

NEED TO DIGITISE YOUR AUDIO CASSETTE LIBRARY?

Graff *digitiser* is the Answer

Graff supply a Master only cassette deck operating at 8 x speed, an approved sound card and user friendly software for your computer.

With the use of a sound card, analogue audio from the cassettes is converted to digital format. Digital audio does not deteriorate with use, so is ideal for archiving and as a source for duplicating to CDs, DVDs or cassette tapes.

-----Simple as 1-2-3-----



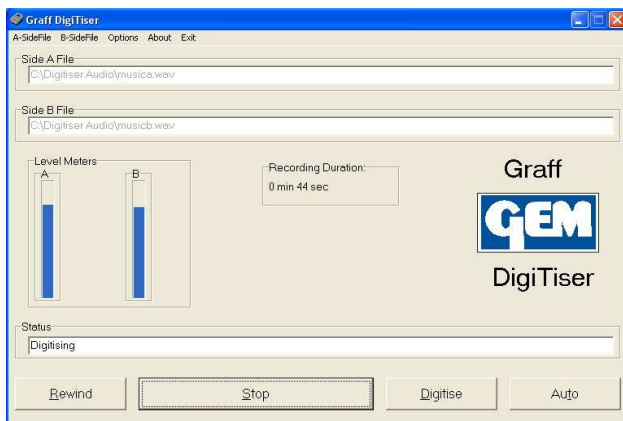
1

Plug Digitiser into PC, Insert Master Cassette - up to C90



2

Name the Files for A Side and B Side and Push Auto



3

After 6 minutes Start Digitizing the Next Cassette

Benefits:

- Preserve your audio library
- No degradation of master
- Save space and time
- Simple storage and selection of master for duplication
- Cost effective
- Simple to operate and maintain
- Duplicate to Tape or CD/DVD
- Distribute in the format of your choice

Features:

- Simple software user interface for use with Graff specified soundcard
- GEM Master cassette deck controlled via PC serial COM port.
- Master cassette decks digitise at 8 x speed.
 - 8 x speed produces 22050 samples per second taking approx. 6 minutes for a C90 cassette
 - Built in sample rate conversion software gives the option of 44100 samples per second to allow files to be burnt to audio CD.
- Simultaneous digitising of sides A and B
- Digitised audio saved as wave files
- Mono or Stereo versions available

GRAFF DIGITAL COPIERS

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Technical Specifications GEM Digitiser

| Cassette Master Unit | Mono | Stereo | 4 Track - For half speed Library cassettes |
|--|---|---|--|
| Digitise speed | 41.325cm/s (8.7x speed) | 41.325cm/s (8.7x speed) | 41.325cm/s (8.7x speed) |
| Rewind time (C60) | Approx 35s | Approx 35s | Approx 35s |
| Track Configuration | 1/2 track 2 channel | 1/4 track 4 channel | 1/4 track 4 channel |
| Frequency response | 50Hz to 10kHz | 50Hz to 10kHz | 50Hz to 6kHz |
| Equallisation | Type 1 Ferric | Type 1 Ferric | Type 1 Ferric |
| Signal to noise ratio | 45dB | 45dB | 45dB |
| Crosstalk rejection typically @1kHz | 50dB | 50dB | 50dB all channels |
| Distortion typically @ nominal level | <1% (1kHz) THD | <1% (1kHz) THD | <1% (1kHz) THD |
| Wow and flutter (WRMS) | <0.2% | <0.2% | <0.2% |
| Record level from 0dB on tape | - 8dB | - 8dB | - 8dB |
| Power Consumption | Approx 30W | Approx 30W | Approx 30W |
| Power Requirements | 230V 50Hz/120V 60Hz | 230V 50Hz/120V 60Hz | 230V 50Hz/120V 60Hz |
| Dimensions mm | 243x344x125 | 243x344x125 | 243x344x125 |
| Software | | | |
| Sample rate @ 41.325cm/s (8.7x speed) | 192000 | 192000 | 192000 |
| Sample rate @ Real-time | 22050 | 22050 | 11025 |
| File format | .wav format (uncompressed) one file for each side | .wav format (uncompressed) one file for each side | .wav format (uncompressed) four individual files |
| Upsample | 22050 to 44100 | 22050 to 44100 | N/A |
| Deck control interface | Serial (COM) port | Serial (COM) port | Serial (COM) port |
| Computer minimum Requirements | | | |
| IBM PC or compatible Windows XP / Vista / Windows 7 / Windows 8 | | | |
| Processor | Intel Celeron 2.0GHz | Intel Celeron 2.0GHz | Intel Celeron 2.0GHz |
| Memory | 256MB | 256MB | 256MB |
| PCI/PCIe | 1 free full height slot | 2 x free full height slots | 2 x free full height slots |
| Multimedia | CD ROM Drive | CD ROM Drive | CD ROM Drive |
| Hard Disk Drive | 1GB free space minimum | 1GB free space minimum | 1GB free space minimum |
| Communication | COM port or USB to serial adapter | COM port or USB to serial adapter | COM port or USB to serial adapter |

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