

Chapter 9. Meeting 9, Workshop: Preamps and Level Setting

9.1. Announcements

- Processing Report 1 due Today, 7 March

Based on audioProcReport01.zip

9.2. Signal Flow

- Signal flow from mic to computer
 1. Mic front-panel XLR/F jacks
 2. Patch bay mic output (Switchcraft PT16FX2DB25 1-16)
 3. Patch bay Preamp inputs (True 1-8, TwinQ A1-2, TwinQ B1-2, Vintech 1-2, JDK 1-2)
 4. Patch bay Preamp outputs (True 1-8, TwinQ A1-2, TwinQ B1-2, Vintech 1-2, JDK 1-2)
 5. Patch bay computer input / RME IN (RME Fireface 800 / RME ADI-8)

9.3. Preamps

- True Systems Precision 8 (True)
 1. Controls: gain, phantom, phase
 2. Meter: dBu, with variable peak reference and hold
- Joemeek TwinQ
 1. Controls: full channel strip with preamp gain, phantom, eq, compression
 2. Meter: VU, with switch for gain reduction meter
- Vintech 1272
 1. Controls: input gain and output gain, phantom power
 2. Meter: 4-segment dBu
- JDK R20
 1. Controls: gain, phantom, pad, phase

2. Meter: VU

9.4. Procedure

1. Remove mic from case, attach mic to stand
2. Connect mic cable
3. Patch from mic to pre, pre to RME
4. Engage phantom power, level set
5. Clear levels, disengage phantom power
6. Unpatch
7. Disconnect mic and return to case
8. Wrap cable

9.5. Assignments

- Group A
 - Subject: [student name] on guitar
 - Order and assignments
 1. [student name]: Mic I/O 2, TwinQ A1, RME IN 2
 2. [student name]: Mic I/O 10, True 1, RME IN 10
 3. [student name]: Mic I/O 4, Vintech 1, RME IN 4
 4. [student name]: Mic I/O 12, JDK 1, RME IN 12
 5. [student name]: Mic I/O 6, TwinQ A2, RME IN 6
 6. [student name]: Mic I/O 14, True 2, RME IN 14
- Group B
 - Subject: Romi on piano
 - Order and assignments
 1. [student name]: Mic I/O 8, Vintech 2, RME IN 8

2. [student name]: Mic I/O 16, True 7, RME IN 16
 3. [student name]: Mic I/O 1, TwinQ B1, RME IN 1
 4. [student name]: Mic I/O 9, True 3, RME IN 9
 5. [student name]: Mic I/O 3, Vintech 2, RME IN 3
 6. [student name]: Mic I/O 11, True 8, RME IN 11
- Group C
 - Subject: [student name] on Sax
 - Order and assignments
 1. [student name]: Mic I/O 5, TwinQ B2, RME IN 5
 2. [student name]: Mic I/O 13, True 4, RME IN 13
 3. [student name]: Mic I/O 7, Vintech 1, RME IN 7
 4. [student name]: Mic I/O 15, True 5, RME IN 15
 5. [student name]: Mic I/O 2, TwinQ B1, RME IN 2
 6. [student name]: Mic I/O 10, True 6, RME IN 10
 7. [student name]: Mic I/O 4, Vintech 2, RME IN 4

MIT OpenCourseWare
<http://ocw.mit.edu>

21M.380 Music and Technology: Recording Techniques and Audio Production
Spring 2012

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.