

Pro-Audio

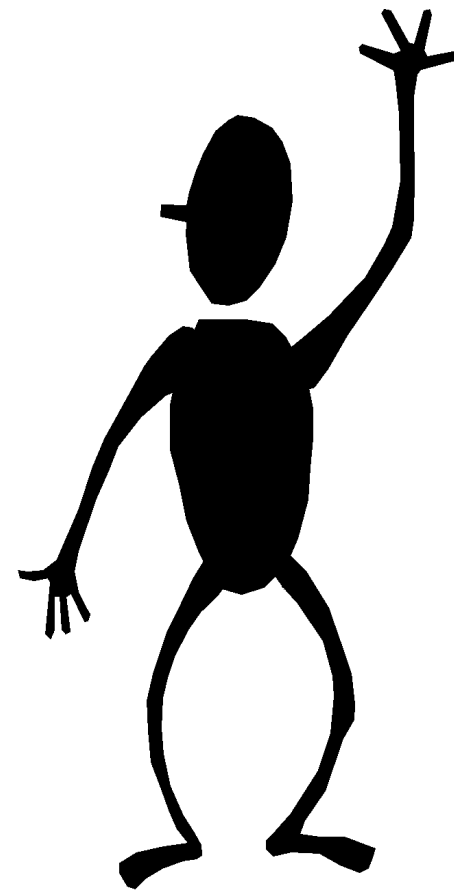
a presentation by matt desalvo

What is “Pro-Audio”?

- Wikipedia defines Professional Audio as:
 - high-quality audio engineering and operations, usually at the production end of the audio chain.
 - primarily practiced in:
 - recording studios
 - radio, television and film production
 - theaters and concert venues

The Basics

- Let's learn the basics of a couple different pro-audio applications with our friend Bob.
- Bob is a musician; he plays piano and guitar
- Bob wants to purchase equipment for a small venue gig





Speakers



Amplifier (Amp)



Mixer



Microphones (Mics)



Cables

Let's explore the gear
a little more closely

Speakers

- Passive Cabinets
 - No Amp Built-in
- Active Cabinets
 - Amp Built-in
 - Simpler setup
- Main & Monitors
 - Main Speakers face the audience
 - Monitors face the performer



Amplifiers (Amps)

- Brings the system to life
 - No Amp. No Sound
- More power.
More sound
 - Amp power measured in watts



Mixers

- Orchestrates the sound
 - The director of where and how much
- Size depends on # of inputs
- Allows for fine adjustments



Microphones (Mics)

- Dynamic Mics
 - Typically used for vocal use
- Condenser Mics
 - Typically used for instrumentation and studio vocal use
 - Much higher quality; picks up broader range of sound



Cables

- Speaker Cables
 - Used to connect between the amp and speaker
 - 1/4 Phono connector
 - Also commonly used in a shorter length to connect guitars to equipment



Cables

- Microphone Cables
 - Used to connect mics to mixer
 - Also to connect mixer to amp
 - XLR connector



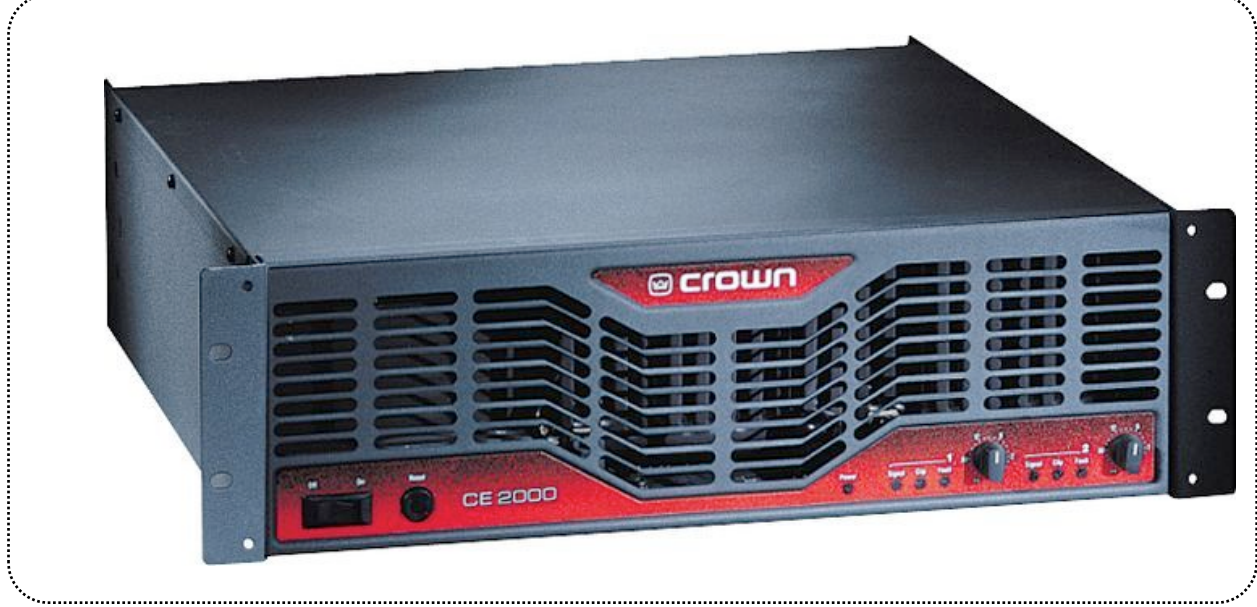
Back to Bob

- Ok, so now we have the basics.
- Bob purchases the equipment needed for his gig
- But Bob doesn't know how to connect it all together
- Let's show Bob





1/4



XLR



XLR



1/4





Bob is Happy!

Variations on a theme

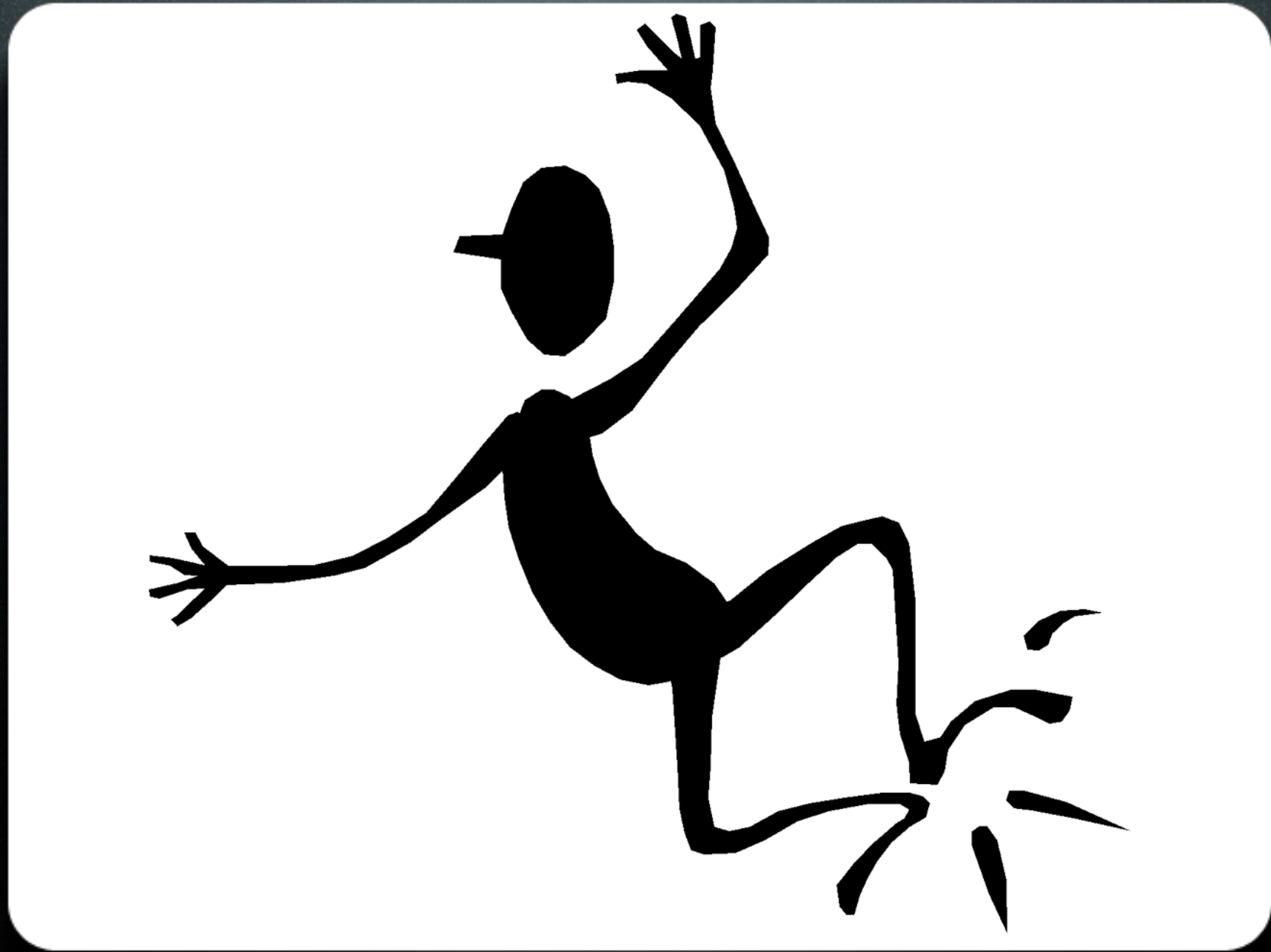
- Ways to cut costs/save space:
 - Active Cabinet Speakers
 - Built-in Amp
 - Mixer and mics/instruments
 - Powered Mixer
 - Built-in Amp
 - Passive Cabinet speakers, mics/instruments

Brands to Look for

- These are some of the biggest names in Pro-Audio gear
 - Shure
 - Audio-Technica
 - JBL
 - Mackie
 - Crown
 - Peavey
 - Yamaha



Q & A



Thanks for your participation!