12/6/2020 Dial-A-Zap







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Electronic Kit & Parts for Educators, Researchers & Hobbyists

Turn your Zapper Kit into a Dial-A-Zap

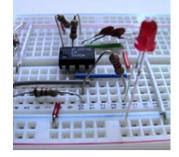




If you have already built the <u>30 kHz version of the Breadboard Kit</u>, all you would have to do is remove the (Yellow-Violet-Red-Gold) 4.7K ohm resistor found on the Breadboard at G9-J10, and replace it with the 1 Meg Pot to have a variable output. Each potentiometer will also need a big plastic knob to make it easy to control the frequency. You can get Potentiometer and Knob from Radio Shack. Shaft on potentiometer fits through a 5/16 inch hole and you cut the shaft to length to fit the container that holds your final project.

In order to read the output on your Dial-A-Zap, one will need a <u>Multimeter with Hz setting</u> to act as a digital frequency counter (available at Radio Shack for about \$50). Use <u>alligator leads</u> to connect the circuit outputs to <u>copper pipes</u>, and connect the multimeter to the pipes as well. This way you can read the frequency output on the multimeter (set multimeter to Hz setting). This is one of the most cost effective ways to have a nice little battery operated frequency generator without spending \$500 or more.

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- 30 kHz/1 kHz Zapper Kit
- 555 CMOS Timer
- Switching diode 1N914
- Mini Alligator Leads
- Copper Pipes
- Dial-A-Zap
 Chair Zappi
- Chair Zappicator
- Pet Zappicator
- Video Instructions



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Order a Zapper Kit: Hulda Clark Breadboard Kit

Copper Pipes

Optional 1N914 Switching Diode to protect circuit

Order from Radio Shack:

1 Meg Ohm Linear Taper Potentiometer

Large Knob

<u>Plastic Project Enclosure</u>

Multi Meter with Hz Setting

Another way to create <u>variable frequency output using your breadboard zapper</u> is to exchange the 4.7k resistor with other resistors. Here is a free <u>PDF chart of which resistor</u> to use in order to convert the breadboard to various frequencies to help guide you.

The Hulda Clark Zapper has not been licensed as a medical device by the <u>US FDA</u>. Zapper Kit is sold as an educational tool only, no medical claims are intended by the sale of these electronic parts. Our Zapper Kit is a great project for a school science fair, or to learn the basics of building simple electronics.

Please note that when ordering electronic parts and kits we can assume no liability on the customer's ability to use them. Safety, craftsmanship, experience, and ability are the user's responsibility.

Electronic parts are small and fragile. We can not offer refunds or replacements on electronic parts. Buy electronic parts and kits only if you believe you can accomplish the work. If you experience difficulty with your build, or have little experience in electronics, please order replacement parts along with your kit.

The 555 CMOS Timer is the most likely part to need replacement, so it may be smart to order extras when building a kit.

The 555 CMOS Timer is vulnerable to static electricity. If you walk on a carpeted floor and the 555 receives a static shock it may burn out and need replacement.

<u>555 CMOS Timers</u> are sold separately for those who want to have several at hand during a kit build, or to troubleshoot a circuit that is not working. If you are new to electronics, or just want to be cost effective, you may want to purchase extra 555 CMOS Timers when building your first kit. We can not offer refunds or replacements on electronic parts.

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Customer Service Information

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We accept all major credit cards via our secure shopping cart. We also accept checks and money orders through the <u>mail</u>. All packages are shipped United States Postal Service Priority Mail with Delivery Confirmation. If you have an existing order and would like to track your package's Delivery Confirmation, click: <u>USPS Delivery Confirmation</u>. If you have any other question or concern about your order, please send an email to <u>Customer Service</u>.