

Record a complex instrument requiring more than one microphone, such as a piano, or cello, **or two simpler instruments** playing together, or a singer with an instrument. (Record one complete piece), and incorporate the sound of the room if the room has reasonably good acoustics. **Produce a report** including at least one image of the setup, and covering at least...

- Detail the equipment and software that you used.
 - Grace design model 101 interface
 - Mic – Rode NT1-A
 - Software – Audacity
 - I have 2 recording. One with violin not compressed and one recording with the violin compressed using the KT-TA compressor. Unfortunately, I did not take a picture of the compressor setup.
 - I finished this project recording using 1 mic. The second attempt was with Joel using 2 condenser Samson mics on a piano.
- 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 placing the mic a foot apart from the violin, a couple feet high.
- What were the major problems you en-counterred? How did you address the problems?
 - The room was small, so I lifted the mic higher so I can get more of the room in the recording.
- How did you finally adjust the recording levels?
 - Adjusting the Grace input gain. Second I looked at the front of the mic to see if it was pointing towards the bridge of the violin but not directly so I could get some of the room also. I additionally adjusted the Big Knob monitoring so that I can listen back in the control room.

- What room problems needed to be overcome? How did you overcome those problems?
 - The room was a bit small for recording a solo violin, although it sounded close, and I can add reverb later.
 - I should have gotten another room in mind in the music building or anywhere else. It was my first time recording there.
- What would you definitely do differently next time?
 - Check for another room, I thought it would make it easier at the time to record in the recording booth, but I did not think about the natural reverb at the time.
- Compare your final mix to a commercial mix and critically critique your mix.
 - I compared to: https://www.youtube.com/watch?v=Jq9-p6Qf_XQ
 - What I noticed is there is a bigger room in the youtube recording and I like that reverb the room it gives. The room I used did not have a lot of room reflection so most of the sound leaving the violin is being absorbed by the wall panels. The recording booth sounds good for other projects but, for a solo violin i should have picked a bigger room with some natural reverb.





Voice Over
The output of the pre-amp
level the 230
Set the gain
Use the meter
to drive
the 230
The Aphex 230 Tube
Compressor
All the buttons
are should
The in the 230
The compressor
There is one
Output?
KT-2A Compressor
Set the meter
Don't worry if
Slowly turn the
Level

