

Gabe. Arias

Dr.Braukmann

Digi 385

Record Complex instrument

5/31/2023

Record Complex instrument

I enjoyed the spaced pair in the piano more than the XY because it does not sound muddy. I also liked how it has more clarity in the upper and higher mid frequencies.

- Detail the equipment and software that you used.
 - Pre Sonos interface with 4 mic inputs.
 - Software – Audacity

- After reviewing suggested mic placement options in the reading resources, describe how you used your ears to listen to the instrument and guide you to the best microphone placement option.
 - I started out using an XY set up with 2 Audio Technica condenser mics about a foot or two away from the piano pointing towards the lid (picture 1). I then put the 2 mics closer to the piano with the lid all the way open. I put 1 mic pointing towards the bass and the other pointed towards the high mids (Picture 3). I really enjoyed hearing the spaced pair inside the piano. That one was louder (picture 4). It's not as muddy then the XY pair which was a foot or two away from the lid and was about 5 feet above the ground.

- What were the major problems you encountered? How did you address the problems?
 - A problem was not having better headphones to listen back on.
 - A second problem was make sure to take extra power extensions for supplying power to my laptop. So, I moved the interface and laptop closer to the wall power outlet so the charging cables do not stretch although, I could have been closer to the mics.
- How did you finally adjust the recording levels?
 - I gained the inputs in the Pre Sones because, I did not see a waveform when I first started to record.
- What room problems needed to be overcome? How did you overcome those problems?
 - The charger to the laptop could be closer to the mics and not have to stretch the charger. How I overcame the problem was moving my laptop and the interface closer to the wall extension.
- What would you definitely do differently next time?
 - Think about if I should bring cable extension so the laptop or interface do not stretch their power extensions.
 - Bring different mics perhaps use 4 mics at the same time with different mic setups.
 - Research more mic set ups of pianos with 4 or 2 mics before recording.
- Compare your final mix to a commercial mix and critically critique your mix.
 - The commercial mix I chose is by Charlie Puth – Done For Me (Jazz version)
<https://www.youtube.com/watch?v=EbSOKsFHwU8>
 - I think I got pretty close Done For Me because I played them at the same time and I heard a my recording might need a little EQ, compression, and a little reverb. But not to much compared to Puth.



Picture 1 : XY Audio Technica condenser mics setup



Picture 2: XY mic set up



Picture 3: Spaced pair mic set up the right mic pointed towards the bass while the other is pointed towards the hi mids.



Picture 4: Spaced pair mic set up