Sounds Active — The Basics



Music Technology
Homework Sheets

Control Room

hat is a Control Room used for? _		
Reflection Another issue in control rooms is the materials of the surfaces of the walls. Basically, hard surfaces, like stone, glass or tiles, reflect lots of the energy of the waves back into the room. While this is good (to a certain extent!) in a room where instruments will be played, it is less desirable in the control room as this ambience affects the clarity of the sound we are listening to. Softer surface materials like plaster or fabric wall coverings reflect less of the energy and absorb more. Listen to the differences – click on the five links under the drum kit to hear how drums sound in different rooms.		Which of the 5 areas shown has the least REFLECTION or REVERB in the recordings? Why is this?
Ç⊐ <u>Prev</u> <u>Next</u> Ç	Brick Room Concrete Room Wood Room Glass Room Living Room	
What are the 4 most importan	Margaret all all and a second	Room?

1.	
2.	
3.	
4.	

Live Room



Name 2 types of material that could create a 'Live' sound.

1.______

2._____
Name 2 types of material that could create a 'Dead' sound.

1.______

What are the 3 most variable factors in a Live Room?

Multitrack Recorder

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nat are the benefits of a multitrack recorder? _	
Drums Bass Guitar 1 Guitar 2 Vocals	Explain an 'overdub'. Explain a 'mix' or 'balance'.
What would happen if you adjusted the 'level What would happen if you adjusted the 'par	

Dynamic Microphones

Are Dynamic mics used more in LIVE PERFORMANCES or in STUDIOS?______

Do Dynamic mics require PHANTOM POWER? ______



Name 2 advantages of a Dynamic mic.

1.

2.

Name 2 disadvantages of a Dynamic mic.

1.

2._____

Name 3 common uses of a Dynamic mic?

1. _____

2. _____

3. _____

Condenser Microphones

Are Condenser mics used more in LIVE PERFORMANCES or in STUDIOS?
Do Condenser mics require PHANTOM POWER?

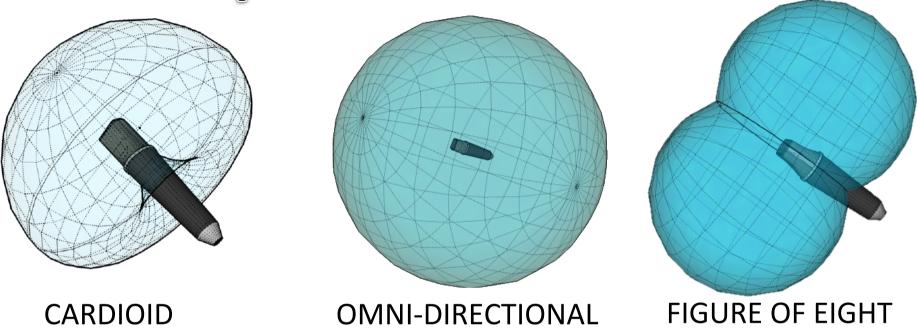


Name 2 advantages of a Condenser mic.
1
2 Name 2 disadvantages of a Condenser mic.
1
2.

Name 4 common uses of a Condenser mic?

1.		
2.		
3.		
Δ -		

Microphone Polar Patterns



Which Microphone Polar Pattern would you choose when recording:

- 1. 2 Backing Singers?
- 2. A business meeting with people situated around a circular table?
- 3. A solo singer?
- 4. An ambient live recording of an acoustic folk group?

Leads







JACK TO JACK XLR PHONO

- 1. Name a common use of a Jack To Jack lead.
- 2. Name a common use of an XLR lead.
- 3. Name a common use of a Phono lead.
- 4. Give an example of a BALANCED lead.
- 5. Give an example of an UNBALANCED lead.
- 6. How can you tell the difference between a MONO and a STEREO Jack connection?



What does DI stand for?	

What types of instruments would use a DI Box?



1. What type of lead would connect a
guitar to the input of a DI Box?

2. Is this lead balanced or unbalanced?

3. What type of lead would connect the output of the DI Box to a mixing desk?

4. Is this lead balanced or unbalanced?
