

## HOW TO REDUCE FOOTSTEP NOISE

by Bruce Bartlett

Here are several tips on reducing the noise that stages make when they are walked on:

<https://ask.metafilter.com/283262/How-to-construct-a-stage-platform-to-reduce-footstep-noise-bass>

I suggest that you stand in front of the stage with the P.A. system off. If you can hear footsteps, any microphone will too. So it helps to stop the problem at its source. You might have the actors wear rubber-soled shoes, carpet the stage, or try the methods mentioned in the link above.

The audience sees the actors walking, so they expect to hear some footsteps.

Our Stage Floor Mic-EC is not sensitive to floor vibrations, only to sound. The mic's diaphragm is perpendicular to the floor. So when the stage vibrates up and down, it does not move the diaphragm in and out, so no signal is produced from mechanical vibrations. But as I said, if the footsteps make a sound you can hear, then it helps to reduce footstep noise itself.

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