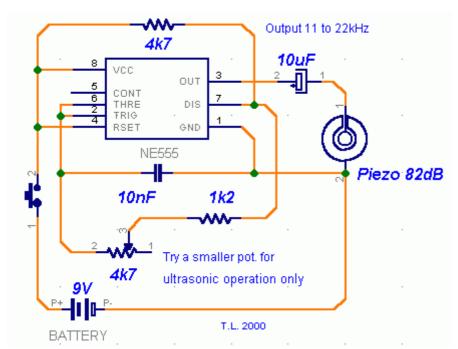
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(https://www.electroschematics.com/wp-content/uploads/2008/04/electronic-dogrepeller.gif?fit=444%2C334)

Ultrasonic Dog Repeller Circuit

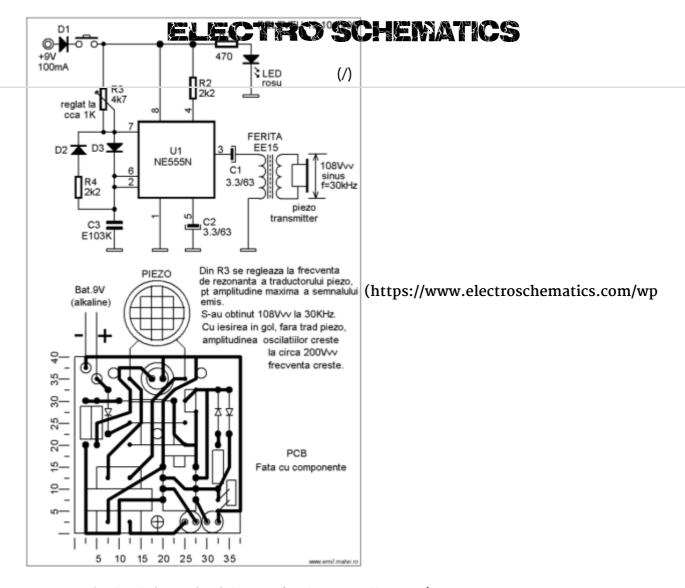
P. MARIAN (HTTPS://WWW.ELECTROSCHEMATICS.COM/AUTHOR/ADMIN/)

repellents (/tag/repellent-circuits) ultrasonic (/tag/ultrasonic-circuits)

This ultrasonic dog repeller circuit will chase away angry dogs. It is build with the all known 555 circuit, a buzzer and a little ferrite transformator. The ultrasonic frequency must be set with a dog nearby.

Dog Repeller Schematic no 1

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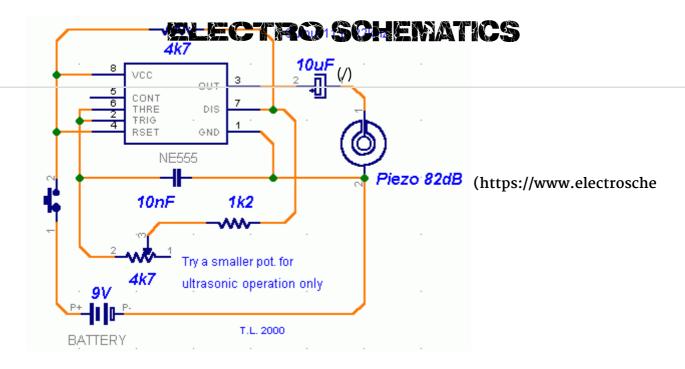


-content/uploads/2008/04/ultrasonic-dog-repeller.png)

Circuit number 1 uses the well known NE555 IC, couple of components and a EE15 ferrite transformer. Adjust R3 at resonance frequency of the piezo transducer for maximum aplitude of the repeller ultrasonic sound. At 30 KHz this can reach a value of 108 Vpp. Without the piezo the output voltage is around 200 Vpp.

Dog Repeller Schematic no 2

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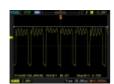
matics.com/wp-content/uploads/2008/04/electronic-dog-repeller.gif?resize=444%2C33 4)

breadboard and oscilloscope screen captures



(https://www.electroschematics.com/wp-

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(https://www.electroschematics.com/wp-

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I have replaced the 10nF capacitor with a 6.8nF one so it can cover a frequency range between 11kHz and 25kHz, but in your case it might work with the 10nF.

The output voltage has a value of 10 Vpp and the buzzer is a passive one (without we use cookies on our website to give you the most relevant experience by remembering your preference son) a repeat visits. By clicking "Accept All", you consent to the use of ALL the cookies. However, you may visit "Cookie Settings" to provide a controlled consent.

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shrikant

this circuit can also use for the birds repellent?

Posted on December 15th 2015 | 7:11 pm (https://www.electroschematics.com/run-dog-angry-dog-chaser/comment-page-2/#comment-1879001)

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shibil

i made circuit#2.....

when i turn up the variable resister full the buzzer is act like a RADIO ..

I didn't get 6.8nf cap... i only got 10nf plz help me to fix this $\stackrel{\circ}{\cup}$

Posted on September 12th 2015 | 5:35 pm (https://www.electroschematics.com/run-dog-angry-dog-chaser/comment-page-2/#comment-1795276)

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Hi!

I need one like the free of the factor of th

Posted on June 19th 2015 | 5:20 am (https://www.electroschematics.com/run-dog-angry-dog-chaser/comment-page-2/#comment-1716464)

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waqar

i want to know schematic #1 about transformer. plz help me

Posted on January 19th 2015 \mid 7:04 am (https://www.electroschematics.com/run-dog-angry-dog-chaser/comment-page-2/#comment-1458291)

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nes

may i know how to solve the formula in the schematic #2

Posted on January 18th 2015 | 9:43 am (https://www.electroschematics.com/run-dog-angry-dog-chaser/comment-page-2/#comment-1456823)

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nes

i want to know how to get the frequency

Posted on January 18th 2015 | 11:17 am (https://www.electroschematics.com/run-dog-angry-dog-chaser/comment-page-2/#comment-1456902)

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Can i use the circuit to a rat? If i was able to change the freq to annoy the rats. Cookie Settings Accept All

Posted on January 14th 2015 | 6:47 am (https://www.electroschematics.com/run-dog-angry-dog-chaser/comment-page-2/#comment-48167 (CS)

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Hi Popescu,

I love this site. Loads of cool projects to learn from. In the above circuit I was not able to find which piezo/ultrasonic transducer are you using. Can you please respond with the part number/or a link from where we can buy it?

Thanks. Keep up the good work. Cheers.

Posted on November 30th 2014 | 9:39 pm (https://www.electroschematics.com/run-dog-angry-dog-chaser/#comment-1229232)

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Waleed Rishmawi

thank you for sharing this with us. does it actually work because I am trying to build one? what kid of power switch did you use with this because I can see it connected to power pin and the rest pin. thanks and looking forward to hearing your answers. thanks

Posted on October 11th 2014 | 9:14 am (https://www.electroschematics.com/run-dog-angry-dog-chaser/#comment-898333)

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pooya

hi

could u tell me which piezo used in this circuit?

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michaeleric

(/)

circuit #1

C3 E103K

i understand "C3" is "capacitor 3", but what is "E103K"?

i google "E103K" and come up what part of a part number.

Posted on January 03rd 2014 | 3:58 am (https://www.electroschematics.com/run-dog-angry-dog-chaser/#comment-274481)

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heena

103K ohms it means

100 E means 100 ohms

Posted on January 04th 2014 | 3:20 pm (https://www.electroschematics.com/run-dog-angry-dog-chaser/#comment-274656)

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"I think R9 needs to be corrected to a 1k not 10k. At a 12v supply a 10k will limit I to a point the"

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"Antonio Marcheselli: Good to know."

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(https://www.electroschematics.com/review-of-the-hw-687-dc-motor-control-module/#li-comment-1903915)

"Hi, Hareendran, This "cryptic" 5V linear regulator chip marked as M5350B is a low-power,"

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