

Re: ultrasonic speaker simple amplifier

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2007-05/msg04142.html>

- *From:* szekeres@xxxxxxxx (GregS)
 - *Date:* Thu, 31 May 2007 12:38:33 GMT
-

In article <f3mfcl\$iv4\$4@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, szekeres@xxxxxxxx (GregS) wrote:

In article <yEl7i.315151\$ZA5.228316@xxxxxxxxxxxx>, "Infundibulum"
<Infudibulum@xxxxxxxxxxxxxxxxxxxx> wrote:

Hi

I am using a simple 555 timer to create a 20khz + square wave feeding into an 8 ohm super tweeter rated up to 40Khz. I'd like to raise the power output on the speaker above what I get from the 555 timer pin 3 output.

I am using the tone generator circuit show here:
http://www.reconnsworld.com/audio_tonegenerate.html

Help on the output circuit to switch a power transistor with the speaker would be appreciated.

You will not get anything out until you apply a voltage source.

I have used 18 volts for this type circuit, two 9 volt batteries.

The piezo can take up to an equivalent 35 volts RMS
If there was a way to push pull two 555's, that would be nice.

You can also use a transformer. You can use a 9 volt source and take the output to a Mosfet, and the mosfet can use 4 nine volt batteries, feeding the driver. A modified follower can be used, with a high value resistor on the bottom leg.

greg

.