

Microphone Experimentation

Chris Harvey



Instrument 1 – Drums

Performer: Steven Kindl



Instrument & Room Setup – Drums

- # Room E
- # Drum set is 2'6" from wall on average
 - # Kick is 2' from front wall
- # Blankets on stands in back left and back right corners
- # Damper panels on back and right walls
- # Carpet under the set
- # Small gaff tape on snare and tom 3





Microphone Techniques – Drums



- # Spaced stereo pair, Earthworks QTC-1
- # Spaced stereo pair, Earthworks SR-30
- # Each pair:
 - # 5'6" from ground, 2' above the set
 - # 1'3" to the left and right of the center of the set
 - # center of drum set is between tom 1 and tom 2
 - # 30 degrees from vertical

Microphone Techniques – Drums

- # Mid-Side pair, AKG-414
 - # height of 6' from ground
 - # 2'6" from top of set
 - # directly over the center
 - # front of “side” is facing drummer’s left, and is closer to the drummer than the “mid”

Switches:

- | | |
|------------|----------------|
| # “Mid” | # “Side” |
| # cardioid | # figure-eight |
| # 0 dB | # 0 dB |
| # 0 Hz | # 0 Hz |



Microphone Techniques – Drums



- # Coincident stereo pair,
Earthworks SR-30
- # height of 5'6" from ground
(same as spaced pair)
- # directly under AKGs
- # angle of about 80 degrees with
each other



Mixer Setup – Drums

- # QTC-1 left, right: inputs 1-2
- # SR-30 left, right: inputs 3-4
- # AKG-414 mid, side: inputs 5-6
- # +48V on inputs 1-6
- # gain levels according to the diagram on the right



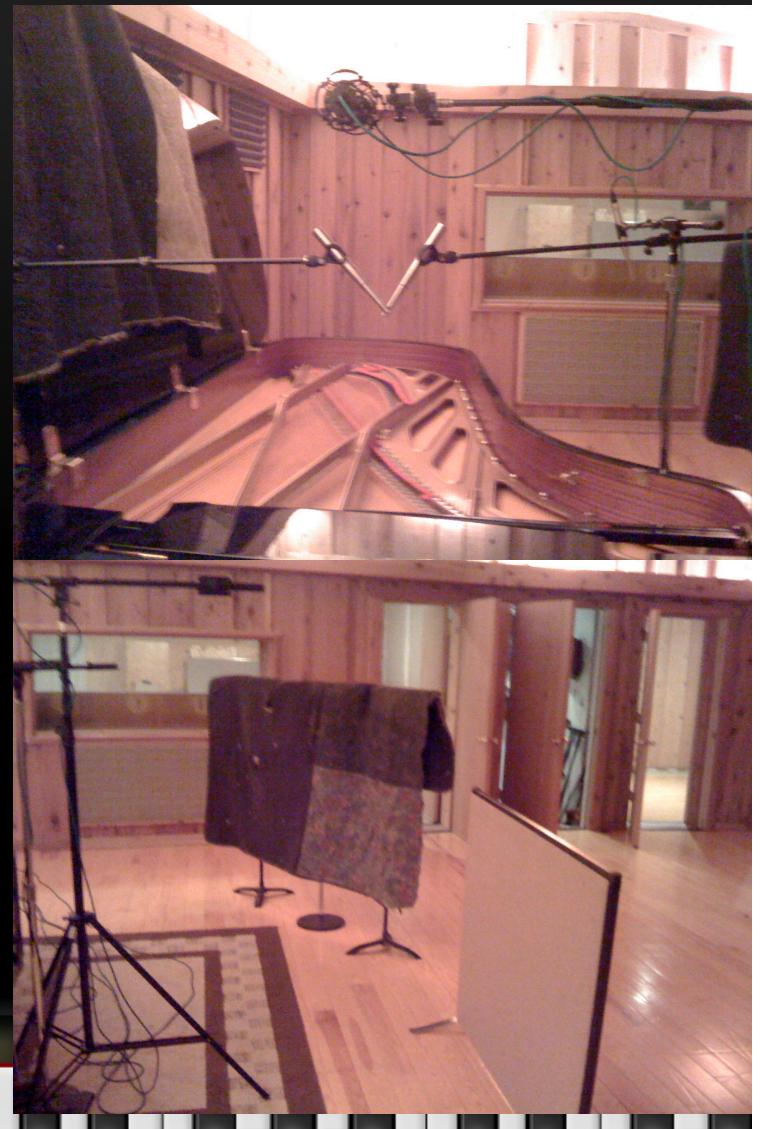
Instrument 2 - Keys

Performer: Michael Matthews



Instrument & Room Setup – Keys

- # Room A
- # piano was 2' from back wall, pianist facing room E
- # lid resting against wall with blanket covering the majority of the inside of the lid
- # keyboard was about 6' from the side wall (room D)
- # damper panels to the right of the player and keyboard
- # blanket on stands toward the back/right side
- # carpet on the right side of the ground next to the piano

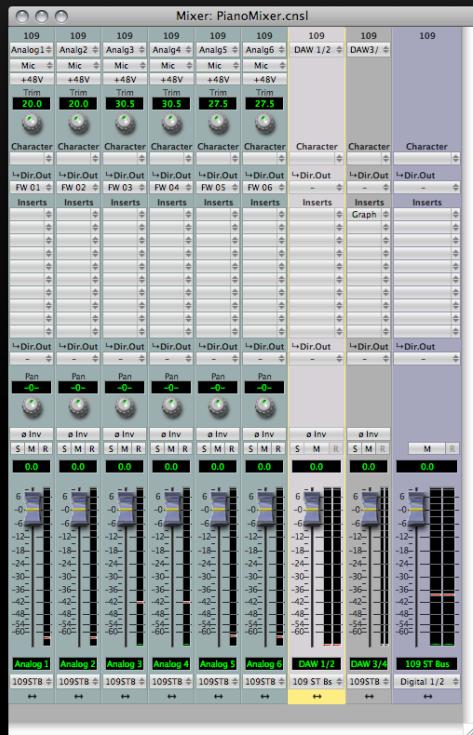


Microphone Technique – Keys

- # Preferred Method: Spaced stereo pair, QTC-1
- # 2'6" above piano
- # angle 0 degrees from vertical
- # 2'3" left and right from center of piano, 6" behind hammers

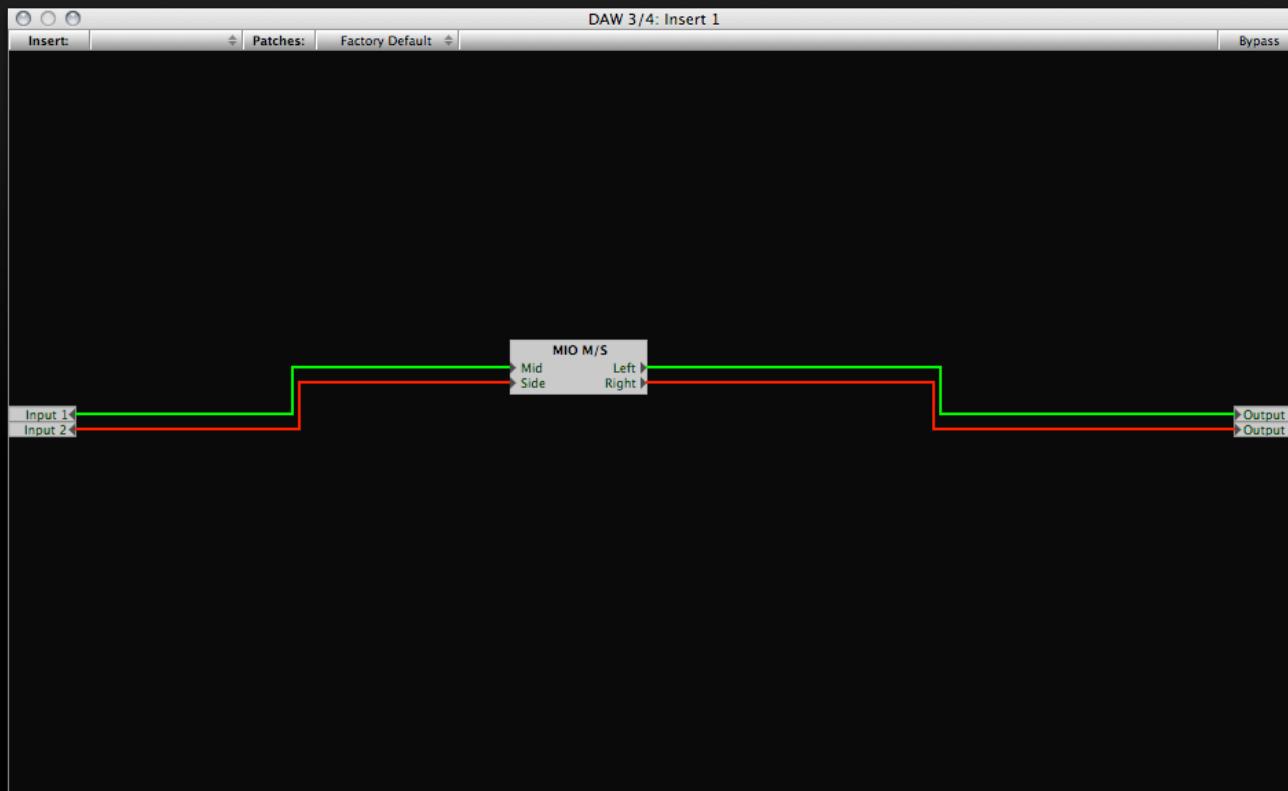


Mixer Setup – Keys



- # QTC-1 left, right: inputs 1-2
- # SR-30 left, right: inputs 3-4
- # AKG-414 mid, side: inputs 5-6
- # +48V on inputs 1-6
- # gain levels according to the diagram on the left
- # M-S Processor

Inserts: Graph: M-S Processor



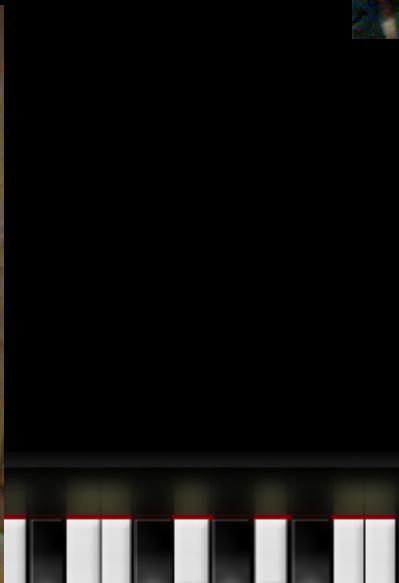
Instrument 3 - Guitar

Performer: Chris Harvey



Instrument & Room Setup - Guitar

- # Room C
- # damper panels on back and left walls, foam on right wall
- # guitarist about 6'6"-7' from front wall



Microphone Technique – Guitar



- # preferred method: Jecklin Disk, stereo pair QTC-1
- # center of Disk 3'8" from ground, 2'6" from front wall, directly centered on guitarist
- # capacitors of QTCs are centered on Disk, 3" left and right from the edge of the Disk, and 3'8" from ground
- # guitarist 4' from QTCs

Microphone Technique – Guitar



Mixer Setup – Guitar

- # QTC-1 left, right: inputs 1-2
- # AKG-414: input 3
- # Peluso CEMC-6: input 4
- # Neumann U89i: input 5
- # +48V on inputs 1-5
- # gain levels according to the diagram on the right



