

Willis IT Services (WITS)

Computer problems: At your WITS end? On-site repairs, upgrades, training, new and used PC's

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AUDIO AND VIDEO RESTORATION SERVICE

If requesting conversion to MP3 audio or MPG video files, please supply a suitable computer storage medium: i.e. USB disk or portable hard drive.

Additional copies on CD or DVD may be purchased for **50p** per disc

Duration of recordings

Maximum capacity of 1 CD is 80 minutes. All vinyl records are less than 80 minutes long. Any audio tapes longer than 80 minutes will be charged as 2 tapes.

Maximum capacity of 1 DVD varies from 2 – 4 hours depending on quality. Highest quality will be used wherever possible. Video compression will take place, but there should be no noticeable loss in video and audio quality. Any video tapes longer than 4 hours will be charged as 2 tapes.

Manual editing and re-mastering

Automatic improvements are made to your video or audio recordings. However, if required, manual re-mastering and editing can be applied to further improve the restoration. This includes:

- Improving audio clarity, fidelity, & volume levels
- Manual click / pop reduction for vinyl
- Video colour and contrast manually enhanced for different scenes
- Removing certain sections
- Repairing small areas of damaged recordings

If the automatic improvements are considered insufficient to create a satisfactory restoration, manual editing will be suggested at the rates indicated.

Equipment used:

Audio cassette deck: Nakamichi RX-202E

Record player: Rega Planar 3 with RB300 arm and Denon DL-110 moving coil cartridge

Audio capture device: ART TubeFire8 valve pre-amp and firewire interface to PC

VHS video cassette deck: Sony SLV-SE80

Video 8 / Hi8 video camera: Sony Handycam CCD-TRV64E

Video capture device: Hauppauge HVR-1300 hardware MPEG encoder.

VHS / Video8 / Hi8 VIDEO TAPE TO DVD / MPG

Sometimes it may be convenient to have chapters on the DVD whereby you can skip to a specific scene or episode, especially if one tape contains many separate scenes. This is however, time consuming for the editor, and is therefore charged as extra. Below, this is listed as "Manual chapter editing".

Overview of restoration process:

1. Tape played and recorded into computer video hardware
2. Video start and end times trimmed
3. Video frames trimmed of black edges and resized to completely fill DVD picture
4. Automatic level optimization applied for basic picture enhancement.
5. Automatic chapters created every 3-10 minutes. (unless chapter editing specified)
6. DVD / MPG's created

1 st tape:	£18
Per tape thereafter	£8
Manual editing per tape	£12
Manual chapter editing per tape	£12
If MPG video files and DVD required per tape	£5
Photocopy or print cover:	£8

VINYL RECORD TO CD / MP3

Overview of restoration process:

1. Side A cleaned of dust and obvious physical artefacts.
2. Side A played and recorded into computer audio hardware.
3. Steps 1-2 for Side B
4. Automatic click / pop reduction applied
5. Left / right stereo balance equalised.
6. Automatic volume levelling applied.
7. Audio split into separate tracks where obvious.
8. CD / MP3's created

Albums

1 st album:	£20
Every album thereafter:	£10
If CD & MP3's required per album:	£5
Manual editing per album:	£10

Singles

1 st single:	£10
Every single thereafter:	£6
If CD & MP3's required per single:	£2
Manual editing per single:	£5

Photocopy or print cover:	£8
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AUDIO CASSETTE TAPE TO CD / MP3Overview of restoration process:

1. Tape played and recorded into computer audio hardware.
2. Left / right stereo balance equalised.
3. Automatic volume levelling applied.
4. Automatic hiss / noise reduction applied.
5. Audio split into separate tracks where obvious.
6. CD's / MP3's created

1 st tape:	£20
Every tape thereafter:	£10
Manual editing per tape:	£10
Photocopy or print cover:	£8
If CD & MP3's required per tape	£5