Sound Play Back

Sound Play Back System

Input
- Microphone
- Reel to Reel Tape
  - 1/4" Mylar tape coated with iron oxide
  - Best Quality of Analogue devices
  - Although a tedious process, high quality editing is possible
  - Hard to find and very expensive
  - We only use for playing archive tapes
Input

• Cassette Tape
  – 3/16 Mylar coated with iron oxide
  – Don’t use longer than 90 minute
  – Dual Cassette allows easy dubbing
  – Editing is difficult -- not precise
  – Quality is lower than reel to reel
  – Great for quick copies

Input

• CD Players
  • Information is stored in binary format -- therefore quality is constant
  • In most cases, quality of players is consistent
    – Home Single CD Player
      • Inexpensive -- $70.00
      • Does not have instant play capability
      • Good for Pre-show, Intermission, and Post-show music

Input

• CD Players
  – Denon Dual CD Player
    • Professional Quality
    • Plays any track in 1/100 sec
    • Dual deck allows for cross fading of cues
    • Capability to “bend the pitch” of a piece
Input

- CD Players
  - 100 Disk Changer
    - Home quality
    - Used as a storage library for sound effects and music CD’s
    - Play lists for each CD are on file
    - CD’s stay in player -- fewer scratches and lost CD’s

- Personal Computer w/ Sound Card
  - Plays digital audio files -- .WAV format
  - Instant play and high quality
    - SFX Play Back
      - We are just moving into this technology
      - Not only used for play back of effects, but one may also control speaker assignments, fades, etc.
      - Software can address multiple sound cards
      - Technology is very popular in theme parks

I/O

- With the exception of microphones, all I/O is at line level
- Currently, all I/O is analogue -- but this will change soon
<table>
<thead>
<tr>
<th>Amplifier/Speakers</th>
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<tbody>
<tr>
<td>• Line Out from mixer is sent to Power Amplifier</td>
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<tr>
<td>• Amplified signal is sent to a single speaker</td>
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<td>• Music is generally sent to house speakers</td>
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<tr>
<td>• Special effects may be sent to localized speakers</td>
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