Exchange the 4.7k resistor between pins 6-7 with any resistor in the assortment to vary output.

- 1k (brown-black-red-gold) = output: **97.2 kHz**
- 1.2k (brown-red-red-gold) = output: **87.1 kHz**
- 1.5k (brown-green-red-gold) = output: **74.9 kHz**
- 1.8k (brown-gray-red-gold) = output: **65.9 kHz**
- 2.2k (red-red-red-gold) = output: **55.7 kHz**
- 2.7k (red-violet-red-gold) = output: **47.8 kHz**
- 3k (orange-black-red-gold) = output: **43.9 kHz**
- 3.3k (orange-orange-red-gold) = output: **40.4 kHz**
- 3.9k (orange-white-red-gold) = output: **34.60 kHz**
- 4.7k (yellow-violet-red-gold) = output: **29.95 kHz**
- 5.1k (green-brown-red-gold) = output: **27.74 kHz**
- 5.6k (green-blue-red-gold) = output: **25.46 kHz**
- 6.8k (blue-gray-red-gold) = output: **21.40 kHz**
- 8.2k (gray-red-red-gold) = output: **18.05 kHz**
- 10k (brown-black-orange-gold) = output: **14.92 kHz**
- 12k (brown-red-orange-gold) = output: **12.53 kHz**
- 15k (brown-green-orange-gold) = output: **10.10 kHz**
- 18k (brown-gray-orange-gold) = output: **8.57 kHz**
- 22k (red-red-orange-gold) = output: **6.98 kHz**
- 27k (red-violet-orange-gold) = output: **5.73 kHz**
- 33k (orange-orange-orange-gold) = output: **4.70 kHz**

- 1 (brown-black-gold-gold) = output: **200.8 kHz**
- 2.2 (red-red-gold-gold) = output: **202.2 kHz**
- 10 (brown-black-black-gold) = output: **207.8 kHz**
- 15 (brown-green-black-gold) = output: **210.2 kHz**
- 22 (red-red-black-gold) = output: **212.6 kHz**
- 33 (orange-orange-black-gold) = output: **214.2 kHz**
- 39 (orange-white-black-gold) = output: **214.6 kHz**
- 47 (yellow-violet-black-gold) = output: **214.5 kHz**
- 51 (green-brown-black-gold) = output: **214.6 kHz**
- 68 (blue-gray-black-gold) = output: **213.3 kHz**
- 82 (gray-red-black-gold) = output: **211.5 kHz**
- 100 (brown-black-brown-gold) = output: **208.7 kHz**
- 120 (brown-red-brown-gold) = output: **205 kHz**
- 150 (brown-green-brown-gold) = output: **199.2 kHz**
- 180 (brown-gray-brown-gold) = output: **192.9 kHz**
- 220 (red-red-brown-gold) = output: **185.5 kHz**
- 270 (red-violet-brown-gold) = output: **175.4 kHz**
- 330 (orange-orange-brown-gold) = output: **165.4 kHz**
- 390 (orange-white-brown-gold) = output: **155.4 kHz**
- 470 (yellow-violet-brown-gold) = output: **145.2 kHz**
- 510 (green-brown-brown-gold) = output: **140.3 kHz**
- 560 (green-blue-brown-gold) = output: **134.1 kHz**
- 680 (blue-gray-brown-gold) = output: **121.6 kHz**
- 820 (gray-red-brown-gold) = output: **110.2 kHz**

- 39k (orange-white-orange-gold) = output: **3.966 kHz**
- 47k (yellow-violet-orange-gold) = output: **3.306 kHz**
- 51k (green-brown-orange-gold) = output: **3.039 kHz**
- 56k (green-blue-orange-gold) = output: **2.780 kHz**
- 68k (blue-gray-orange-gold) = output: **2.295 kHz**
- 82k (gray-red-orange-gold) = output: **1.895 kHz**
- 100k (brown-black-yellow-gold) = output: **1.560 kHz**
- 120k (brown-red-yellow-gold) = output: **1.296 kHz**
- 150k (brown-green-yellow-gold) = output: **1.042 kHz**
- 180k (brown-gray-yellow-gold) = output: **.860 kHz**
- 220k (red-red-yellow-gold) = output: **.693 kHz**
- 270k (red-violet-yellow-gold) = output: **.563 kHz**
- 330k (orange-orange-yellow-gold) = output: **.468 kHz**
- 470k (yellow-violet-yellow-gold) = output: **327 Hz**
- 1meg (brown-black-green-gold) = output: **153 Hz**
- 1.5meg (brown-green-green-gold) = output: **101 Hz**
- 2.2meg (red-red-green-gold) = output: **69.3 Hz**
- 3.3meg (orange-orange-green-gold) = output: **46.3 Hz**
- 4.7meg (yellow-violet-green-gold) = output: **32.5 Hz**
- 10meg (brown-black-blue-gold) = output: **14.8 Hz**
- No resistor, just a Jump Wire = output: **194.3 kHz**

Dr. Hulda Clark published two Zapper schematics, first the 30 kHz Zapper with copper handles, and in later books a low frequency 1000 Hz Zapper to power a North Pole Speaker so one could zap items that cannot hold handles such as food, water, or pets. The Breadboard Zapper Kit sold at **PositiveOffset.com** can be modified to output many other frequencies if you want to experiment with Dr. Clark's extensive frequency list, or the massive *Consolidated Annotated Frequency List*, better known as the CAFL, which is easily found by doing a Google search. Using the Radio Shack 500 Piece Resistor Assortment (part # 271-312) it is easy to modify the Zapper Kit to output 67 different frequencies for very little cost, and still have an analog circuit as described by Dr. Hulda Clark. Other devices out there that offer many frequencies are often digital, and may not have the harmonics this simple circuit offers.

To tell one resistor from another hold resistor so the shiny gold band is on the bottom. Read the stripes of color from top to bottom. Use the color chart above to find the resistor you need to adjust your kit's output to the frequency you desire. Exchange the 4.7k resistor found between G9 - J10 on the breadboard kit (which connects pins 6-7 on the 555 Timer). Output may vary due to 5% tolerance in resistors.

Dr. Clark suggests to not experiment with a Zapper if pregnant or wearing an electronic pace maker. The Clark Zapper has not been licensed by the US Food and Drug Administration as a medical device for use in the cure, mitigation, treatment, or prevention of any disease. The Clark Zapper can only be sold as an experimental device. Although you have the right to experiment with these items, you do so at your own risk. Be sure to read the book, *The Cure For All Diseases* by Hulda Clark for Dr. Clark's frequency list, available at: **HuldaClark.com**