

DOOR BELL CIRCUIT USING NE555

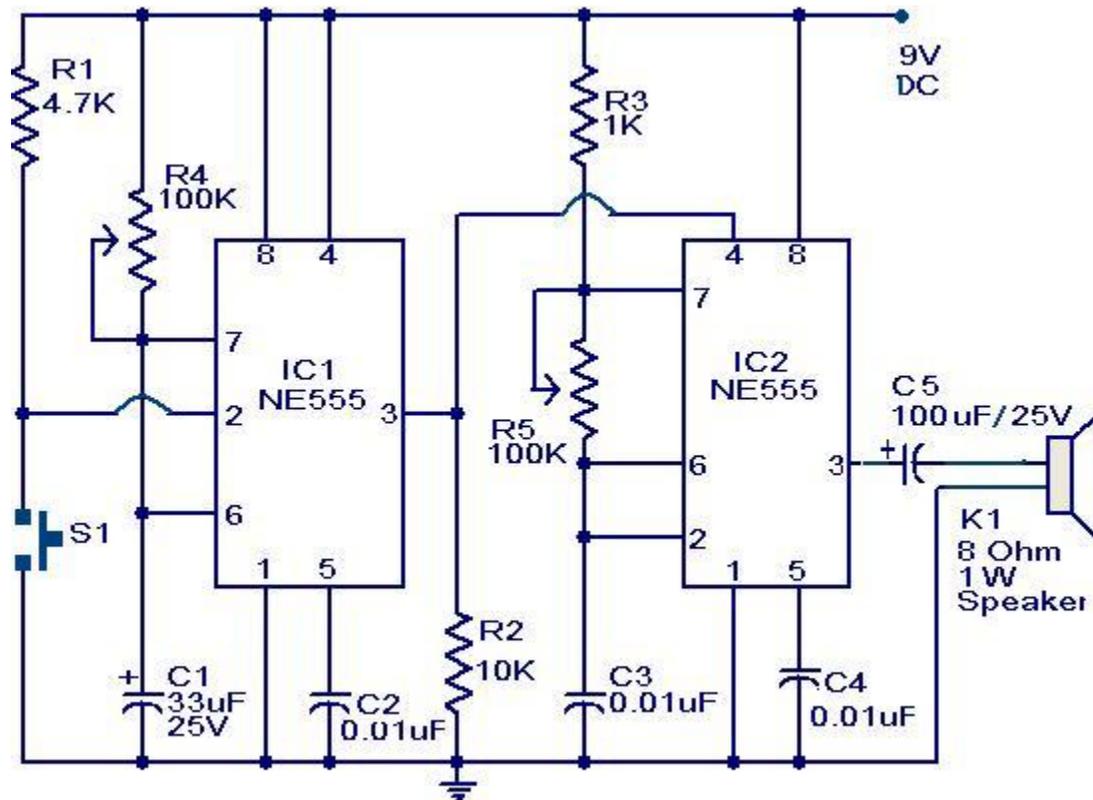
Description

The main part of this doorbell circuit are two NE555 timer ICs. When some one presses switch S1 momentarily, the loud speaker sounds a bell tone as long as the time period of the monostable multivibrator built around IC1.

When the switch S1 pressed, IC1 is triggered at its pin 2 and output pin 3 goes high for a time period previously set by the values of POT R4 and POT R5. When the output of IC1 goes high it resets IC2 and it starts to oscillate to make a bell sound through the speaker. The IC2 is configured as an astable multivibrator whose oscillation frequency can be varied with the help of POT R5. By adjusting the values of R4 & R5, modifications on the tone are possible.

If you are not familiar with the basics of 555 timer IC, and its applications, you can buy books that will help you get a better understanding from our online store. Totally 3 books have been reviewed in detail along with their authors. You can get their reviews and buy them here:- [3 Great Books to Learn 555 Timer Circuits and Projects](#)

Circuit diagram with Parts list.



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Notes.

- The circuit has to be assembled on a good quality PCB or common board.
- The IC1 & IC2 has to be mounted on IC holders.
- Power the circuit from a 9V battery or 9V DC power supply.
- Switch S1 is push button switch.

Source: <http://www.circuitstoday.com/door-bell-circuit-using-ne555>