

Dynamic Microphones

- Rugged construction, robust, able to take much abuse
- Large physical size
- Requires no external power
- High SPL (Sound Pressure Level) capacity
- Miniaturization results in compromises
- Response limits due to mechanical aspects
- Hand held vocals, paging, communication



Ribbon Microphones

- Classic broadcast mics
- Large physical size, heavy
- Requires no external power
- Warm rich sound, wide response
- Can be very fragile
- Can not handle wind or blowing
- Can be damaged by phantom power
- Voice over, vocals



Condenser Microphones

- May have extended response
- Handles transients very well
- High sensitivity, lower handling noise
- Less weight, easy to miniaturize
- Require external power to operate (battery or "phantom")
- Rugged construction of newer models
- Can be sensitive to heat and humidity

