

Lec 8

Wed 3/7/01

## Transmission Formats

MIDI - Musical Instrument  
Digital Interface

- a file format and a transmission format.

TF: a means of communicating between  
two machines.

AES/EBU signal      DAT machine      XLR  
DIG Audio Connections

Audio Engineers Society & European

S/PDIF (IEC 958) - CD player RCA  
digital audio in/out. So name  
of a consumer grade, but  
also used professionally.  
→ Sony Philips Digital Interface Format.  
→ pioneers in CD development.

PCM-FI (Pulse Code Modulation)  
- early format - obsolete - historical

multi-channel      AES 10      56 channel 24 bit audio  
- very hardy format

proprietary: Yamaha Cascade  
Mitsubishi

digital  
audio  
stereo

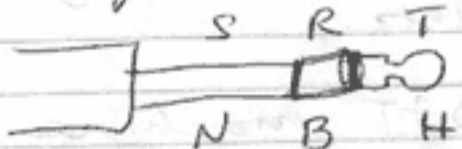
multi-  
channel

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Connectors  
ideal → { H (hot) \_\_\_\_\_  
          N (neutral) \_\_\_\_\_  
          Bal. \_\_\_\_\_

- XLR - three pins high end  
- locks in place  
- balanced - has 3 wires  
- professional top of the line.

RTS  medium end

RCA low end