























































Audio travels along cable, and noise is inducted onto signal  $4 - \frac{4}{2} + \frac{4}{2} +$ 



 The signals are now combined, and the inverted noise is cancelled out.  $4 - \int_{\infty} 4 + \int_{\infty} 4 +$ 







 Mixers supply phantom power so mixers have "female" connectors

## Mic Functional Types

- v Handheld
- $_{\nu}\,$  Stand Mounting
- v "Lavalier"
- v PZM
- v Contact
- v Shotgun





- v Sensitivity: How much voltage produced for a given sound pressure level. Varies with each microphone model.
- v Transient Response: How well the mic deals with quick changes in audio level

Important Rules

channel.

v Treat ALL microphones gently! v NEVER blow into a microphone

v NEVER hit the front of a microphone

v Never turn on/off phantom power if the volume is up on that channel

v Condensor mics are fragile when active (phantom power on) v Never connect microphones into a system if volume is up on that



- v Low—Professional (generally < 150 ohms
- v High—Consumer ( > 25k ohms)

## Microphones

