

Creating and Editing a Digital Recording

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Sources

- CD
- on hard drive file (MP3, wav etc)
- Download sites (with a "save" option)
- streaming audio/video
- External Analog Audio (Cassette Tape, Phonograph record, AM/FM Radio, TV)

Creating and Editing a Digital Recording

File Formats

- MP3
- WAV
- Etc

Content

- Music
- Voice

Creating and Editing a Digital Recording

Tools for Editing

- Computer
- Hardware
- Software

- Demonstration
- Two Recording methods
- A few editing tools and techniques

Sources

- CD – I've not tried loading and manipulating one of these yet
- Files on your hard drive (MP3, wav etc) For example:
 - ₁ C:\WINDOWS\Media\Windows XP Startup.wav
 - ₂ C:\PERSONAL\Sounds\Hal Bbetter.wav
- Download sites (with a "save" option)
- pay or for-free sound and music sites

More Sources

- streaming audio/video – from the Internet:
- --radio stations with RealPlayer or WINAMP, or Pandora, normally you can not save the “stream’



For Example this recorded from
SmoothJazz.com, via a realPlayer stream

Play Example 3 C:\PERSONAL\uchug\demoaudio\SmoothJazzDotCom.aup

Unconventional Sources

- News websites like CNN, or KFMB news stories (normally have no 'save audio' feature)

Play example

4 C:\PERSONAL\uchug\demoaudio\
aClintonYouCanXerox.aup



The screenshot shows the CNN Politics.com website. The main headline is "Obama, Clinton agree to disagree", updated at 8:17 a.m. EST on Friday, February 22, 2008. The page includes a navigation menu with categories like HOME, WORLD, U.S., POLITICS, CRIME, ENTERTAINMENT, HEALTH, TECH, TRAVEL, LIVING, and BUSINESS. Below the headline, there are "STORY HIGHLIGHTS" and a "Next Article in Politics" link. At the bottom of the article, there is a video player showing a clip of Barack Obama and Hillary Clinton sitting at a table during a debate. The video player has a progress bar at 0:07 / 4:07 and an "EMAIL" button. The browser's address bar at the bottom shows the URL: http://www.cnn.com/SHOWBIZ/

Sources continued

- External analog audio (Cassette Tape, Phonograph record, AM/FM Radio, TV)

From a cassette tape player- here is a sample I recorded from a tape (edited to a 30 second clip) Also note the mechanical 'click' at the beginning of the track. This will need to be edited.

Play example ⁵ C:\PERSONAL\uchug\demoaudio\Chapin Cat's In The CradleDemo.aup

Sources continued

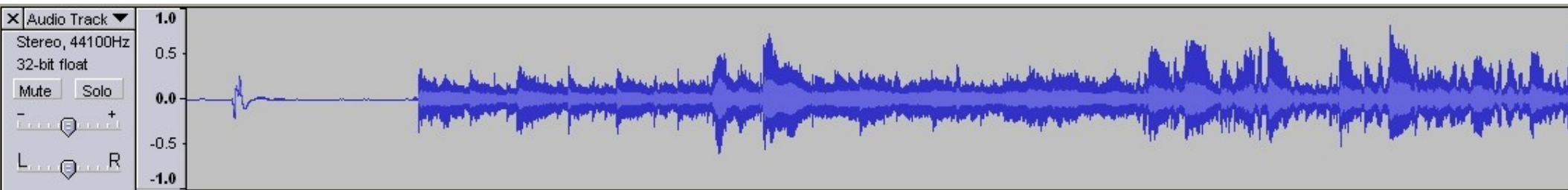
Or an example from a phonograph record
(SEE the loud click from scratch on record)

Play example `C:\PERSONAL\uchug\demoaudio\shes just a
babyWithClick.aup`

Content

- Music
- Voice

The difference is very visually very obvious in the graphical display of Hillary Clinton statement, versus Harry Chapin music



Tools for Recording and Editing

- Computer
 - Line In (stereo) on Desktop Sound Card
 - Microphone in (mono) on laptop without Line input
- Hardware
 - cables
 - adaptors

Tools for editing

- Software

- MPTrim-UCUG Library Links

<http://www.mptrim.com/>

- Audacity

<http://audacity.sourceforge.net/>

DEMO: Recording an analog source

- Using a Cassette tape, and portable player
- Cables, adaptors
- Computer input-Mic or Line In
- Software – start recording music
- Stop recording and edit
- Compare 2 examples of edited music
 - with click ₆
 - without click ₇

Editing Tools

- Cut
- Fade in, fade out
- Level adjust
- Noise Removal
- Pitch and speed adjustment
- Many more

Load an MP3 and Edit Voice file

- Load voice recording (an mp3 or a wav file)
9 C:\PERSONAL\uchug\demoaudio\GregOctUCHUG MtgClip.mp3
- Edit – cleanup, edit

SAVE to MP3 final edited file