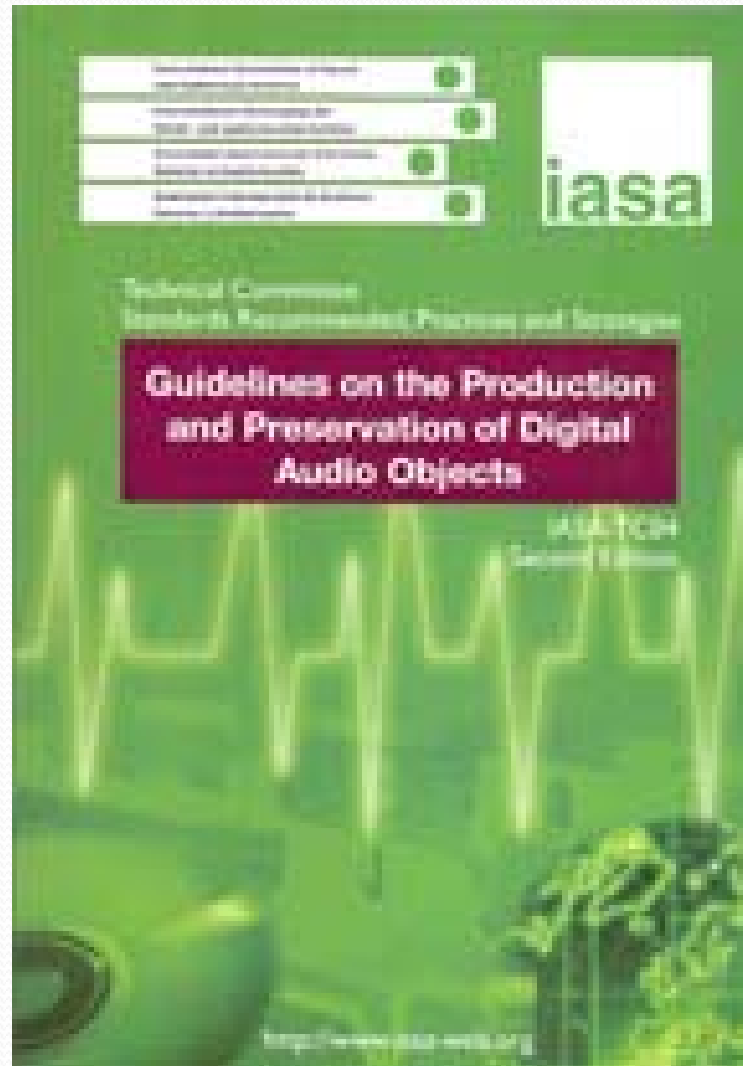




# ***Digitisation of Music***

# IASA Technical Committee Standards, Recommended Practices and Strategies IASA-TC04 Second Edition



- ISO 15926-1:2003
- ISO 15926-2:2003
- ISO 15926-3:2003
- ISO 15926-4:2003
- ISO 15926-5:2003



Technical Committee  
Standards, Recommended Practices and Strategies

**Guidelines on the Production  
and Preservation of Digital  
Audio Objects**

IASA-TC04  
Second Edition

<http://www.iasa-ml.org>

# Equipment: tools and connections

- **Sound cards**



Easy to connect (Firewire) and has a low noise level

Supports the International standard sample rate “24-bit/96 kHz”

Built-in phono preamp input (RCA) for direct turntable connection

# Equipment: tools and connections

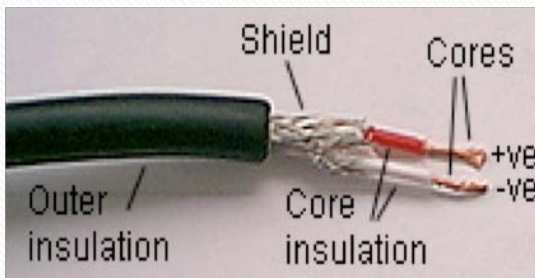
- Playback devices



- Link between the source and the destination

# Equipment: tools and connections

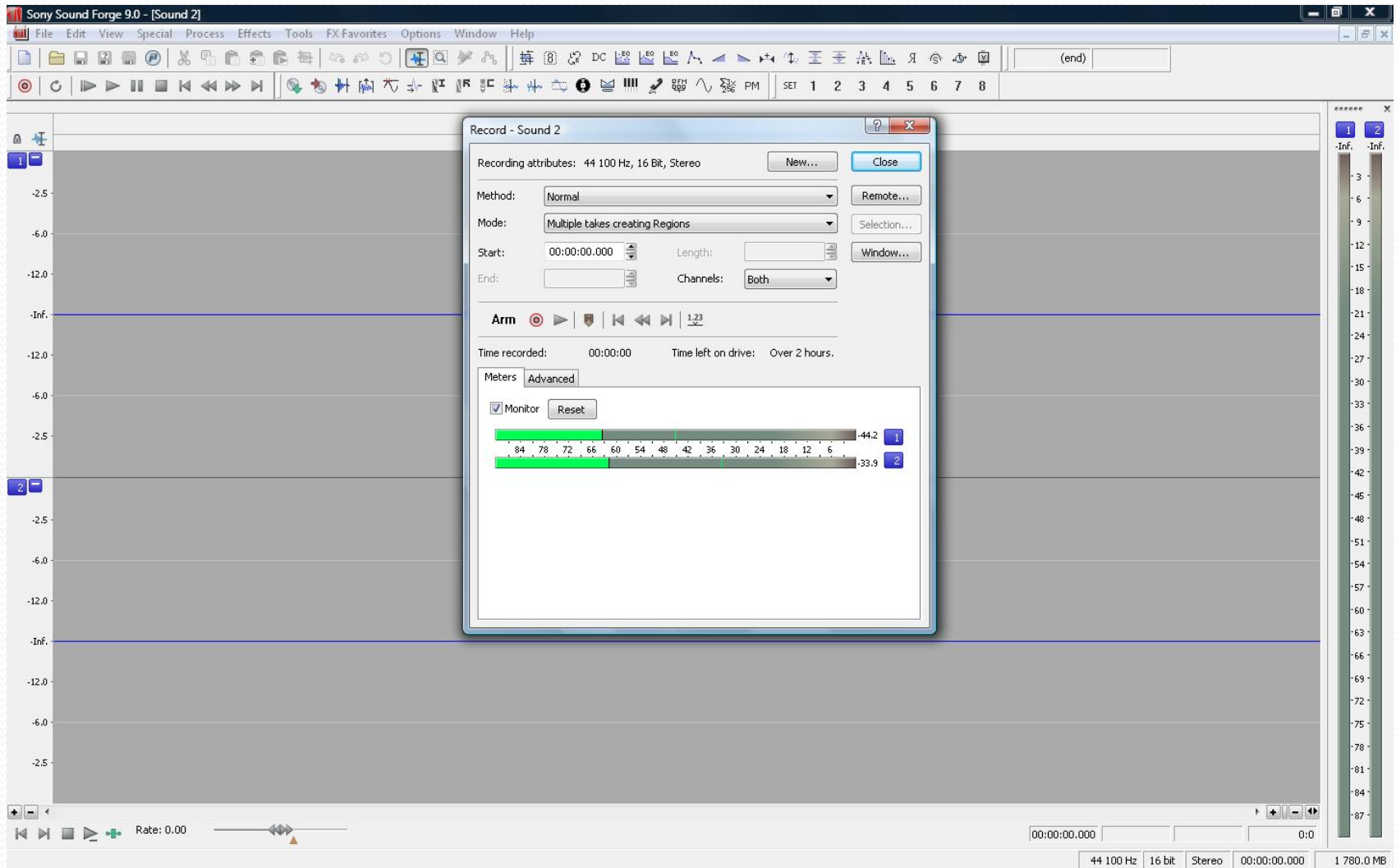
- Cables and connections



- Use Balanced cables

# Equipment: tools and connections

- Software



# Audio carriers

- **Categories of Audio carriers:**
- 1. Mechanical carriers
  - Coarse groove records (shellacs)
  - Acetate records (Aluminum base covered with Nitrocellulose lacquer)
  - Micro groove records (vinyls, LPs, singles)





Stylus 1



Stylus 2



Stylus 3





## ● 2. Magnetic tapes

- Reels & Cassette tapes

- print-through
- Vinegar syndrome
- Mold
- Tape breaking





The other factors related to instability of mechanical carriers and retrievability of information can be summarized as :

Humidity and Temperature

Mechanical deformation

dust and dirt of all kinds

# Preparing the carrier for recording

- Record Cleaning



- Playback (cleaning)

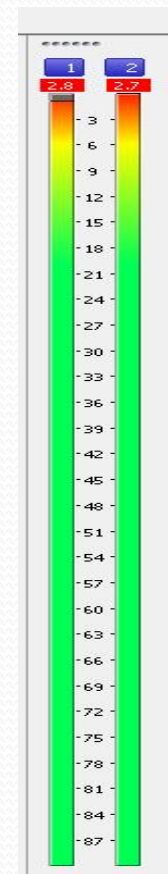
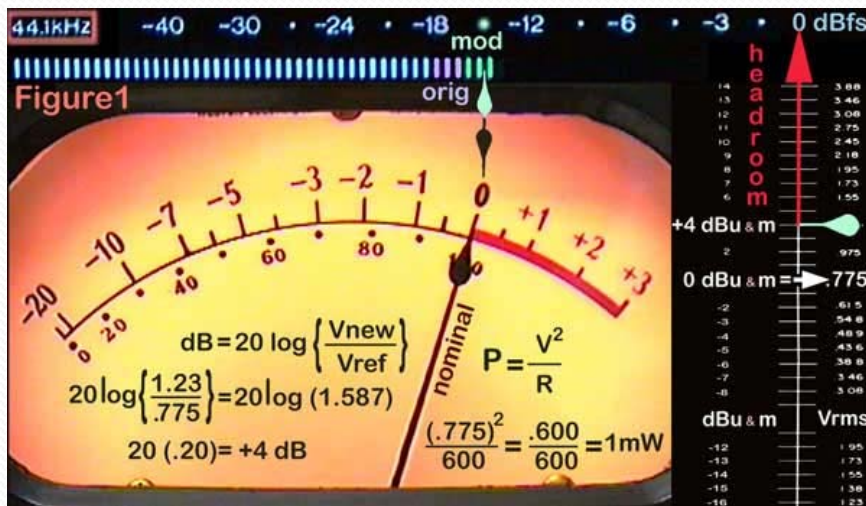
# Preparing magnetic tapes for recording

- Spooling - rewinding
- Splicing – add leader tape, repair any breaks



# Recording – digital transfer

## Recording and Playback Levels



# SAVING

- **Always save file as a wave file “.wav”  
(Uncompressed)**
- **Do not save as mp3 (all mp3 files are compressed)**
- **Make as many backup files as possible**
- **Store digital files on more on your server and send to a back-up server/portable hard drive**

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