



## Converting and Cleaning Analog Recordings With LP/Tape Assistant

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- 4. Click General if not already selected. In this dialog.
- **Click** the Limit recording checkbox and set the duration if you want to leave after starting the recording and won't be around to stop the recording.
- **Click** the Mute system sounds checkbox to prevent the software from recording system sounds like incoming mail, time announcements or other error messages.
- **Click** the Enable preroll checkbox and enter a duration to record a rolling preroll of the specified duration. This is useful when you're not sure when to start recording and don't want to miss the first few seconds of the recording.
- **Click** the Enable auto pause checkbox and enter a duration to stop recording after the specified number of seconds. This is also useful for unattended recording sessions.
- If desired, **Click** the Save to button and change the location of the temporary files created during recording.

General	✓ Limit recording to: - 30 + Minutes
File Ford	
General	Indue system sounds while recording
Conordi	Enable preroll of - 10 + Seconds
	Auto pause
	Enable auto pause
	The use of a set of the set of th
	amount of time specified below. This is useful for unattended recording.
	Length of silence: - 15.0 + Seconds Silence may contain noise
	Temporary files Click Save to
	Save to: File name prefix:
	C:\Documents and Settings\Administrat( Audio

- 5. Click File Format. In this dialog:
- **Choose** a Preset in the list box. In most instances, you should capture an uncompressed Wav at 44.100 Hz, 16-bits, Stereo, especially if you need to Clean the audio after recording.
- If the audio doesn't have lots of hiss or pops, you can record directly into compressed format, either choosing a preset that matches your playback device, or choosing custom and selecting the parameters yourself.
- Note the Stereo/Mono radio buttons. If recording from a mono source, be sure to check the Mono radio button.

Advanced Options General File Format Track Intection Click File Format	Choose a Preset         Presets:         Wav (Recommended)         Custom         Pod AAC good quality)         MB3 (good quality)         MB3 (good quality)         Wav (Recommended)         WMMA (low quality)         WMAA (low quality)         WMAA (low quality)         WMAA (low quality)         MB3 (pod quality)         MMAA (low quality)         Image: Stereo         Format:         Bits per sample:         16
	Quality / compression       Constant Bit Rate       Best Quality       1411200 bps

6. **Click** Track Detection. This dialog contains many useful options to consider when recording a complete tape or album with multiple songs. These include:

- **Click** Automatically add a track separator if the source audio contains multiple songs with gaps between them.
- If desired, **click** Add Track Every and specify a duration.
- If you clicked Automatically add a track, **click** Enable track detection, and specify an interval. If recording from a noisy source, like cassette or turntable, check the Silence may contain noise checkbox if the program isn't detecting tracks.
- If desired, **click** the Maximum number of tracks checkbox and choose a number.
- Click OK (not shown) to close the dialog and return to the main program.

Advanced Options General File Format Track Detection Click Track Detection	Automatically add a track separator on each pause Add Track Every60+ Second(s) Track detection If you select this option, a track separator is added when a silence is encountered. Silence gaps must be at least:3 + Second(s)	
	Silence gaps must be at least:       - 1.3 + Second(s)         Silence may contain noise         Maximum number of tracks:       - 5 +	

7. Now let's choose input parameters.	Record Tracks
• If you have multiple audio sources attached to your computer, like a web cam and a sound card, <b>click</b> the Capture from list box and <b>choose</b> the source.	Recording Setup Guide Advanced Options
<ul> <li>After choosing the source, click the Input list box and choose the input. For most sound cards, this will either be the microphone or line in ports.</li> <li>After making these selections, play some music. You should see some bouncing in the level meters shown in the next screen shot. If not, you have the wrong settings, or your physical connections are incorrect.</li> </ul>	Choose Source
<ul> <li>8. Next, set the audio levels. Set them too low and you'll have to boost the audio later, and if too high, you'll "clip" the audio, producing distortion in louder sections.</li> <li>To set levels manually, play a louder region in your recording, and <b>drag</b> the volume slider until the maximum peaks approach, but don't quite reach the right edge of the meter.</li> <li>To let the software set the levels, play a louder region in your recording, and then <b>click</b> Auto. The program will adjust the slider to the maximum level possible without clipping.</li> </ul>	Inpy Slider Recording Level:
<ul> <li>9. Once you've set your levels,</li> <li>Click Record to start recording, and start your player device.</li> <li>Click Stop to finish.</li> <li>Then click Next (not shown) to move to edit your audio.</li> </ul>	Click Record to start recording Record Stop Click Stop to stop recording 5 sec Time left on drive: 7 h 20 min

10. You're now in the Identify & Enhance screen shown below. Let's explore options here.

- Audio Waveform. First, look at your audio waveform, which is a great diagnostic tool. In the screen shot below, I have good levels in both tracks, meaning that the loudest regions in the audio approach the very top and bottom in both the left and right tracks.
  - If most of the audio is crowded near the top and there are large flat regions pressed against the maximum volume levels, you recorded at too loud a volume setting and your file is clipping. Re-record at a lower volume.
  - If most of your audio is clustered around the centerline, with no peaks approaching the maximum levels, you've recorded too low. Go back and record again, boosting volume in your player or in the software controls.
  - If only one track has audio, either your setup is faulty or you're recording from a mono source. If the latter, click the Mono radio button referred to in Step 5 and rerecord.
  - If the waveform has regular, tiny peaks, like those below, they are usually cracks and pops, especially when recording from vinyl. I'll clean those in the next step.
- Add and Delete Track Separator. Use these to add and delete tracks in a multi-song recording.
- Playback Controls. These allow you to play through the captured waveform. Note that you can also click the waveform with your cursor at any point to start playback there.
- Volume control. This adjusts playback volume (but not the volume of the recorded audio).
- Fade in and out. Click to fade each track in and out and set the desired interval.
- Editing options. I'll discuss Clean below. Both the Enhance and Equalizer functions go beyond the scope of what I cover here, but both have very descriptive explanations in the Help file.
- Insert Tags. This is where you insert information like title, artist, album, genre and year. Note that Roxio can automatically retrieve much of this information for you via Grace Notes.



- Declicker targets clicks like vinyl scratches.
- Decrackler targets crackling sound like old vinyl.
- Denoiser targets hiss and rumble, most commonly found on cassettes and other tapes.
- Noise adjusts the intensity of the Denoiser.

Adjust these dials, and then test the adjustments by **clicking** the Play/Stop button until you achieve the desired reduction in noise without distorting the underlying music or speech content.



16. In this window captured audio into	, <b>click</b> Export Tracks to export the separate digital tracks.	Burn Audio CD         Export Tracks         Ad         Click Export         Ma				
17. In the Export Tracks dialog:						
• Choose a setting, or Custom.						
• Click Edit to customize your setting.						
• Click Browse to change the location of the rendered file.						
• Click Export to start the rendering process and close the Export Tracks dialog.						
	Export Tracks Click Edit Cutom Custom Prod AAC good quality MP3 (good quality) MP3 (low quality) Wav (Recommended) WMA (good quality) Ce available: 4.32 GB Edit Audio Tags	R, MP3, Normal Ste Click Music Browse Click Export Export Cancel				
18. To burn an audio CD:						
• Insert a blank CD-Audio disk in your recorder.						
Click Burn Audio CD.     Surn Audio CD						
19. If you have multiple recorders, <b>click</b> the target recorder. Then <b>Click</b> OK to start recording the disc.						
Audio CD - Burn Setup						
	E: HL-DT-ST DYDRRW GWA-4166B - 1.03 Blank CD-RW, Free space: 702.8MB (1 CD-RW 80 Save disc image file Browse C:\Documents and Settings\Administrator H Burn Options	min. needed) My Docu\Untitled Project.c2d				

Help

ОК

Cancel