

The 5 Most Common Project-studio Recording Mistakes

Snare Mic Choices



Absorption & Reflection For Tonal Change



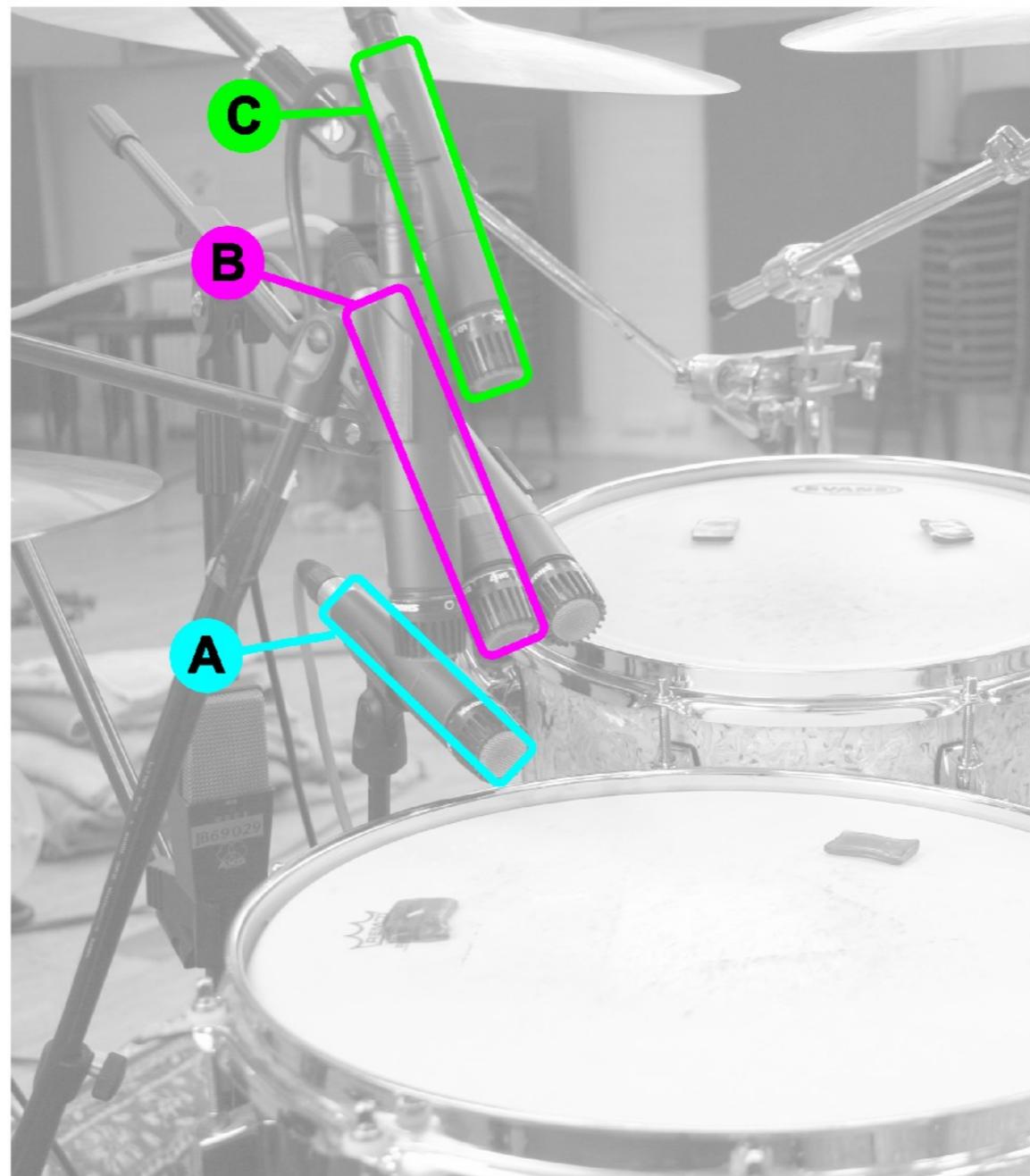
A Drum-miking Template...

- **Snare:** use cardioid dynamic mic with presence peak (Shure SM57/58); use proximity effect for fuller sound and presence peak for attack; place mic 2cm from rim and 2-4cm above; angle mic across head.

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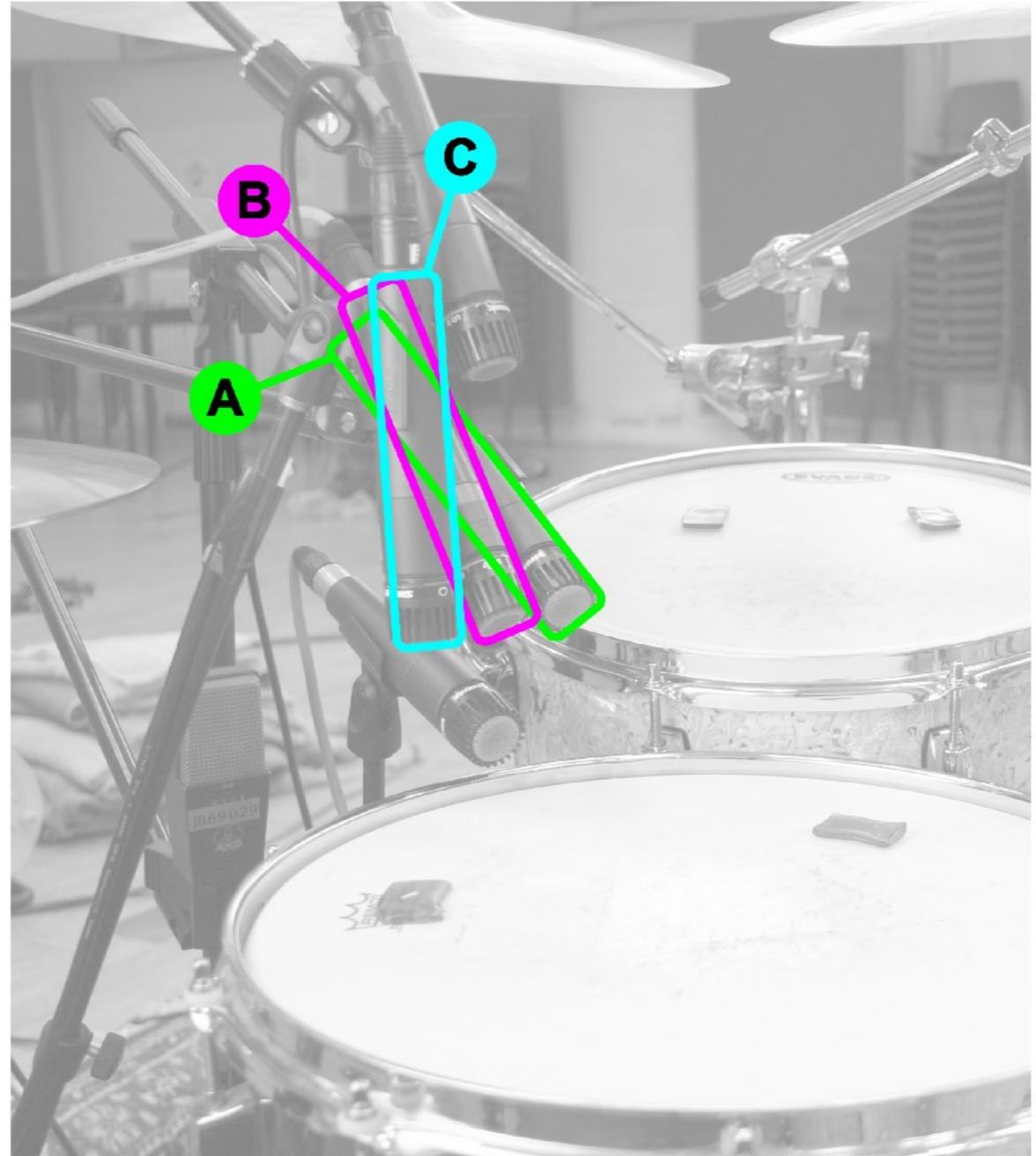
Snare Miking Distance – Audio Examples



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Snare Miking Angle – Audio Examples



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High Overhead Mics: A Case Study



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www.cambridge-mt.com/rs-imp.htm

Potential Problems With Cardioid Mics

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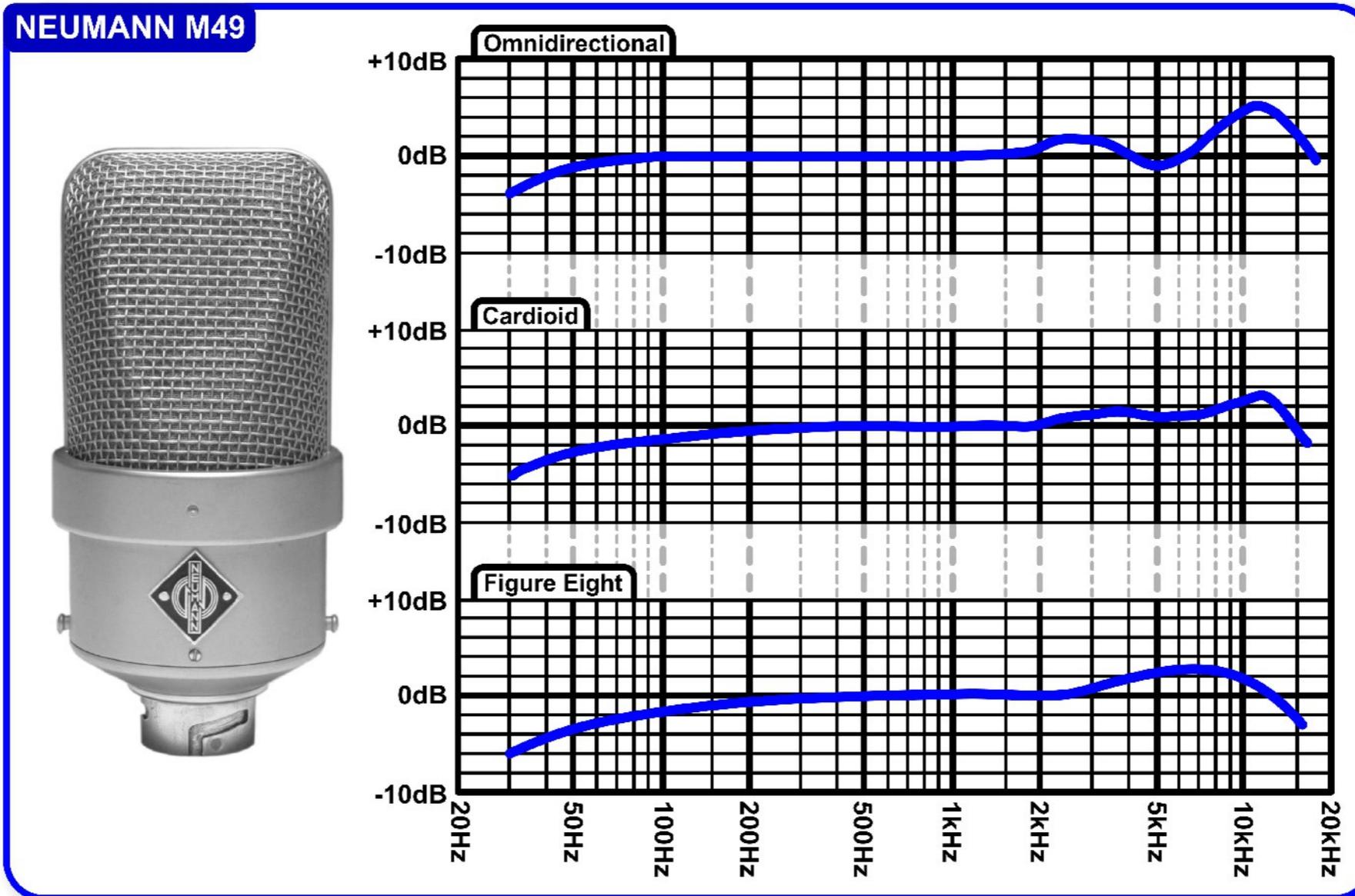
Figure-eight Mics: Using The Rejection Null



Potential Problems With Cardioid Mics

- Spotlighting
- Proximity effect
- Inferior low-frequency response
- Prone to handling noise & plosive popping
- Off-axis coloration
- Insufficient rejection null
- Only one tonal option

Polar Patterns & Frequency Response: Neumann M49



One-room Band Recording: Case Study #1



One-room Band Recording: Case Study #2



One-room Band Recording: Case Study #3



Fence-sitting Masterpiece: Multi-miked Guitar



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- 3) The cardioid reflex.

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- 1) Ignoring the source.
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- 3) The cardioid reflex.
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- 5) Deferring decisions.

'Recording Mistakes' Supporting Resources Site:

www.cambridge-mt.com/AES143-RecordingMistakes.htm

- Download my seminar audio examples and slideshow PDF.
- Remix the featured raw multitracks for yourself.
- Check out the Library of Mic Positions, plus lots of related further reading from *Sound On Sound's* free online article archive.

Small-studio Secrets (Cambri X +)

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Project Studio Expo 2017 (AES 143rd Convention) Supporting Resources For Download!

This page contains various additional resources to support my Project Studio Expo seminar 'The Five Most Common Project-studio Recording Mistakes' at the 143st AES convention in New York in September 2017. This site also hosts a huge range of free [mixing](#) and [recording](#) resources relating to my books, including the ['Mixing Secrets' Free Multitrack Download Library](#) and the ['Recording Secrets' Library Of Microphone Positions](#). To stay up to date with the latest uploads to this site, sign up for my monthly ['Small-studio Secrets News'](#) mail-out – and if you have any follow-up questions about the seminar or these resources, don't hesitate to [drop me a line!](#)

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