

MP3 Files for Tape Groups

Cassette Tapes

- Limited capacity
- Bulky
- Hard to position
- Difficult to rewind
- Difficult to organize
- Must turn tape over
- Quality degrades
- Hard to copy

MP3 Files

- HUGE capacity
- Very compact
- Instant random access
- Instant precise rewind
- Easy to organize
- Unlimited recording
- Maintains Quality
- Easy & FAST to copy

MP3 Files for Tape Groups

Cassette Tapes

- Limited capacity
- Bulky
- Hard to position
- Difficult to rewind
- Difficult to organize
- Must turn tape over
- Quality degrades
- Hard to copy

MP3 Files

- HUGE capacity
- Very compact
- Instant random access
- Instant precise rewind
- Easy to organize
- Unlimited recording
- Maintains Quality
- Easy & FAST to copy

Required Equipment

Hardware

- Laptop 300 Mhz
 - CD drive
 - Flash Drive
- Patchbox/cables
- Amplified Speakers
- Remote Control (optional)

Software

- dBpowerAMP Music Converter
- mp3DirectCut editor
- Utagit tag editor
- Winamp media player
- Wplayer
- RfRemote (optional)
- Visual CD (optional)

Computer Sound Systems

Not very standardized

- Number of input jacks
 - Microphone
 - Line
 - Combined Line/Microphone
- How to enable/disable input sources
- Input levels required for Line or Microphone
- Stereo vs Mono input behavior
 - Might need Mono to Stereo adapter cable

DMC Auxiliary Input

The screenshot shows the 'dBpowerAMP Music Converter - Auxiliary Input' window. The interface includes a toolbar with 'Record' and 'Options' buttons, a 'Test Recording Level' indicator, and several input fields: 'Record' (set to 99), 'Tracks', 'Artist' (set to 'Caller'), 'Genre', 'Year' (set to 2006), 'Album' (set to 'PaceJul06'), and 'Comment' (set to 'C3'). A list of tracks from Track01 to Track11 is shown, all with checked checkboxes. A status bar at the bottom indicates 'Converting 99 Tracks'. Five blue callout boxes with lines pointing to specific fields contain the following text: 'Number of tips' (pointing to the 'Record' field), 'Dance' (pointing to the 'Artist' field), 'Caller (filename)' (pointing to the 'Artist' field), 'Level' (pointing to the 'Comment' field), and 'Year' (pointing to the 'Year' field).

Field	Value	Annotation
Record	99	Number of tips
Artist	Caller	Dance
Artist	Caller	Caller (filename)
Comment	C3	Level
Year	2006	Year

DMC Auxiliary Input Options

The screenshot shows the 'dBpowerAMP Music Converter - Auxiliary Input' window. The 'Options' button is circled in red. The 'dMC - Options' dialog box is open, showing the following settings:

- Output To:** C:\My Documents\Recordings
- File Creation:** [artist][track number xx]
- Auto Start Record After VU is Over** 5 % For 750 ms
- Auto End When VU Drops Below** 5 % For 20000 ms
- Record Using:** [Default]
- Input Source:** Select
- Quality:** 22.5 KHz

Annotations in blue boxes provide the following information:

- Where to save files:** Points to the 'Output To' field.
- What to name files:** Points to the 'File Creation' field.
- Auto start/stop:** Points to the 'Auto Start Record After VU is Over' and 'Auto End When VU Drops Below' options.
- Quality does NOTHING:** Points to the 'Quality' dropdown menu.

The main window shows 'Record 99' tracks, 'Artist: Caller', 'Album: PaceJul06', 'Genre: [blank]', 'Year: 2006', and 'Comment: C3'. The status bar indicates 'Converting 99 Tracks'.

Record (with options)

The screenshot shows the dBpowerAMP Music Converter interface. The main window is titled "dBpowerAMP Music Converter - Auxiliary Input". It features a "Record" button (circled in red), a "Record" dropdown menu set to "99", and fields for "Tracks", "Artist" (Caller), "Genre", "Year" (2006), "Album" (PaceJul06), and "Comment" (C3). A "Test Recording Level" progress bar is visible. A smaller dialog box titled "dBpowerAMP Music Converter" is open, showing conversion settings: "Converting 99 Files to Mp3 (Lame)", "Encoding: Constant Bitrate", "Bit Rate: 32 Kbps" (with a slider), "Channels: Mono", "Frequency: 22050 Hz", "Output To: C:\My Documents\Recordings", and checkboxes for "Volume Normalize", "Preserve ID Tags", "Delete Source File(s) After Conversion", and "Add to dBpowerAMP Music Collection". A "Power Pack" button with a rocket icon is also present.

Select MP3
Lame
(default)

All Square
Dance is
mono

NEVER
check this!

Bit rate slider
32 Kbps (note 1)

Sample rate
22050 (note 1)

Change this in
Options to make
permanent

Note 1: These settings affect sound quality and file size. This gives cassette tape quality.

Test Recording Level

The screenshot shows the 'dBpowerAMP Music Converter - Auxiliary Input' window. The 'Record' button is circled in red, and the 'Test Recording Level' option is also circled in red. The window displays a list of tracks (Track01 to Track11) with checkboxes. A VU Meter is visible, showing a speaker icon and a red bar indicating the recording level. The text 'Action: Testing Recording Level' is displayed above the VU Meter. The status bar at the bottom indicates 'Converting 99 Tracks'.

Record 99 Tracks Artist Caller Genre Year 2006
Options Test Recording Level Album PaceJul06 Comment C3

Track

- Track01
- Track02
- Track03
- Track04
- Track05
- Track06
- Track07
- Track08
- Track09
- Track10
- Track11

Action: Testing Recording Level

VU Meter

Optimal

End Test

Auxiliary Input

Converting 99 Tracks

Click Speaker to bring up Windows Recording Control

Recording Control

The image shows a screenshot of the dBpowerAMP Music Converter software interface. A blue callout box with the text "Options->Properties to select Recording Properties" points to the "Options" button in the main application window. The "Recording Control" dialog box is open, displaying settings for four input sources: Microphone, Line-In, CD-ROM, and Auxiliary. Each source has a "Balance" control (a three-position slider) and a "Volume" control (a vertical slider). Below the volume controls are "Select" checkboxes. The "Line-In" checkbox is checked, while the others are unchecked. An "Advanced" button is located at the bottom left of the dialog. In the background, the main application window shows a track list on the left and a metadata section on the right with fields for "Genre", "Year" (set to 2006), and "Comment" (set to C3). A level meter and "Auxiliary Input" label are also visible in the background.

Options->Properties to select Recording Properties

Recording Control

Microphone Line-In CD-ROM Auxiliary

Balance: Balance: Balance: Balance:

Volume: Volume: Volume: Volume:

Select Select Select Select

Advanced

Sonic Impact A3D Mixer

Genre Year 2006 Comment C3

Level Optimal Auxiliary Input

Recording Control Properties

The screenshot shows the 'Recording Control Properties' dialog box in dBpowerAMP Music Converter. The dialog is titled 'Recording Control Properties' and has a 'Mixer device' dropdown set to 'Sonic Impact A3D Mixer'. Under 'Adjust volume for', the 'Recording' radio button is selected. The 'Show the following volume controls:' section has checkboxes for 'Telephone', 'Microphone', 'Line-In', and 'CD-ROM', all of which are checked. The 'OK' button is highlighted with a blue box. In the background, the main application window shows a track list with checkboxes for 'Track01' through 'Track10', all of which are checked. The 'Record' button is also visible in the background.

Record 99 Tracks Artist Caller Genre Year 2006
Album PaceJul06 Comment C3

Track
[x] Track01
[x] Track02
[x] Track03
[x] Track04
[x] Track05
[x] Track06
[x] Track07
[x] Track08
[x] Track09
[x] Track10

Recording Control Properties
Options Help

Mixer device: Sonic Impact A3D Mixer

Adjust volume for:
 Playback
 Recording
 Other Voice Commands

Show the following volume controls:
 Telephone
 Microphone
 Line-In
 CD-ROM

OK

Make sure Recording is selected

Check boxes for ALL volume controls

OK

Recording Control

The screenshot shows the 'Recording Control' window of dBpowerAMP Music Converter. The window has a blue title bar and a menu bar with 'Options' and 'Help'. It features several input sections: Telephone, Microphone, Line-In, StereoMixer, and MonoMixer. Each section includes a 'Balance' control with a slider and a 'Volume' control with a vertical slider. Below each section is a 'Select' checkbox. The 'Line-In' checkbox is checked, and a blue callout box with a white border points to it, containing the text: 'Select ONLY the input you will use (Line or Microphone)'. The 'Advanced' button is located at the bottom left of the window. The background window shows a track list with 'Track01' through 'Track10' and a 'Converting' button.

Some computers allow multiple inputs to be selected at same time!

Recording Control Properties

The image shows a screenshot of the dBpowerAMP Music Converter - Auxiliary Input window. The main window has a menu bar with 'Record' and 'Options'. Below the menu bar, there are fields for 'Record' (set to 99), 'Tracks', 'Artist' (set to 'Caller'), 'Genre', 'Year' (set to 2006), and 'Comment' (set to 'C3'). A list of tracks is visible on the left, with checkboxes for 'Track01' through 'Track09'. The 'Recording Control' dialog box is open, showing the 'Properties' tab. The 'Mixer device' is set to 'Sonic Impact A3D Mixer'. Under 'Adjust volume for', the 'Recording' radio button is selected. Below this, there is a section 'Show the following volume controls.' with a list of checkboxes: 'Telephone' (unchecked), 'Microphone' (unchecked), 'Line-In' (checked), and 'CD-ROM' (unchecked). The 'OK' button is highlighted with a blue box. A blue callout box points to the 'Options' menu with the text 'Options->Properties again'. Another blue callout box points to the 'Recording' radio button with the text 'Uncheck all boxes except the one you are using'. A third blue callout box points to the 'OK' button with the text 'OK'.

Options->Properties again

Uncheck all boxes except the one you are using

OK

Recording Control

The screenshot shows the dBpowerAMP Music Converter application window. The main window has a menu bar with 'Record', 'Options', and 'Test'. Below the menu bar, there are fields for 'Genre', 'Year' (set to 2006), and 'Comment' (set to C3). A list of tracks is visible on the left, with checkboxes for 'Track01' through 'Track08'. A 'Recording Control' dialog box is open, showing a 'VU Meter' with a red bar graph and a slider. The dialog also has an 'End Test' button and an 'Auxiliary Input' label. A blue callout box points to the 'End Test' button with the text 'Adjust volume level and click End Test'. Another blue callout box points to the 'VU Meter' area with the text 'You now have single volume control'. The 'Recording Control' dialog also has a 'Volume:' section with a vertical slider and a 'Select' checkbox.

You now have single volume control

Adjust volume level and click End Test

Action: Testing Recording Level

VU Meter

Optimal

Auxiliary Input

End Test

Record Options Test

Genre Year 2006

Comment C3

Track

Track01

Track02

Track

Converting

Re...

Options Help

Line-In

Balance:

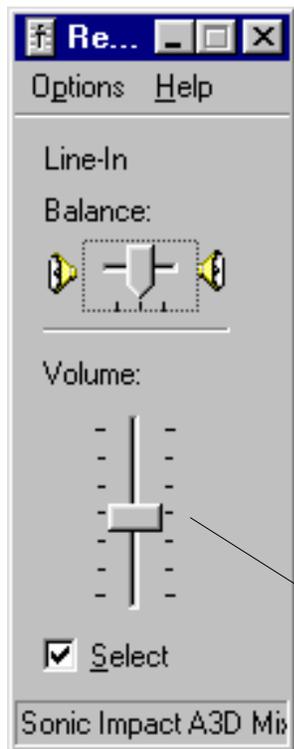
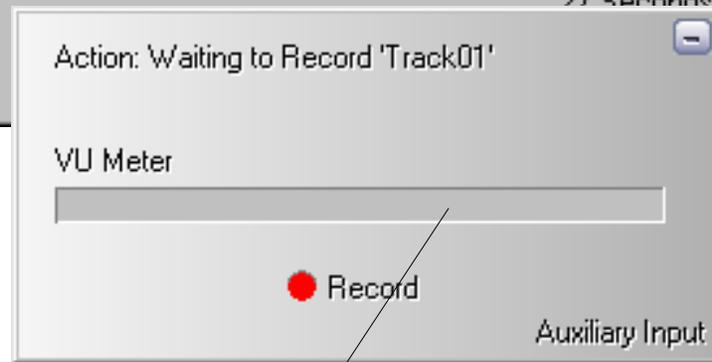
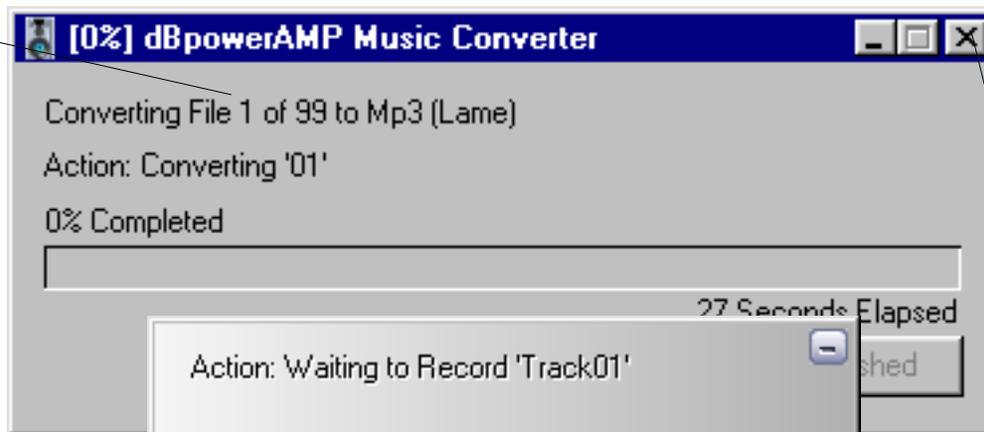
Volume:

Select

Sonic Impact A3D Mix

Recording

Count "tips" recorded



Recording level (peaks 1/2 to 2/3)

Adjust level

Close window to stop recording



Mp3DirectCut





Mp3DirectCut Select Start



The screenshot shows the mp3DirectCut application window titled "Ceder01.mp3 - mp3DirectCut". The interface includes a menu bar (File, Edit, Special, List, Settings, ?), a large audio waveform display, and a control panel at the bottom. The control panel is divided into "Nav" (Navigation) and "Audio" sections. The "Nav" section contains buttons for navigation (left, right, home, end) and a progress indicator showing "Total: 9'59.88 Now: 0'46.89 (7%)". The "Audio" section contains buttons for editing (Cut, Edit, Set begin, Set end) and playback (Rew, Stop, Play, Rec). A status bar at the bottom indicates "MPEG2.0 Layer 3, 32 kbps, 22 kHz, Mono".

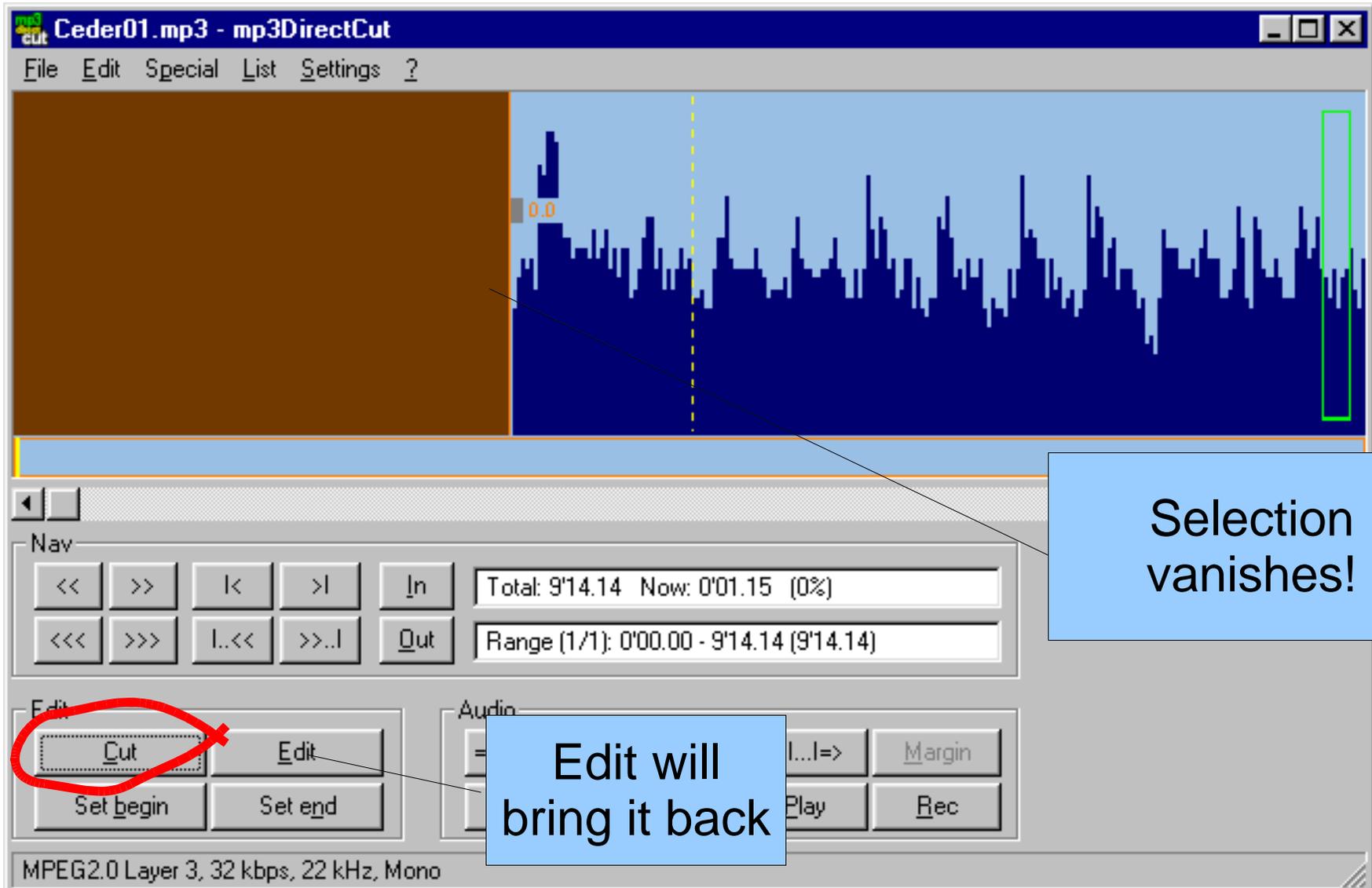
Drag and Drop to open MP3 file

Click and Drag to select

Spacebar toggles Play/Stop to listen



Mp3DirectCut Cut Start





Mp3DirectCut Select End

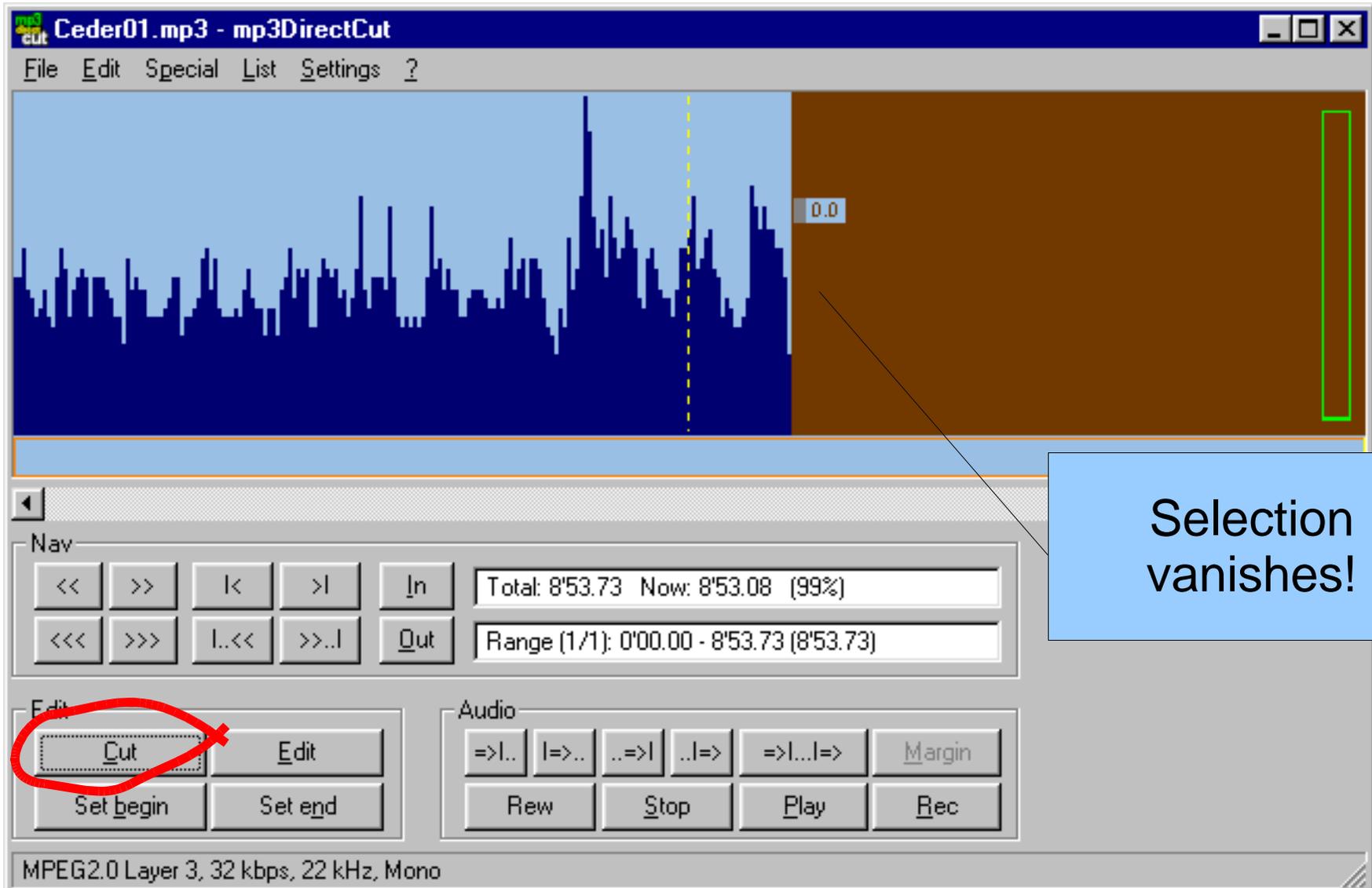


The screenshot shows the mp3DirectCut software interface. The title bar reads "Ceder01.mp3 - mp3DirectCut". The menu bar includes "File", "Edit", "Special", "List", "Settings", and "?". The main window displays a waveform of an audio file. A vertical dashed yellow line is positioned at the end of the audio signal. A light blue selection box is drawn over the end of the waveform, extending to the right edge of the window. A green rectangular box is also visible on the right side of the waveform area. Below the waveform is a navigation and editing control panel. The "Nav" section contains buttons for navigation and a status display showing "Total: 9'14.14 Now: 8'53.08 (96%)". The "Selection" display shows "Selection: 8'53.73 - 9'14.14 (0'20.40)". The "Edit" section contains buttons for "Cut", "Edit", "Set begin", and "Set end". The "Audio" section contains buttons for "Rew", "Stop", "Play", "Rec", and "Margin". The status bar at the bottom indicates "MPEG2.0 Layer 3, 32 kbps, 22 kHz, Mono".

Select "quiet" at end



Mp3DirectCut Cut End





Mp3DirectCut Cut Normalize



The screenshot shows the mp3DirectCut application window titled "Ceder01.mp3 - mp3DirectCut". The menu bar includes "File", "Edit", "Special", "List", "Settings", and "?". The "Edit" menu is open, showing options such as "Tag [D3 and file info...", "Cut", "Copy", "Paste", "Undo selection change", "Remove selection", "Select All", "Select current part", "Remove selected elements", "Gain...", "Create simple fade", "Normalize...", "Pause detection...", "Names and part properties...", and "Set Cue flag for all simple split points". The "Normalize..." option is highlighted in blue. A blue callout box with the text "Normalize to maximize signal level" points to the "Normalize..." menu item. The main window area displays a waveform with a vertical dashed yellow line and a "0.0" label. Below the waveform are playback controls and a status bar at the bottom indicating "MPEG2.0 Layer 3, 32 kbps, 22 kHz, Mono".



Mp3DirectCut Cut Normalize



Normalize selection

Seeking maximum gain. This may take a while, because data must be internally decoded (Note: ACM is faster than mpglib.dll).

dB

+48

0

-24

Stop

Peak found: -1.8 dB

Level change: +1.5 dB

OK Cancel

Tells how much level increased

Total: 8'53.73 Now: 8'53.08 (99%)

Range (1/1): 0'00.00 - 8'53.73 (8'53.73)

Edit

Cut Edit

Set begin Set end

Audio

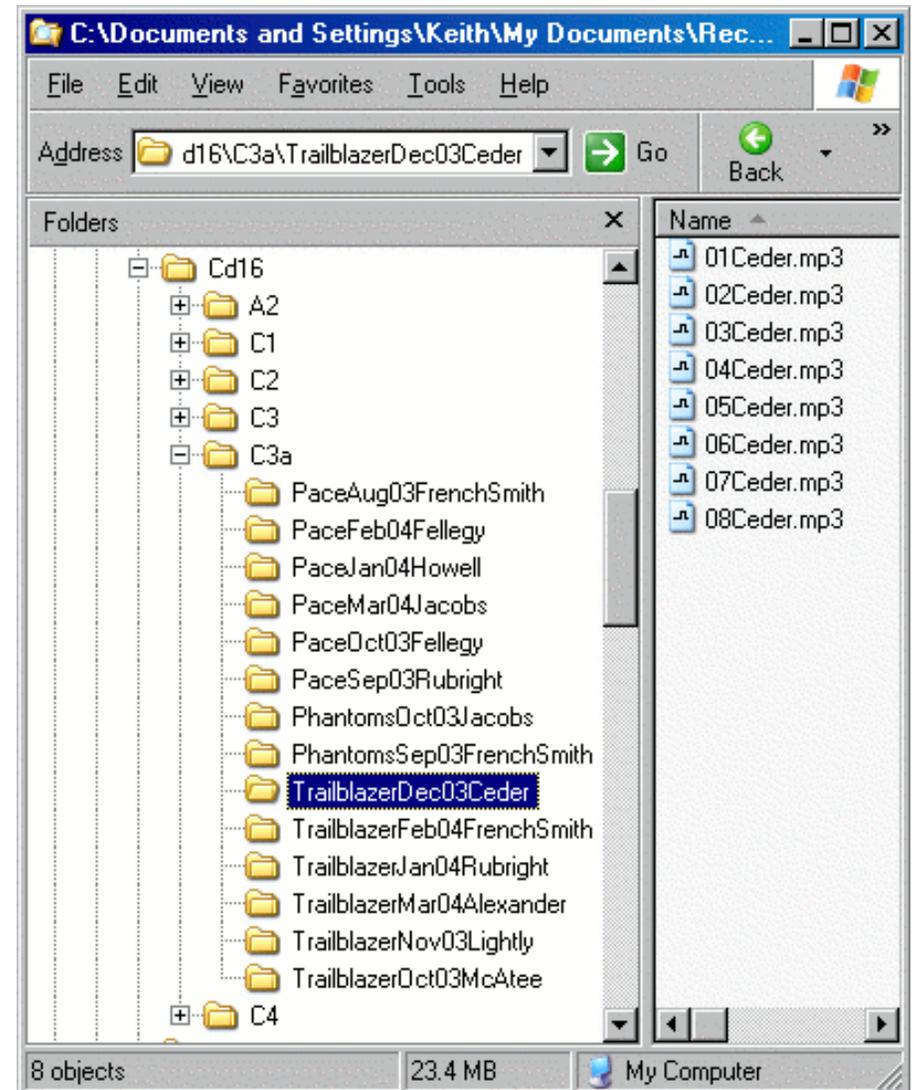
=>|.. |=>.. ..=>| ..|=> =>|...|=> Margin

Rew Stop Play Rec

MPEG2.0 Layer 3, 32 kbps, 22 kHz, Mono

Keeping MP3 Files Organized

- File naming convention
- Folder naming
- Organize by Level, Dance, Caller
- Searching
- MP3 ID3v1 Tags
- Keep Backups
- Keep Backups
- Keep Backups



TagIt UTagit TagIt

The screenshot shows the Utagit application window with the following elements:

- Mode:** Radio buttons for Edit, View, Update, and Auto Update (selected).
- Update:** A checkbox that is checked.
- Auto Increment:** A checkbox that is checked.
- Track:** Text input field containing "1".
- Genre:** Dropdown menu showing "(none)".
- Title:** Text input field containing "Tip01".
- Artist:** Text input field containing "Ceder".
- Album:** Text input field containing "PaceJun06".
- Year:** Text input field containing "2006".
- Comment:** Text input field containing "C3a".
- Update:** A button at the bottom center.

On the left side, three blue boxes with white text are connected to the application by lines:

- Caller** points to the Artist field.
- Dance** points to the Album field.
- Level** points to the Comment field.

Drag and Drop files onto Utagit window to edit the MP3 ID3v1 tags.

MP3 ID3v1 Tags

- Permanently label files with useful data
 - Artist (caller)
 - Album (dance)
 - Comment (level, etc.)
 - Year
- Windows Explorer can display tags in columns
- Programs can search based on tags
- Identifies file even if moved to wrong folder
- Media players can display MP3 tag information



Winamp



Player

Equalizer

Playlist
(shows tags)

Optional
Plugins

The screenshot shows the Winamp interface with three windows open:

- WINAMP Player:** Displays the current track "1. Bryant - Track16 C4 (13:32)", playback progress, and control buttons like play, stop, and shuffle.
- WINAMP EQUALIZER:** Shows frequency sliders for PREAMP, 60, 170, 310, 600, 1K, 3K, 6K, 12K, 14K, and 16K. The PREAMP is set to +0db.
- WINAMP PLAYLIST:** Lists tracks with their durations:

Track	Artist	Duration
1.	Ceder - Track01 C3a	13:32
2.	Ceder - Track02 C3a	13:01
3.	Ceder - Track03 C3a	12:15
4.	Ceder - Track04 C3a	13:55
5.	Ceder - Track05 C3a	12:02
6.	Ceder - Track06 C3a	12:34
7.	Ceder - Track07 C3a	16:03
8.	Ceder - Track08 C3a	9:13

The Pacemaker v1.1 plugin interface includes the following controls:

- Control:** A section header.
- Tempo:** A slider set to +100%.
- Pitch:** A slider set to +0.00 oct.
- Speed:** A slider set to +0%.



Wplayer



Wplayer - C:\Documents and Settings\Keith\My Documents\Re... [min] [max] [close]

File Edit Play Options Help

Version 1.22

Playlist

Playing 1 of 42 1. Ceder - Track01 C4 - Winamp

Position Tip Length

Counter Tip Timer

0:12 **11:47**

Play/Pause (space) Tip Timer (F12/T) Sound Off

Zero (End/F9/Z) Rewind (Home/F11/R)

<<5 Seconds (F5/B/←) 5 Seconds>> (F8/F/→)

<<Last Tip (F6/P) Next Tip>> (F7/N)

Position from start of file

Position from Zero

Buttons and keyboard shortcuts for most functions

Time left in tip

Visual indication at end of tip

Wplayer Features

- “Tape” counter to mark start of sequence
- Instant rewind back to zero
- Tip timer, reminds you when to rotate dancers in
- Auto backup after pause (never miss a word)
- Convenient keyboard shortcuts (e.g. Spacebar for play/pause)
- Resumes at last zero when file opened again
- Programmable tip timer sound (have fun)
- BIG position and timer displays, easy to read

Wplayer and Winamp Operation

- Add files to Winamp playlist (drag/drop files/folders)
- Save Winamp playlist file (m3u file)
- Open playlist with Wplayer (Play->Open Playlist)
- Save tape group file with Wplayer (File->Save As)
- Now Wplayer will remember last zero position when it is closed.
- Open tape group file (grp file) with Wplayer, or drag and drop grp file to Wplayer, and it resumes from where you left off
- Keep multiple playlists and tape group files. Wplayer knows where you left off on each one!



RF Remote Control



- RF overcomes line-of-sight problems of IR remote controls
- No one needed to sit and run the computer
- No problem if there are only 8 people
- Play/Pause, skip Forward/Back, Zero, Rewind, Tip Timer all controlled by remote control
- Receiver connects via USB
- Transmitter attaches to belt
- Compatible with Windows 98 through XP
- General purpose, control any Windows application

This Presentation Produced With



Open Office

the Free Open Source Office Suite