

Analog

vs

Digital Music

Should I Change?

DIGITAL RECORDING

- For full detail on Digital recording

Visit:

- http://arts.ucsc.edu/EMS/Music/tech_background/TE-16/teces_16.html
- OR
- www.highcriteria.com
 - (Left Menu .. Primer on PC Audio)
- Both of these sites have good explanations of the Digital process

IN BASIC TERMS

- Our music, for the most part (because we are recording vinyl (analog) onto PC's), will only ever be digitally enhanced not true digital music.
- Going Digital should be considered another tool in your toolbox
- Also, understand it is a caller/cuer convenience - not a dancer necessity!

Understanding the Terms

➤ **MP3**

➤ Is short for MPEG3, which stands for **Motion Picture Experts Group, Audio Layer **3**.**

- The technology creates sound files 1/10th the size of standard CD music files with very little loss of sound quality. Typically 1 MB is equal to one minute of music

➤ **WMA**

➤ **Windows Media Audio. Used exclusively on Windows operating systems.**

- Also a compressed near CD quality recording format

Understanding the Terms

- **WAV** file format was developed jointly by Microsoft and IBM as the standard format for sound on PCs.
- WAV sound files end with a .wav extension
- WAV files are the most common standard for recording audio in a Windows environment.
 - Within the WAV format, quite a number of different compression methods may be used. A number of these compression methods are available as a standard part of the Windows operating systems

Understanding the Terms

- It is recommended that .wav files be left in the original uncompressed state if file editing is going to be done.
- On a store purchased CD, or even one you make on your PC, the file extension will be .cda. Which means Compact Digital Audio
- This format is used to enable play in any type of CD player. Home, Auto, Portable or PC

Understanding the Terms

- Unlike MP3 or WAV files that can reside on your PC you require a .cda – MP3 or a .cda to WAV converter if you wish to store these CD files on your computer or make your own CD's or mini disks from a computer.
- Here are a few converters:
 - There are more on the net
 - Audio Catalyst ... Alto MP3 maker
 - TS-audio MP3 ... CD to MP3 Ripper
 - Windows Media Player 10 for XP

Digital Tools!

CD's



iPod



Mini Disk



Laptop Computer



The PC Recording Process

- There are no hard and fast rules
- What I am going to demonstrate is the method I use
- There are several pieces of software on the market today that are very good Here are a few
 - Adobe Audition
 - Gold Wave
 - Audacity by Sound Forge
 - Sonic Foundry
 - Steinberg's WaveLap
 - **They range in price from \$0.00 – \$400.00+**

To Create The Music File

- You require a reasonably fast PC with a high quality sound card.
 - Must have a Line-in or **High Definition Audio** port not just a mic input. Or the ability to add an external (USB or PCMCIA) Sound Card
- I would suggest at least a Pentium III with minimum 512k of RAM.
- Hard drive size determines how many files you can store.
 - 30 - 40 gig should be considered minimum.
 - My laptop is an Intel P-IV, 2.6 gig -1gig RAM / 60 gig hd. It is very sufficient to perform
 - I do record and edit with this computer

Computer Music Programs

- Adobe Audition 1.0. (used to be Cool Edit Pro)
 - I Use this program for all my recording and editing
 - This program runs about \$299.00. If you had Cool Edit Pro, you can get the upgrade for \$ 99.00.
- WinAmp version 5.+ with Pacemaker v1.32
 - This is good for playback - easy to use, has a playlist
 - This program also offers an equalizer and pitch & speed controls
 - WinAmp Is shareware and is free on the internet – Pacemaker requires a payment of \$ 9.90.
- Windows Media Player
 - This is also good for playback, easy to use, has a playlist
 - Included with all Windows operating systems.
 - No Pitch or Speed Control

Music Management

- There are several very good “Music Management” programs available from our S/D suppliers and also from a number of callers who are or have connections with programmers
- They all have solid merit and serve specific purposes. It just depends on what you want the program to do for you and how much you want to invest in this process.
- Here are the four most popular

- Library
- [TITLE]
- A 1061
 - A Love Song (I Want T
 - A Ragtime Call
 - 'A' You're Adorable
 - Achy Breaky Heart (W
 - After The Lovin'
 - Ain't Misbehavin'
 - Alabama Jubilee
 - All I Need To Know
 - All My Loving
 - All Of Me
 - All Wrapped Up In You
 - Almost Like Being In L
 - Alpine Hoedown
 - Amarillo By Morning (T
 - American Pie
 - Angels Among Us
 - Another Sleepless Nig
 - Any Old Time (Lq)
- Filter Song Type
- Show All Types
 - Show SC
 - Show HD

Cue Sheet Viewer

"A" YOU'RE ADORABLE = 1944

Op. & Cl... SIDES FACE GRAND SQUARE:

A - YOU'RE ADORABLE, B- YOU'RE SO BEAUTIFUL ..

C - YOU'RE A CUTIE FULL OF CHARM ..

D - YOU'RE A DARLING AND E- YOUR EXCITING AND

F - YOU'RE A FEATHER IN MY ARMS (CIRCLE LEFT)

G - YOU LOOK GOOD TO ME .. H- YOU'RE SO HEAVENLY

LEFT ALLEMANDE .. SWING YOUR OWN AND PROMENADE

IT'S FUN TO WANDER THROUGH, THE ALPHABET WITH YOU

TO TELL YOU WHAT YOU MEAN TO ME ..

FIGURE...

FOUR LADIES CHAIN .. 3/4 ROUND .. WILL DO ..

HEADS PROMENADE.. 3/4 ROUND.. SIDES SQUARE THRU

3/4 ROUND YOU DO .. MEET THE OUTSIDE TWO & CIRCLE 4

Print

'A' You're Adorable - Instrumental

Rew Play FF

Pause Stop Fade

Volume

Pitch Tempo

-12% 0 +12% -25% 0 +25%

BPM 125 Set BPM

A Looping Control B

Open 1st 2nd Break 3rd 4th Close

Loop Start: 00:34.000 Loop End: 03:24.000 Use Loop

Exit Looping

Tip Timer: 5 mins. Hide EQ

Elapsed Remaining Use EQ

EQ Graph: 12db, 0db, 12db, 60, 170, 310, 600, 1k, 3k, 6k, 12k, 14k, 16k

sqmp3.com - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://sqmp3.com/manual/Sqmp3Gold.htm

Dave Wilson's sqmp3 Gold

File Tempo Pitch Shift Fade Timer Lyrics Definitions Lists Looping BPM Remote Record Play to End Updates Color History About Help

Current Song
Eurovision 2001 20 Estonia.mp3

Cued Patter
Eurovision 2001 20 Estonia.mp3

Cued Singer
Build Me Up Buttercup.mp3

Current Favorite File
brannenburg.ft

Favorites

- 031128new.ft
- anne.ft
- bjorn.ft
- bond.ft
- bran pat.ft
- bran? ft

Effects

124.49 **BPM** 124.49

Volume

Tempo = 0

Samplerate = 44100Hz

Pitch Scaling = 0 semitones

Bass Mid Treble

6 0 10

Default

Favorite mp3 Folders

- G:_all music
- G:_SQmp3
- G:_all music\japan and DW
- G:_all music\new square dance sir
- G:_all music\sing-a-long
- G:_all music\concert mp3
- G:_all music\music new
- G:_all music\new perform
- G:_all music\bond

mp3 Folder

- G:\
- _all music
- japan and DW

Clock/Timer

3:04:10 AM

9:14

Counter

01:48 of 02:56

Loop at: 01:48

Go to position: 00:00 / 00:00

File Info

Stereo

Bits per Sample: 16

Freq: 44100

Avg. Bytes/Sec.: 176400

Favorite Patter Sorted

- LBJ - GMP 0504.mp3
- Eurovision 2001 20 Estonia.mp3
- Dance_X_B.mp3
- soul man.mp3
- venus.mp3
- 1 800 - SIR 0504.mp3
- 10 20 Hoedown - HH 0648.mp3
- 10 20 Hoedown - HH 648a.mp3
- Alabama Jubilee.mp3
- American Medley.mp3
- An American Trilogy.mp3

Favorite Singers Sorted

- venus.mp3
- Build Me Up Buttercup dw sq.mp3
- Build Me Up Buttercup.mp3
- DW At This Moment.mp3
- DW more.mp3
- 16 Ton.mp3
- 10 20 Hoedown - HH 0648.mp3
- 10 20 Hoedown - HH 648a.mp3
- A LITTLE BIT MORE A1014.mp3
- Amarillo By Morning.mp3
- AMIE AR105.mp3

mp3Files: 47

- all I ask of you patter.mp3
- and i love you so.mp3
- bass.mp3
- boys of glass.mp3
- Boyzone - No Matter What tm 14.mp3
- Boyzone - No Matter What tm 30.mp3
- Boyzone - No Matter What tm 8.mp3
- Boyzone - No Matter What.mp3
- Dance_X_B.mp3
- denmark eurovision - never ever gonn
- DW At This Moment.mp3

CSDS Sample Screen: Edit Music Database - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://www.ceder.net/cdsd/screen_shots/cdsd_frmusiceditdatabase.php4

CSDS Sample Screens: [Music Player](#) | [Edit Music Database](#) | [Call From Screen](#) | [Edit Sequence](#) | [Find Getout](#)

File Edit Item

File C:\SQDATA\MP3\Rock'nInRosalie'sBoat-Chaparral-202.mp3

Title Rock'n In Rosalie's Boat

Label Chaparral

Label # 202

Rating 5 = Excellent

Chaparral RECORDS

Flags

- Exciter (X)
- From Bruce Johnson
- Jazz (J)
- Line (L)
- New (N)
- Oldtime called (O)
- Palter (P)
- Piano (I)
- Popular (U)
- Round (R)
- Sing-A-Long (A)
- Singing call (S)
- Singing calls to learn
- Special Events (E)

Loop Start Time 00:08.778 Frame 0 Rhythm -

Loop End Time 03:39.449 Frame 0 Phase -

Duration 03:52.673 0 Key of -

% Tempo 0.0 B.P.M. 130.5

Artist(s) Jerry Hoag

Comments

Cue Sheet C:\SQDATA\Cue Sheet\Rock'nInRosalie'sBoat-Chaparral-20

Lyrics

Date added 21-Feb-00

Loop values and BPM should be modified via the appropriate tabs on the Music Player

OK Cancel

Player [Winamp 5.03]

Chaparral 202

Rock'n In Rosalie's Boat

An all-time favorite

opener | I | II | middle | III | IV | closer

A Automatic loop 130.4 bpm

Playing 02:29.157

W P F L

Flags: S M = hide or show Music Player Rating: 5 = Excellent

Load Controls Mixer Lqop Player Bpm Markers Timer Help

Tempo 0.0% 130.4 bpm

Pitch 0.0 steps

Volume 100%

Balance 50:50 PaceMaker plug-in found

Master Volume may be adjusted via the Mixer tab

- 1 - Music
- 2 - Lyrics
- 3 - List
- 4 - Definitions
- 5 - Start
- 6 - Figure
- 7 - Home
- 8 - Getout
- 9 - Sing
- 0 - Odd
- + - Notes

Current

Welcome to SqView

Autostart
 Tracking
 Slower

Continue

Next:

Level

L - R

Time: 35:54

Total: 11

Loop

Loop Start 0:00

Autoloop: Stop 0:00

Keychange: Start 0.00

0

Counter

0:00 of 0:00

Markers

Properties

Tempo 0

Pitch 0

Speed 0

Volume 100

Timer



0:00

Time: 60:17

Total: 15

C:\Dance Music\Hoedowns\Disk # 1

Label	Titel	Le...	Type
05	A-Team-Looped	3:21	MP3
06	Are You Teasing Me-Looped	3:27	MP3
10	Don't Blame It All On Me-Looped	3:03	MP3
01	Easy Rhythm-Looped	3:13	MP3
03	Four Leaf Clover-Looped	3:04	MP3
02	Gonna Miss Me-Looped	3:08	MP3
04	Ho-Down-Looped	3:21	MP3
07	Josh-Looped	3:21	MP3
09	Picker Patter-Looped	3:12	MP3
11	Scott's Hoedown-Looped	3:23	MP3
08	Smooth & Easy-Looped	3:21	MP3

C:\Dance Music\Singing Calls\MD # 02

Label	Titel	Le...
01	Up A Lazy River RR-240	4:03
02	Oh Lonesome Me RR-183	3:56
03	Summertime RR-126	4:02
04	I'll See You In My Dreams BS-2441	3:59
05	Baby Your Baby GMP-926	4:07
06	Secret Love RB-3046	3:56
07	Your Love Amazes me GMP-905	4:09
08	Five O'Clock World RR-236	3:57
09	I Found A New Baby BS-2263	4:05
10	The Colours Of The Wind HH-5198	4:03
11	Long Train Running RYL-228	3:55
12	Irresistible You GMP-916	4:00
13	Western Skies RR-231	4:03
14	My Heart Skips a Beat RYL-311	3:57

Cards

Couples

10

Letter

A

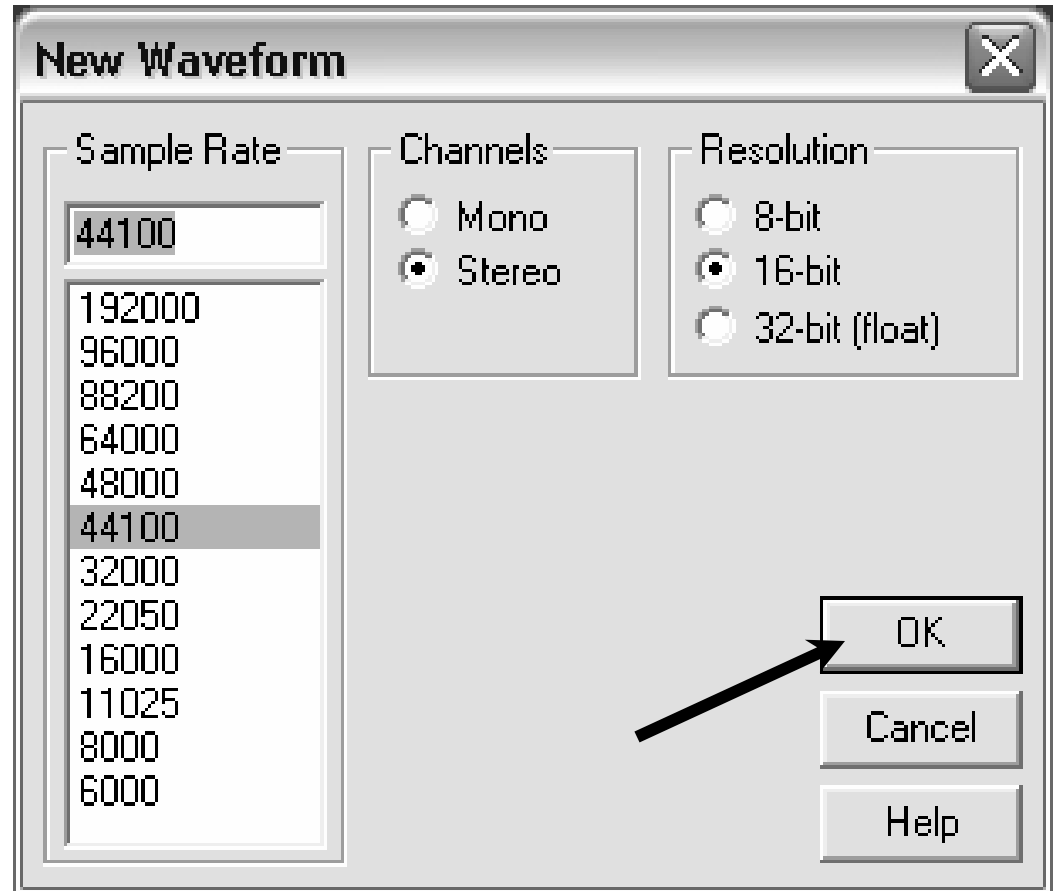
CPU - %

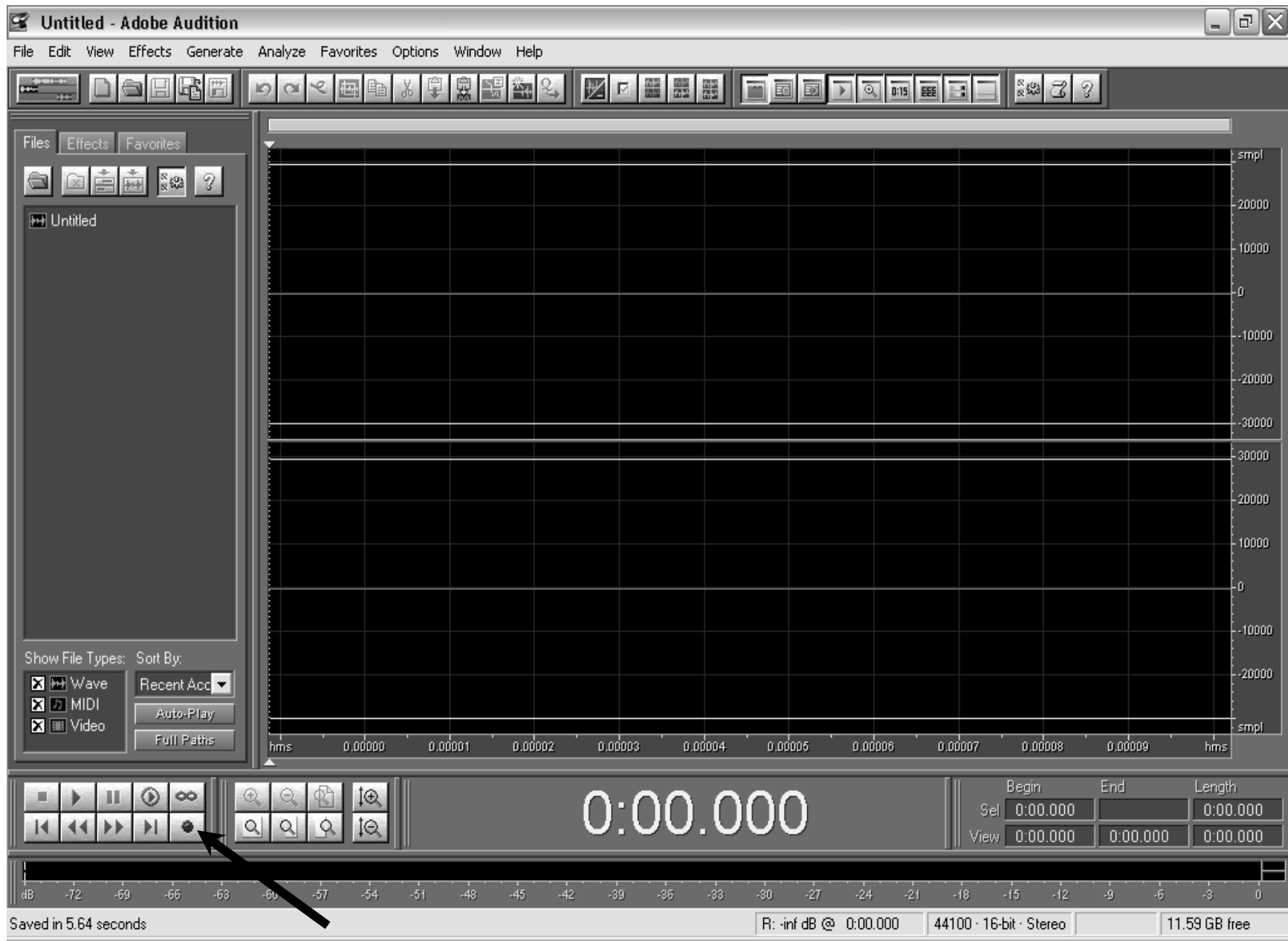
0

How to Record with Audio Audition

This screen is the default New Files Screen

- 44100 is the standard CD Quality Sample Rate
- Stereo or Mono is your option. File size is bigger in stereo
- 16 Bit Resolution is the Professional CD Standard





Save Recording as an uncompressed .wav file

The screenshot displays the Adobe Audition interface with the following elements:

- Title Bar:** Stawberry Patch-16 Bit Stereo - Original.wav - Adobe Audition
- Menu Bar:** File Edit View Effects Generate Analyze Favorites Options Window Help
- Toolbar:** Contains various editing and playback icons. An arrow points to the 'File' menu.
- File Browser (Left Panel):** Shows 'Stawberry Patch-16 Bit Ster...' and 'Untitled'.
- Waveform Display:** Four tracks showing audio waveforms. The vertical axis is labeled 'smpl' with values from -30000 to 20000. The horizontal axis is labeled 'hms' with values from 0:10 to 3:30.
- Transport Control Bar:** Includes play, stop, and other controls. The time display shows '0:00.000'.
- Status Bar:** Shows 'Opened in 0.53 seconds', 'R: -13.9dB @ 1:44.126', '44100 · 16-bit · Stereo', '38.48 MB', and '19.69 GB free'.

Editing The Music Track

There are four basic adjustments you may wish to make:

- Volume
- Click/Pop & Hiss Removal
- Tempo and/or Pitch
- Trim

Volume Adjustment

The screenshot shows the Adobe Audition interface with the 'Effects' menu open. The 'Amplify...' option is highlighted, and an arrow points to it. The main window displays a waveform of a stereo audio file. The interface includes a menu bar, a toolbar, a left-hand panel with file and effects lists, a central waveform display, a transport control bar with a digital time display of 0:00.000, and a bottom status bar.

File Edit View **Effects** Generate Analyze Favorites Options Window Help

- Invert
- Reverse
- Silence
- Amplitude**
 - Amplify...**
 - Binaural Audio Banner...
 - Channel Mixer...
 - Dynamics Processing...
 - Envelope...
 - Hard Limiting...
 - Normalize...
 - Pan/Expand...
 - Stereo Field Rotate...
- Delay Effects
- Filters
- Noise Reduction
- Special
- Time/Pitch
- Enable DirectX Effects
- Refresh Effects List

hms 0:10 0:20 0:30 0:40 0:50 1:00 1:10 1:20 1:30 1:40 1:50 2:00 2:10 2:20 2:30 2:40 2:50 3:00 3:10 3:20 3:30 hms

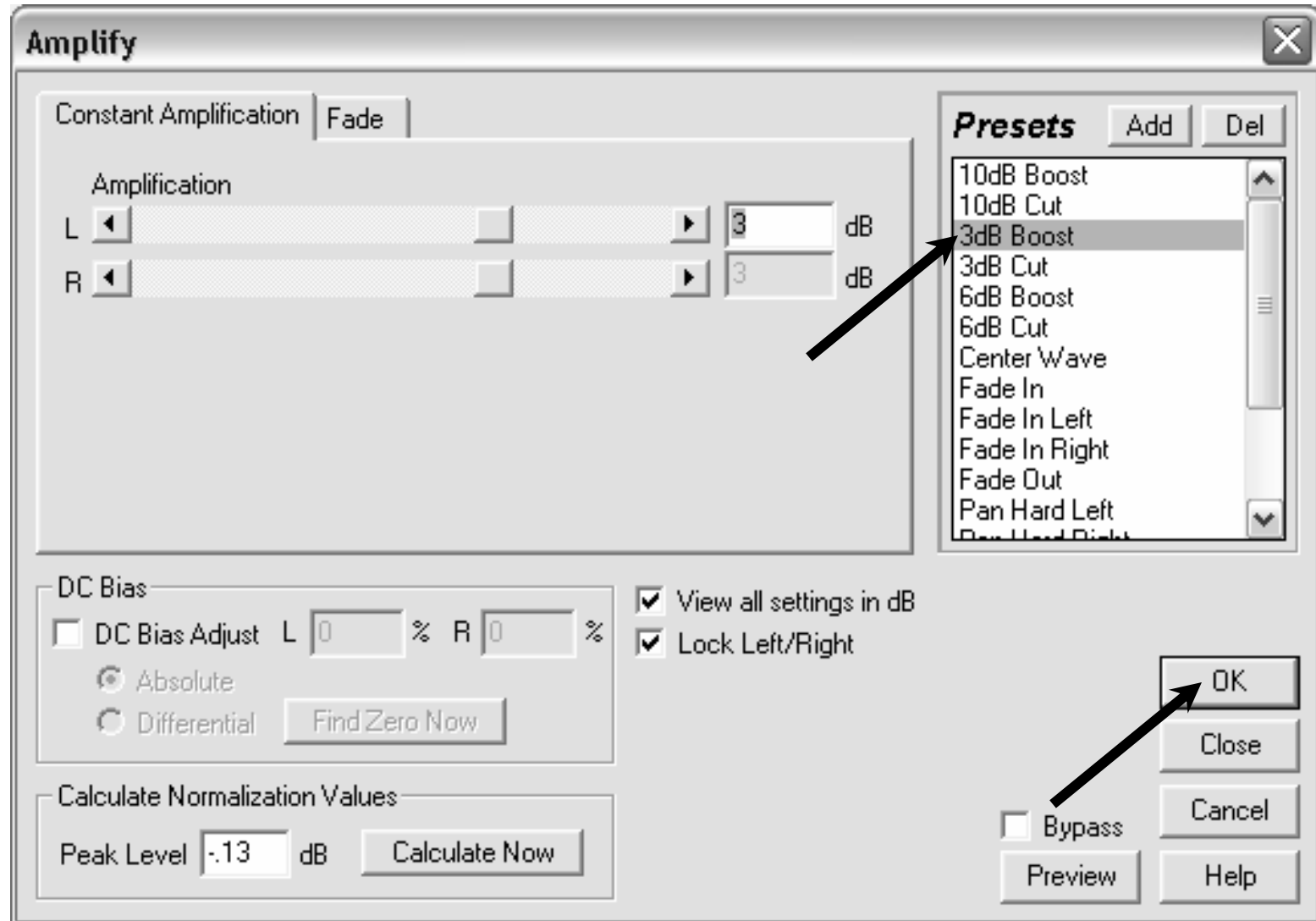
0:00.000

	Begin	End	Length
Sel	0:00.000	3:43.399	3:43.399
View	0:00.000	3:43.399	3:43.399

dB -72 -69 -66 -63 -60 -57 -54 -51 -48 -45 -42 -38 -36 -33 -30 -27 -24 -21 -18 -15 -12 -8 -6 -3 0

Opened in 5.66 seconds L: -4dB @ 0:11.504 44100 · 16-bit · Stereo 38.48 MB 11.67 GB free

Volume Adjustment



Clicks and Pops

The screenshot displays the Adobe Audition interface for a file named "Stawberry Patch-16 Bit Stereo - Original.wav". The "Effects" menu is open, and the "Click/Pop Eliminator" option is highlighted. The interface includes a menu bar, a toolbar, a file browser, a waveform display, and a control panel at the bottom. The waveform shows two channels of audio with a time axis from 0:10 to 3:30 and an amplitude axis from -30000 to 30000 samples. The control panel shows a playhead at 0:00.000 and a volume level of -inf dB.

File Edit View **Effects** Generate Analyze Favorites Options Window Help

Invert
Reverse
Silence

Amplitude
Delay Effects
Filters

Stawberry P
Noise Reduction
Special
Time/Pitch

Enable DirectX Effects
Refresh Effects List

Click/Pop Eliminator
Clip Restoration...
Hiss Reduction...
Noise Reduction...

Show File Types: Sort By:
Wave
MIDI
Video

Recent Acc
Auto-Play
Full Paths

0:00.000

	Begin	End	Length
Sel	0:00.000	3:43.399	3:43.399
View	0:00.000	3:43.399	3:43.399

dB -72 -69 -66 -63 -60 -57 -54 -51 -48 -45 -42 -39 -36 -33 -30 -27 -24 -21 -18 -15 -12 -9 -6 -3 0

Opened in 5.66 seconds L: -inf dB @ 0:01.601 44100 · 16-bit · Stereo 38.48 MB 11.67 GB free

Select the Correct Preset

Click/Pop Eliminator

Detection

Thr

40

20

dB -70 -60 -50 -40 -30 -20 -10 0

■ Detect

■ Reject

Auto Find All Levels

Sensitivity 14

Discrimination 20

Presets

Add Del

Constant Hiss and Crackle

Hiss + Lots of Clicks

Medium Amplitude Audio

Old Record - Quiet Audio

Lower Sensitivity finds more clicks

Lower Discrimination fixes more clicks

Lower Detection to find more clicks.

Lower Rejection to fix more clicks.

Lower Big Pops level to find more.

Detection levels range from 6 to 60

Rejection levels range from 1 to 100

Find Threshold Levels Only

	Max Threshold	Avg Threshold	Min Threshold	Detect	Reject
	-15 dB	-40 dB	-65 dB	35	45
				25	30
				12	15

Second Level Verification

Pulse Train Verification

Link Channels

Smooth Light Crackle

Detect Big Pops 45

Multiple Passes 8

Correction

FFT Size 32 Auto

Pop Oversamples 12 samples

Run Size 14 samples

Fill Single Click Now

Corrected: 89

Rejected: 72

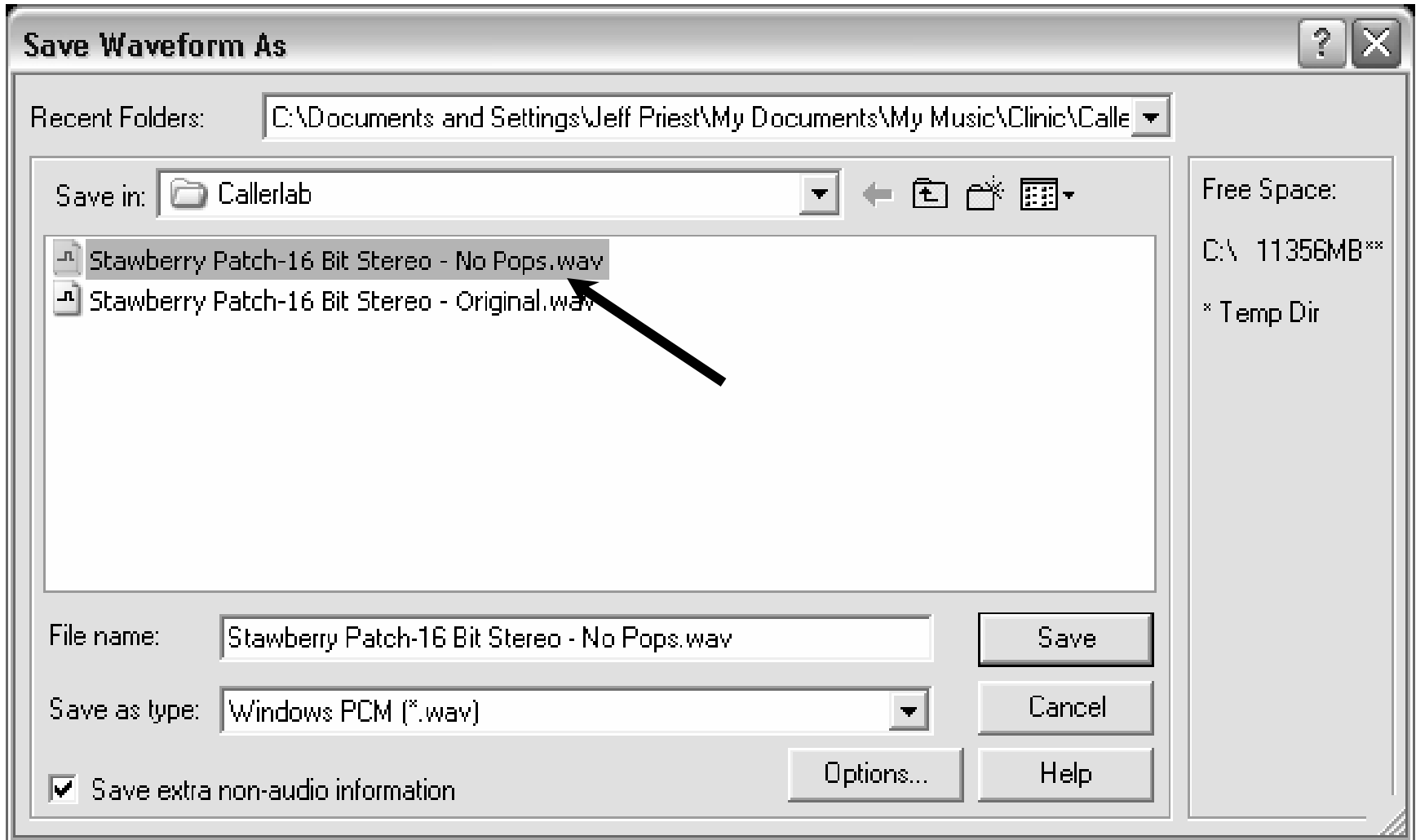
OK

Close

Cancel

Help

Resave “with a new name” .wav



Background Hiss

The screenshot shows the Adobe Audition interface with a waveform of a 16-bit stereo audio file. The waveform displays a significant amount of background hiss. The 'Effects' menu is open, and 'Hiss Reduction' is selected. A cursor is positioned over the 'Hiss Reduction' option in the submenu. The interface includes a menu bar, a toolbar, a file browser, a waveform display, a transport control bar, and a status bar.

Stawberry Patch-16 Bit Stereo - No Pops.wav - Adobe Audition

File Edit View Effects Generate Analyze Favorites Options Window Help

Invert
Reverse
Silence

Amplitude
Delay Effects
Filters
Noise Reduction
Special
Time/Pitch

Click/Pop Eliminator...
Clip Restoration...
Hiss Reduction...
Noise Reduction...

Show File Types: Sort By: Recent Acc
Wave
MIDI
Video
Auto-Play
Full Paths

0:00.000

	Begin	End	Length
Sel	0:00.000		0:00.000
View	0:00.000	3:43.399	3:43.399

dB -72 -69 -66 -63 -60 -57 -54 -51 -48 -45 -42 -39 -36 -33 -30 -27 -24 -21 -18 -15 -12 -9 -6 -3 0

Opened in 0.47 seconds L: -8.4dB @ 0:03.640 44100 · 16-bit · Stereo 38.48 MB 11.59 GB free

Choose The Correct Preset

Hiss Reduction

Presets Add Del Preview

- High Hiss Reduction
- Light Hiss Reduction
- Old Record - 1
- Standard Hiss Reduction

Bypass

FFT Size 6000 points

Precision Factor 7

Transition Width 9 dB

Spectral Decay Rate 75%

Reduce Hiss by 40 dB

Remove Hiss
 Keep Only Hiss

Get Noise Floor 30 drag points Reset: Hi Med Low

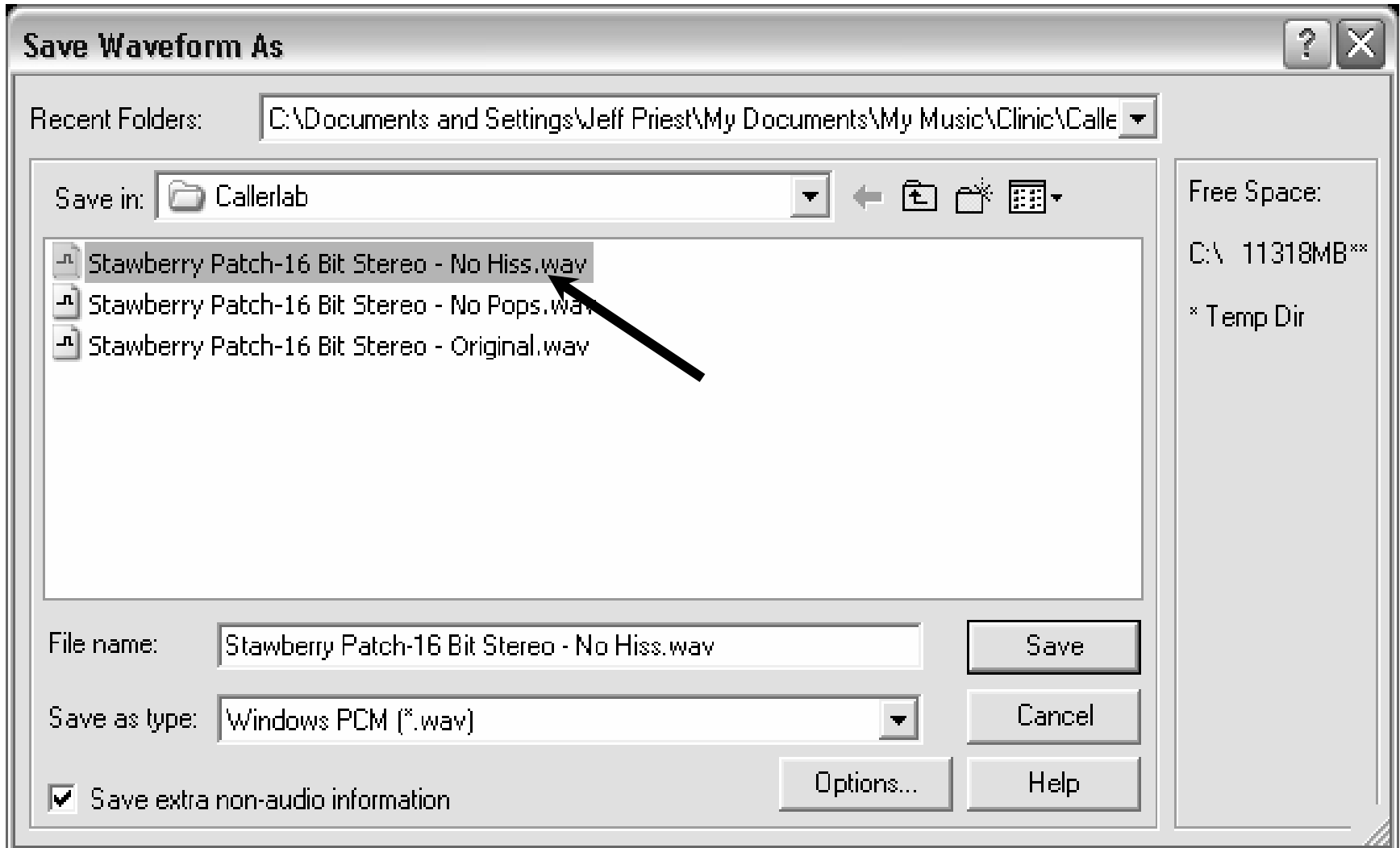
Noise Floor Adjust 8 dB

Lower Floor Higher Floor

Viewing Left Right

OK Close Cancel Help

Resave “with a new name” .wav



Change Tempo NOT Pitch

The screenshot shows the Adobe Audition interface with the 'Effects' menu open. The 'Stretch...' option is highlighted, and an arrow points from the title 'Change Tempo NOT Pitch' to it. Another arrow points from the title to the 'Effects' menu. The interface includes a waveform display, a Cue List panel, and a transport control bar at the bottom showing a time of 0:22.427.

	Begin	End	Length
Sel	0:22.427	0:42.815	0:20.388
View	0:00.000	3:43.399	3:43.399

Stopped | R: -7.7dB @ 0:03.349 | 44100 · 16-bit · Stereo | 38.48 MB | 17.41 GB free

Stawberry Patch-16 Bit Stereo - Original.wav* - Adobe Audition

File Edit View Effects Generate Analyze Favorites Options Window Help

Files Effects Favorites

Stawberry Patch-16 Bit Ster...

Cue List

Label	Begin

Edit Cue Info Auto-Play Add Del Merge Batch

Show File Types: Sort By: Recent Acc Auto-Play Full Paths

- Wave
- MIDI
- Video

Stretch

Constant Stretch | Gliding Stretch

Stretch % Slower Tempo Ratio Length Transpose

90 22.653 none

Precision

Low Precision Medium Precision High Precision

Stretching Mode

Time Stretch (preserves pitch)
 Pitch Shift (preserves tempo)
 Resample (preserves neither)

Pitch and Time settings

Splicing Frequency 52 Hz
 Overlapping 34 %
 Choose appropriate defaults

Presets Add Del

- Cutting Power
- Double Speed
- Fast Talker
- Helium
- Lower Pitch
- Raise Pitch
- Slow Down
- Speed Up

OK Close Cancel Preview Help

0:22.427

	Begin	End	Length
Sel	0:22.427	0:42.815	0:20.388
View	0:00.000	3:43.399	3:43.399

Stopped L: -90.3dB @ 0.00.145 44100 · 16-bit · Stereo 38.48 MB 17.41 GB free

Change Pitch NOT Tempo

The screenshot shows the Adobe Audition interface with the 'Effects' menu open. The 'Time/Pitch' option is highlighted, and a sub-menu is visible with 'Doppler Shifter...', 'Pitch Bender...', and 'Stretch...' options. A large black arrow points from the title 'Change Pitch NOT Tempo' to the 'Pitch Bender...' option. Another black arrow points from the 'Stretch...' option to the 'Pitch Bender...' option. The main window displays a waveform of a 16-bit stereo audio file. The bottom status bar shows the current time as 0:22.427 and various audio parameters.

Stawberry Patch-16 Bit Stereo - Original.wav* - Adobe Audition

File Edit View Effects Generate Analyze Favorites Options Window Help

Invert
Reverse
Silence

Amplitude
Delay Effects
Filters
Noise Reduction
Special
Time/Pitch
Enable DirectX Effects
Refresh Effects List

Doppler Shifter...
Pitch Bender...
Stretch...

Cue List

Label	Begin

Show File Types: Sort By: Recent Acc

Wave MIDI Video

Auto-Play
Full Paths

0:22.427

	Begin	End	Length
Sel	0:22.427	0:42.815	0:20.388
View	0:00.000	3:43.399	3:43.399

Stopped R: -7.7dB @ 0:03.349 44100 · 16-bit · Stereo 38.48 MB 17.41 GB free

Stawberry Patch-16 Bit Stereo - Original.wav* - Adobe Audition

File Edit View Effects Generate Analyze Favorites Options Window Help

Files Effects Favorites

Stawberry Patch-16 Bit Ster...

Cue List

Label	Begin
	Begin

Show File Types: Sort By: Recent Acc

- Wave
- MIDI
- Video

Auto-Play Full Paths

Stretch

Constant Stretch | Gliding Stretch

Stretch % Lower Pitch Ratio Length Transpose

110 20.388 none

Precision

Low Precision Medium Precision High Precision

Stretching Mode

Time Stretch (preserves pitch)
 Pitch Shift (preserves tempo)
 Resample (preserves neither)

Pitch and Time settings

Splicing Frequency 52 Hz
 Overlapping 34 %
 Choose appropriate defaults

Presets

- Cutting Power
- Double Speed
- Fast Talker
- Helium
- Lower Pitch
- Raise Pitch
- Slow Down
- Speed Up

OK Close Cancel Preview Help

0:22.427

	Begin	End	Length
Sel	0:22.427	0:42.815	0:20.388
View	0:00.000	3:43.399	3:43.399

dB -72 -69 -66 -63 -60 -57 -54 -51 -48 -45 -42 -39 -36 -33 -30 -27 -24 -21 -18 -15 -12 -9 -6 -3 0

Stopped R: -13.2dB @ 0:11.213 44100 · 16-bit · Stereo 38.48 MB 17.41 GB free

Trimming The Tune

The screenshot shows the Adobe Audition interface with the 'Generate' menu open. The menu options are:

- Silence...
- DTMF Signals...
- Noise...
- Tones...

The main workspace displays a multi-track waveform for 'Stawberry Patch-16 Bit Ster...'. The time axis at the bottom is marked in hours, minutes, and seconds (hms), ranging from 0:10 to 3:30. The amplitude axis on the right is marked in samples (smpl), ranging from -30000 to 20000. The transport control bar shows a playhead at 0:00.000. The status bar at the bottom indicates the file was opened in 5.19 seconds and provides technical details: L: -inf dB @ 0:00.436, 44100 · 16-bit · Stereo, 38.48 MB, 11.55 GB free.

Stawberry Patch-16 Bit Stereo - Original.wav - Adobe Audition

File Edit View Effects Generate Analyze Favorites Options Window Help

Files Effects Favorites

Stawberry Patch-16 Bit Ster...

Show File Types: Sort By: Recent Acc Auto-Play Full Paths

Generate Silence

Silence Time 3 seconds

OK Cancel Help

0:00.000

	Begin	End	Length
Sel	0:00.000	0:02.912	0:02.912
View	0:00.000	3:43.399	3:43.399

dB -72 -69 -66 -63 -60 -57 -54 -51 -48 -45 -42 -39 -36 -33 -30 -27 -24 -21 -18 -15 -12 -9 -6 -3 0

Opened in 5.19 seconds R: -3.4dB @ 0:21.699 44100 · 16-bit · Stereo 38.48 MB 11.55 GB free

Happy with the file? Save it as an MP3 or WMA



What's Next?

- Delete or Backup the .wav Files and move the MP3 file to a final directory

**Finished ..
Record the next tune!**