

# Violin Speaker

I gave new life to an old violin I found in a dumpster by attaching an acoustic exciter to the bridge area to transform it into a visually and acoustically unique speaker.

## What is an acoustic exciter?

An acoustic exciter is a device that turns any solid object it's mounted on into a speaker. Instead of moving air with a cone like traditional speakers, it vibrates the surface it's mounted to. These vibrations travel through the material, causing it to radiate sound.

## Why use a violin?

Acoustic exciters can be placed on almost any solid object to create a speaker, but in addition to its beautiful aesthetic, the body of a violin is specifically designed to amplify and resonate certain frequencies more than others. This gives the violin speaker a distinctive warm, rich, and complex tone.