

How to Build a Ultrasonic Speaker

<https://www.bjultrasonic.com/>

Ultrasonic speakers, producing sounds above 20 kHz, are designed for specialized purposes. For instance, we can create a simple ultrasonic speaker by combining it with a few other crucial components.

1. Measure the mounts on the tweeter horns to create the mounting for the tweeters. Create a square frame of appropriate dimensions. Use screws to mount each tweeter to its respective frame, and a single speaker needs 2 to 4 tweeters.
2. To accommodate speaker binding posts, you should drill holes in the back of the speaker housing. Two tweeters only need one post. Behind the compartment for each tweeter, drill a hole. Then, mount the binding post inside the housing.
3. Split speaker wire. Solder the positive wire and negative wire to the corresponding positive and negative terminals on the tweeter. For the second tweeter, repeat this step.
4. Twist the exposed ends of the two positive wires together, and then insert them into the binding post's red tab and solder the connection. Repeat this step for the negative wires with the post's black tab. Then, test the connections. After that, close the housing.
5. Screw the tweeter frames to the front of the housing cabinet to close the house.
6. Place the cabinet in its desired position. Connect the speaker to the desired system.

Tips

- Do not play high frequency tones for prolonged periods of time.
 - Do not play high frequency tones at high volume.
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