Microphone & Speaker Placement to Avoid Feedback

Feedback is caused when a microphone picks up the sound from a speaker and that sound is fed back through the speakers in a loop. Feedback is most likely to occur when a microphone is in front of the loudspeaker. You can reduce the likelihood of feedback by placing the speakers ahead, toward the audience, of the microphone.

Microphone in front of speakers

Microphone in back of speakers

R. Lipera, 09/2013
IMC, University Library
http://library.albany.edu/imc/
Microphone & Speaker Placement to Avoid Feedback

1 - Sound travels from speaker to microphone

2 - Sound is fed back to speakers from microphone

3 - Sound loops continuously causing feedback
Microphone & Speaker Placement to Avoid Feedback

1 - Sound travels from speaker to audience

2 - When mic is behind speaker it cannot pick up sound – No Feedback!