

# *Injuk Documentation*

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The logo for Injuk, featuring the word "Injuk" in a stylized, blue, outlined font with a slight shadow effect.

*- the intelligent juke box -*

Version 0.3.1

(created 2005-2006 by Philip Heyse - [www.bright-side.de](http://www.bright-side.de))

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2. Quickstart
3. How Injuk works
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# 1. Introduction: What is Injuk?

Artist	Album	Title
Eels	Souljacker	Teenage Witch
Live	Secret Samadhi	Gas Head Goes West
Cal Tjader	Jazz Masters 39 - Ca...	The Way You Look T...
Cool And The Gang		Fresh
Clawfinger	A Whole Lot Of Nothi...	Paradise
Lenny Kravitz	Baptism	Lady
Helmet	Aftertaste	Diet Aftertaste
Corgan, Billy	The Future Embrace	DIA
Soundgarden	Superunknown	The Day I Tried To Live
Slut	Lookbook	Welcome 1
Madrugada	The Deep End	Ramona
Foo Fighters	Foo Fighters	Oh, George
Tindersticks	Waiting For The Moon	Trying To Find A Home
Fatboy Slim	On the Floor at the B...	Because I Got It Like ...
Frank Black & The C...	Frank Black & the Ca...	Six-Sixty-Six
Deep Purple	Machine Head	Pictures Of Hom
The Offspring	ixnay On The Hombre	Way Down The Line
Millencollin	Life On A Plate	The Story Of My Life
Depeche Mode	Ultra	Useless
Portishead	Dummy	Sour Times
Peter Gabriel	Peter Gabriel	Solsbury Hill
Deine Lakaien	Kasmodiah	Try
Nada Surf	Let Go	Run
The Cranberries	Everybody Else Is Do...	Sunday
The Organ	Grab That Gun	Basement Band Song
Cold	13 Ways To Bleed O...	Confession
Jimi Hendrix	Manic Expresions	Wait Until Tomorrow
Phillip Boa	Lord Garbage	Villa Hate
Cal Tjader, Anita O'D...	Time For 2	Mr. Sandman
Element Of Crime	Romantik	Die Hoffnung Die Du...
The Jimi Hendrix Exp...	Axis: Bold As Love	One Rainy Wish
Angelo Badalamenti	Lost Hightway O.S.T.	Red Bats With Teeth
Tool	Opiate	Part Of Me
Smashing Pumpkins	Siamese Dream	Silverfuck

- Injuk (INTelligent JUKebox) is a tool that
    - creates custom playlists according to song properties (e.g. only happy and wild songs by the Beatles and Metallica and only 2 songs per artist)
    - orders the playlists („e.g. randomize but not the same artist twice“)
    - plays the songs in an internal and external player
    - exports the songs (e.g. to a USB-Stick)
- ➔ Injuk lets you create compilation CDs or a radio-like 1000 songs playlist according to your current mood and taste within a few seconds

# **1. Introduction: Chapters 2, 3 and 4**

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## **Chapter 2**

**Read chapter 2 if you want to start using Injuk quickly without going into too much details**

## **Chapters 3 and 4**

**Read chapters 3 and 4 to find out how Injuk works and how to use it at a more detailed level**

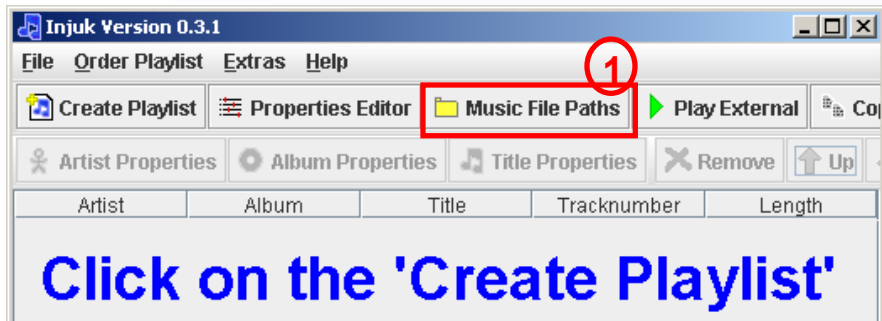
# *Injuk Documentation*

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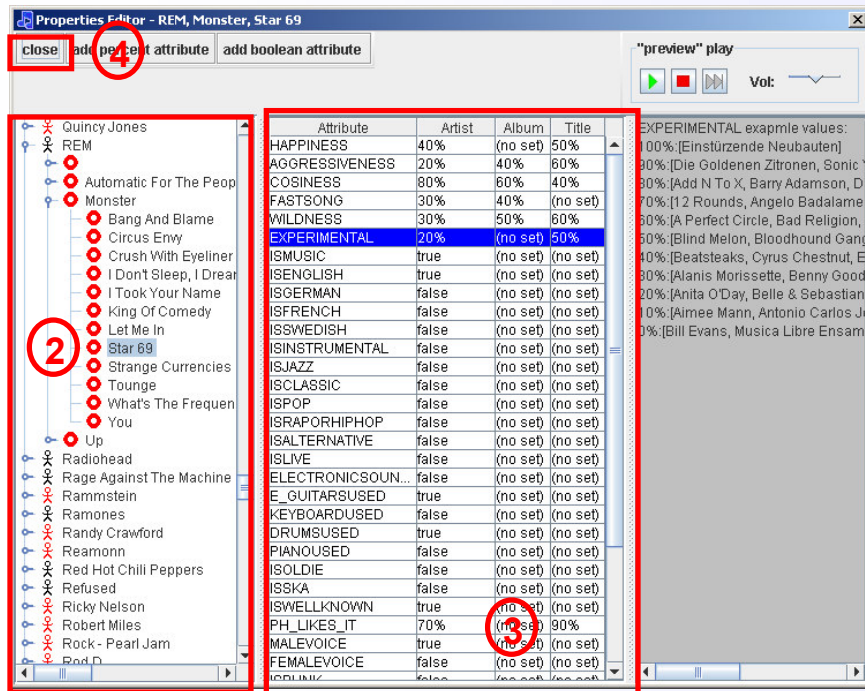
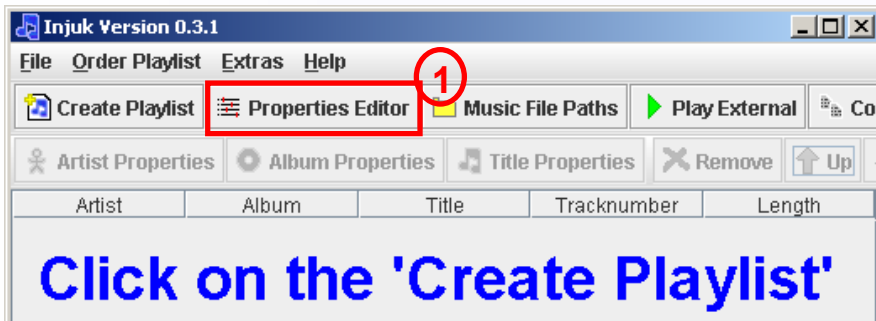
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## 2. Quickstart: 1. Adding Songs to the database



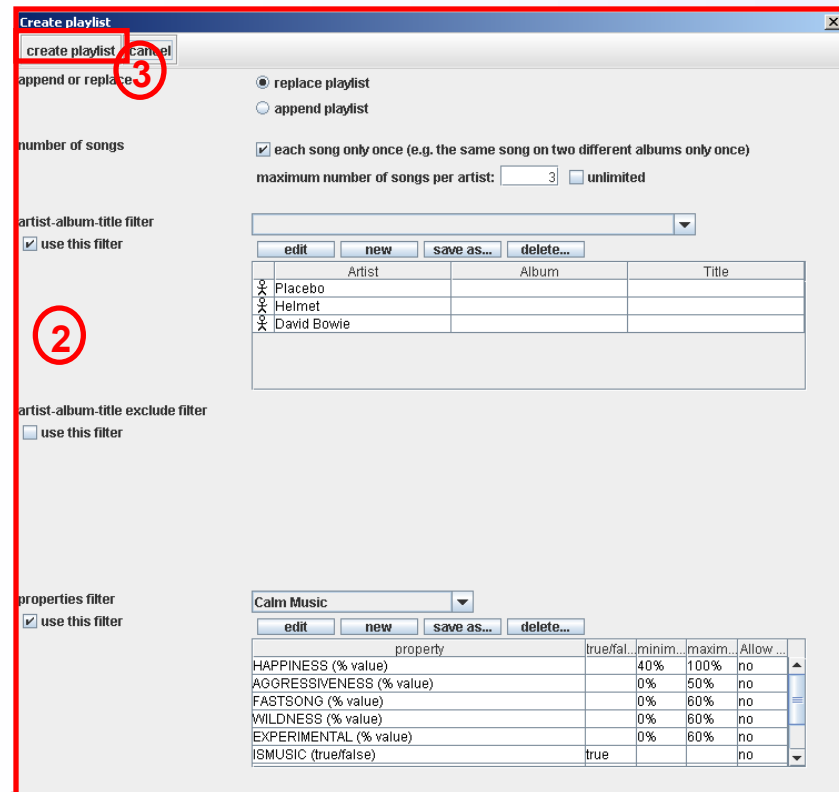
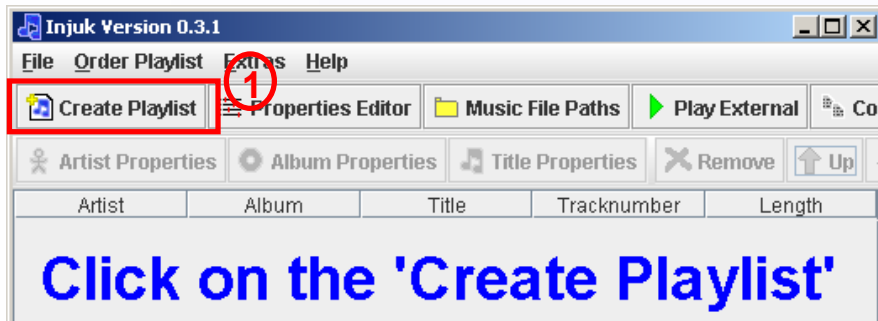
1. Click the „Music File Paths“ button in the main-window (1)
2. Click the „Add Directory“-Button (2), select a directory where your music is located (e.g. „C:\MP3“) and click „no“ when Injuk asks if the directory should be scanned or not
3. Repeat step 2 for all your directories and click „scan all directories“ (3). This takes a while, but you only need to do this once
4. Click close to return to the main window (4)

## 2. Quickstart: 2. Changing Properties



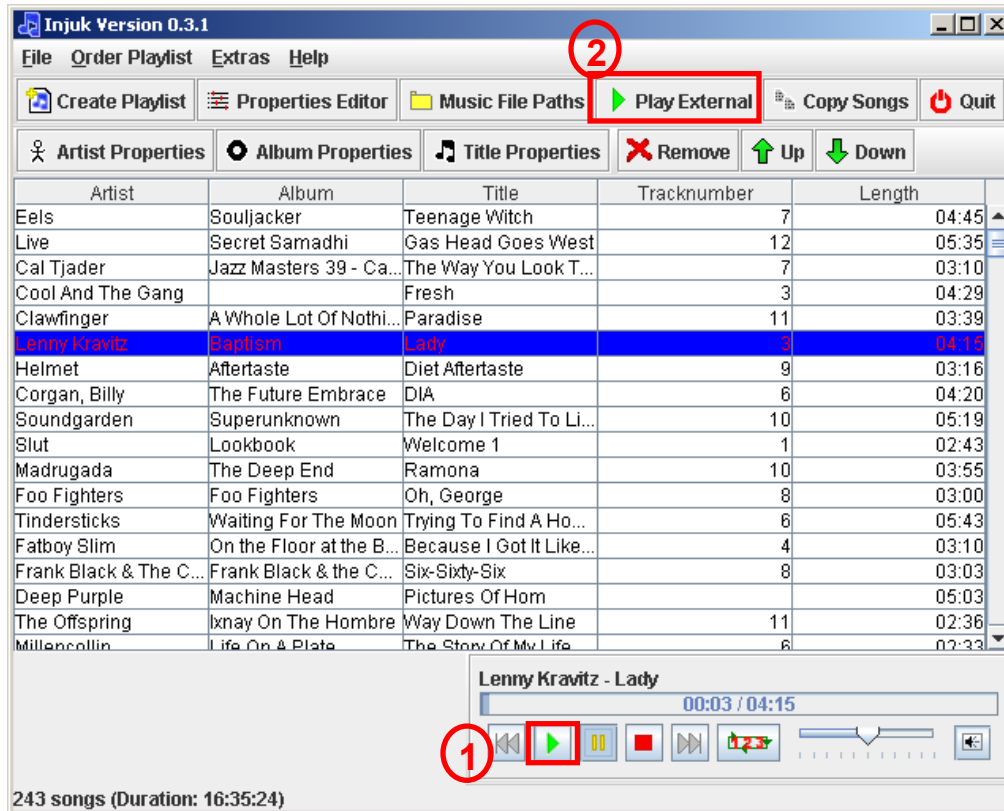
1. Click the „Properties Editor“ button (1) in the main-window
2. Select the artist, album or title for which you want to change the properties (2)
3. Change the properties by clicking on the cells in the table (3)
4. Repeat steps 2 and 3 for all items you want to change. Then click on „close“ (4) to return to the main window

## 2. Quickstart: 3. Creating a playlist



1. Click the „Create playlist“ button (1) in the main-window
2. Select and edit the filters you want to use (See chapter 4 in this document for details) (2)
3. Click the „create playlist“-button (3) to create the playlist and return to the main window
4. If there are no songs in the playlist in the main window, your filter was too restrictive (it filtered out all(!) of your songs), repeat steps 1 to 3 until songs are in your playlist

## 2. Quickstart: 4. Playing the songs



- Either click the green play button in the internal palyer (1)...
- ... or click „Play External“ (2) to play with an external player like Winamp



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## 3.1 Fall-Back-Properties

Attribute	Artist	Album	Title
HAPPINESS	30%	(no data)	(no set)
AGGRESSIVE...	60%	(no data)	(no set)
COSINESS	30%	(no data)	(no set)
FASTSONG	60%	(no data)	(no set)
WILDNESS	60%	(no data)	80%
EXPERIMENTAL	60%	(no data)	70%
ISMUSIC	true	(no data)	(no set)
ISENGLISH	true	(no data)	(no set)
ISGERMAN	false	(no data)	(no set)
ISFRENCH	false	(no data)	(no set)
ISSWEDISH	false	(no data)	(no set)
ISINSTRUMEN...	false	(no data)	(no set)
ISJAZZ	false	(no data)	(no set)
ISCLASSIC	false	(no data)	(no set)
ISPOP	false	(no data)	(no set)
ISRAPORHIPH...	false	(no data)	(no set)
ISALTERNATIVE	false	(no data)	(no set)
ISLIVE	false	(no data)	(no set)
ELECTRONIC...	false	(no data)	(no set)
E_GUITARSU...	true	(no data)	(no set)
KEYBOARDUS...	false	(no data)	(no set)
DRUMSUSED	true	(no data)	(no set)
PIANOUSED	false	(no data)	(no set)
ISOLDIE	false	(no data)	(no set)
ISSKA	false	(no data)	(no set)
ISWELLKNOWN	true	(no data)	(no set)
PH_LIKES_IT	70%	(no data)	80%
MALEVOICE	false	(no data)	(no set)
FEMALEVOICE	true	(no data)	(no set)
ISPUNK	false	(no data)	(no set)
ISCOUNTRY	false	(no data)	(no set)
ISSPANISH	false	(no data)	(no set)
ISREAGGAE	(no set)	(no data)	(no set)
ISROCK	(no set)	(no data)	(no set)
GOOD_LYRICS	(no set)	(no data)	(no set)
ACOUSTIC_G...	(no set)	(no data)	(no set)
BOWED_INST...	(no set)	(no data)	(no set)
WIND_INSTR...	(no set)	(no data)	(no set)

- Injuk uses fall-back-properties.
- There are three levels:
  - artist,
  - album
  - title
- When Injuk tries to find out the property of a song (e.g. the property „agressivity“ of the song „Yesterday“ by „The Beatles“) it looks at the title-level first. If the property is not set a title level, it looks at the album level and finally at the artist level.
- → This way you can set the properties for the most important artists in your MP3-Collection and adjust the properties for a few titles and albums that are „out of the row“to rate most your songs pretty precicely without too much work.

## 3.2 Filters

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- Injuk uses three types of filters
  - Property-Filters
  - Artist-Album-Title Filters
  - Artist-Album-Title Exclude Filters

## 3.2 Filters: Property Filter

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- Injuk can use a property-filter to create a playlist
- E.g. if you want rather happy songs that are not too aggressive or wild, and no classic music, you can use a filter like this:

property	true/fal...	minim...	maxim...	Allow ...
HAPPINESS (% value)		40%	100%	no
AGGRESSIVENESS (% value)		0%	50%	no
WILDNESS (% value)		0%	60%	no
ISCLASSIC (true/false)	false			no

- Injuk will only add songs to the playlist that match the criteria

## 3.2 Filters: Artist-Album-Title(-Exclude)-Filter

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- You can also tell Injuk which artists and/or albums and/or titles you want to add to your playlist. (Or which ones to exclude)
- E.g. you can tell Injuk to add only songs from the „Tindersticks“, from the album „Bossanova“ from the „Pixies“ and from the album „Black Market Music“ from „Placebo“:

	Artist	Album	Title
♀	Tindersticks		
♂	Pixies	Bossanova	
♂	Placebo	Black Market Music	

- You can also exclude the „Placebo“ song „Black-Eyed“ from the playlist with the exlude filter if you like:

	Artist	Album	Title
♂	Placebo	Black Market Music	Black-Eyed

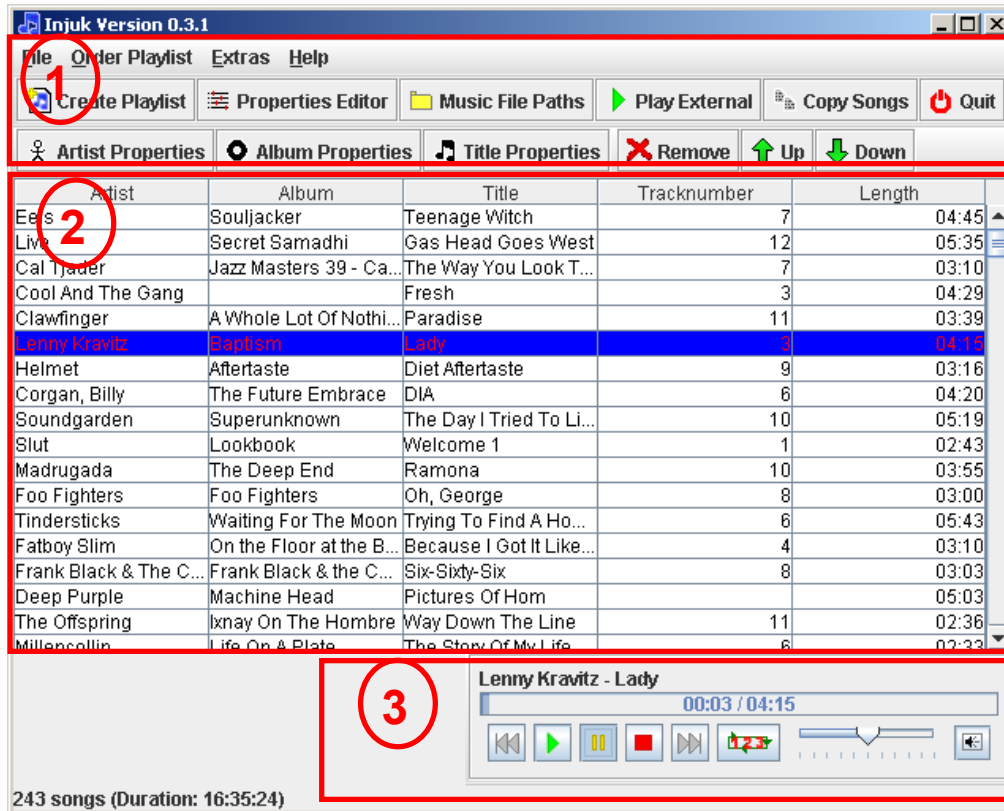
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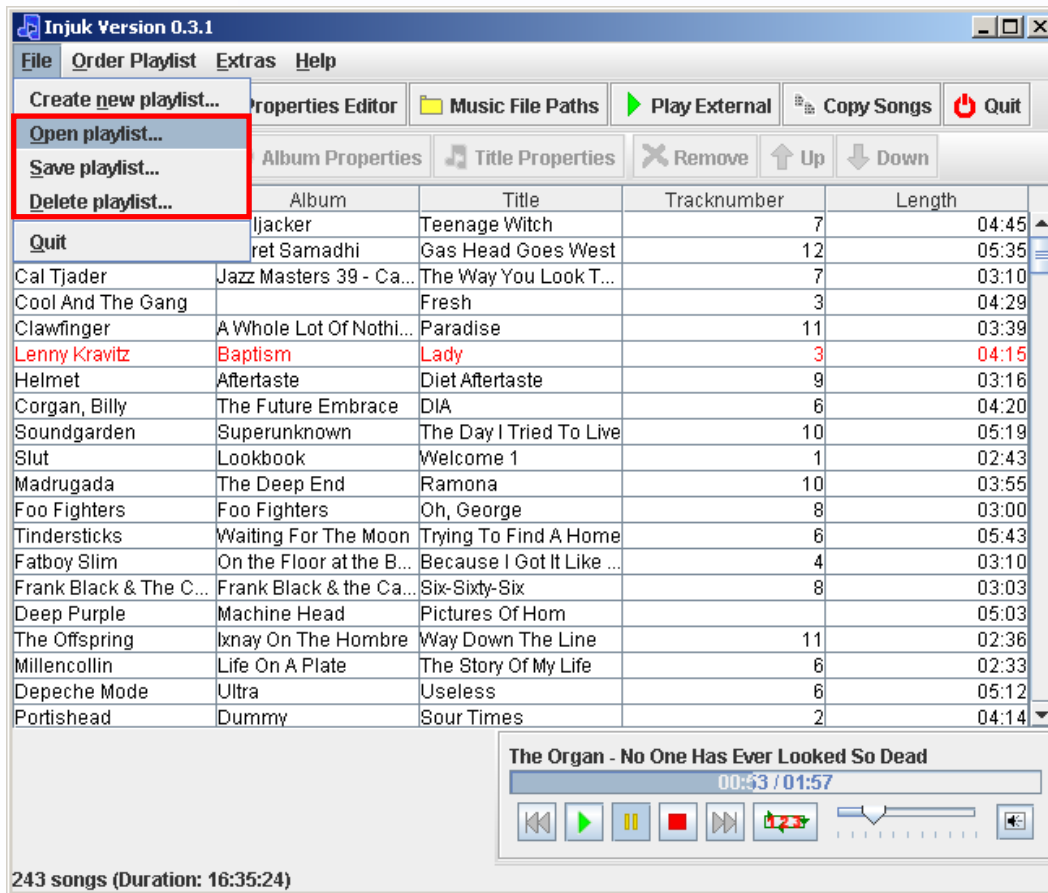
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## 4.1 The Main Window: Overview



- The Main Window consists of
  - the menu- and tool bar (1)
  - the playlist (2),
  - the player (3)

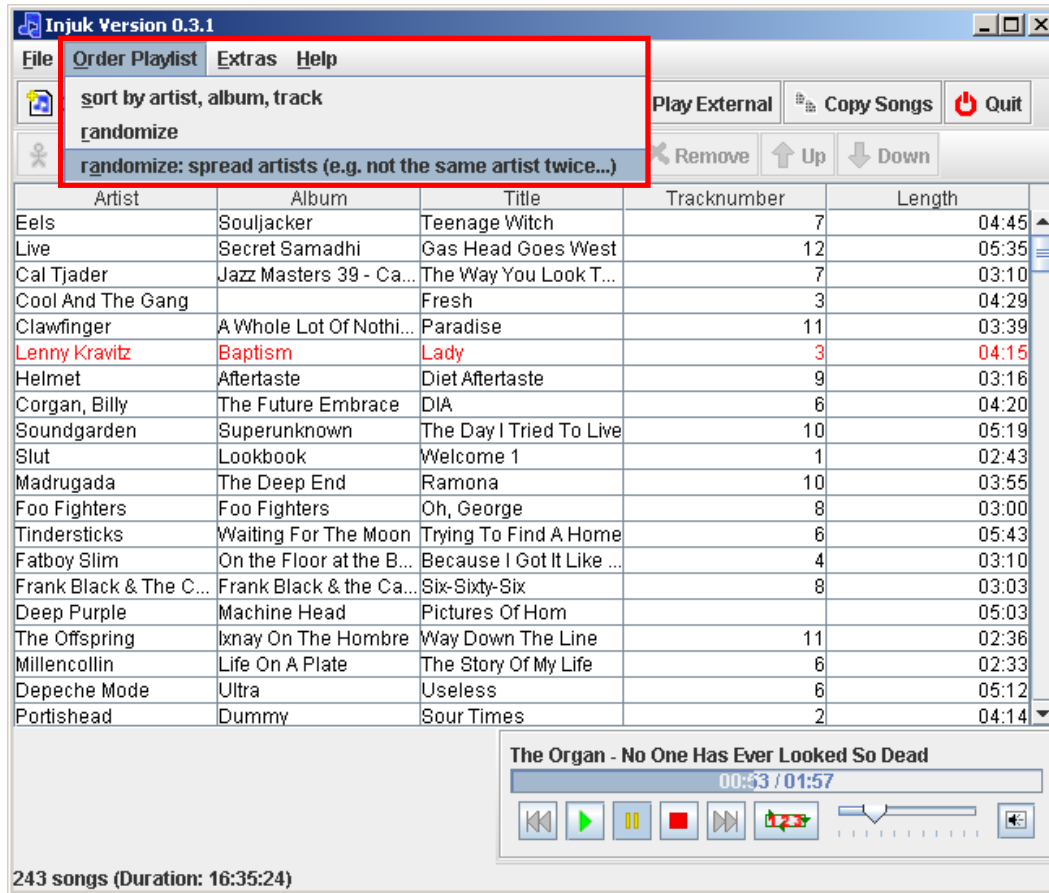
## 4.1 The Main Window: Loading/Saving Playlists



- You can save, load and delete playlists you created with Injuk. Just choose the appropriate item in the file menu
- Injuk stores the playlists not by pathnames (as the most common formats like M3U do), but by artist, album and title, so that when the paths of the songs change, it doesn't matter...

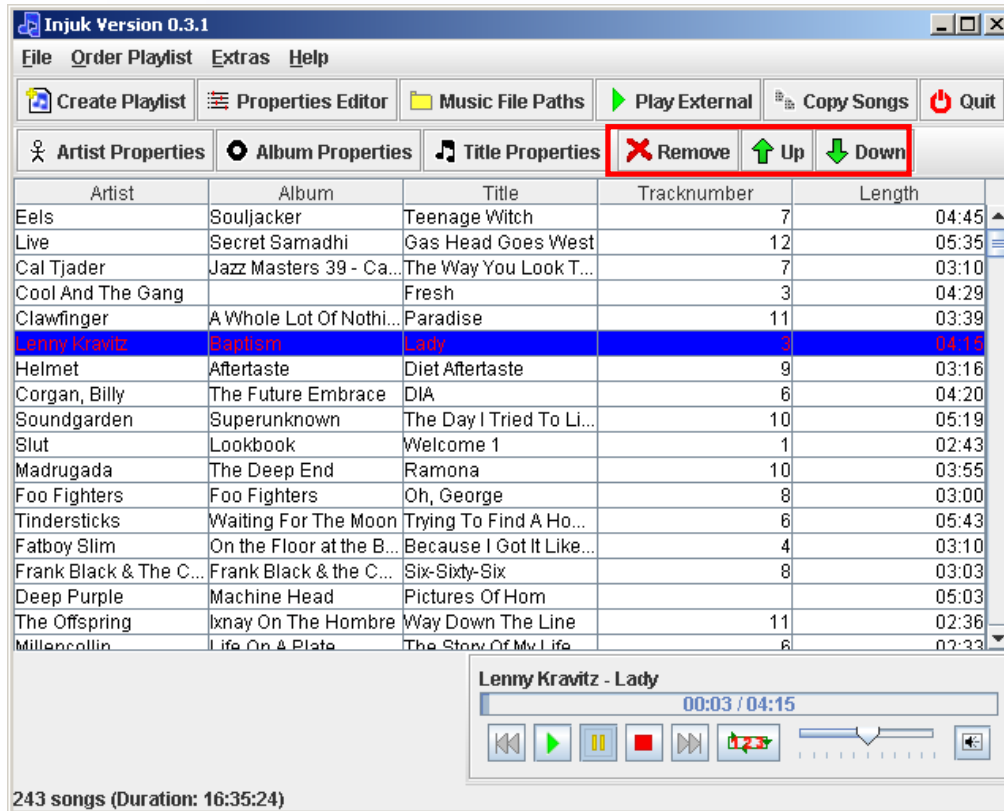


## 4.1 The Main Window: Ordering Playlists



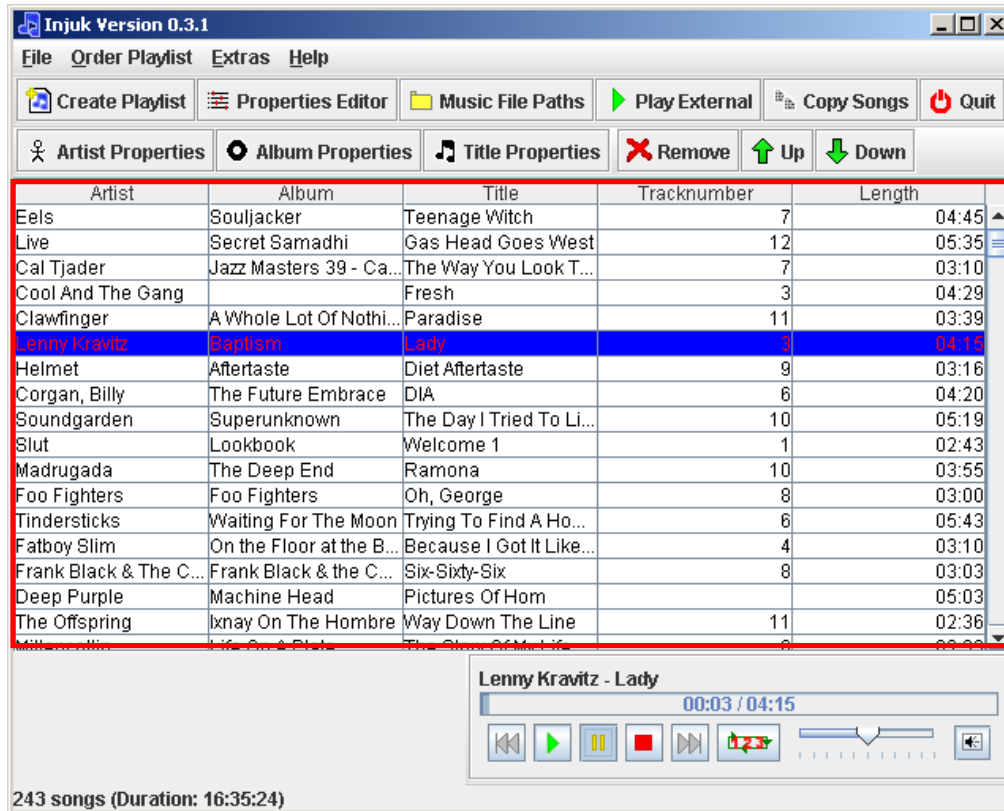
- You can order playlists in three ways. Choose...
  - ...„Sort by artist, album, track“ to play the albums in a row
  - ... „randomize“ for random song-order (shuffle)
  - ... „randomize: spread artists (e.g. not the same artist twice...)“ to spread the songs of an artist evenly over the playlist. E.g. if you have three songs of „Madonna“, three songs of „The Beatles“ and three songs of „Jimi Hendrix“ you’ll get something like
    1. Madonna
    2. The Beatles
    3. Jimi Hendrix
    4. Madonna
    5. The Beatles
    6. Jimi Hendrix
    7. Madonna
    8. The Beatles
    9. Jimi Hendrix

## 4.1 The Main Window: Moving and Removing Playlist entries



- Select the entries to move/remove and use the highlighted buttons

## 4.1 The Main Window: Song drag and drop



- You can drag (e.g. from the file explorer) and drop directories and folders on the playlist. The directories are automatically scanned for MP3-Files that are then added.

## 4.2 Music File Paths: Overview

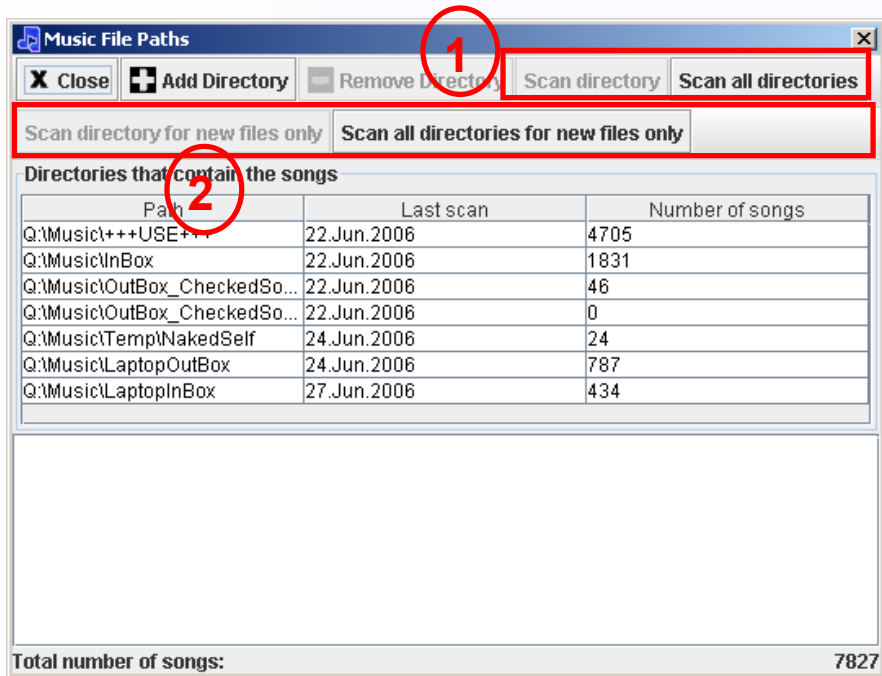
The screenshot shows the Injuk 0.3.1 main window and the Music File Paths dialog box. The main window has a menu bar (File, Order Playlist, Extras, Help) and a toolbar with buttons for 'Create Playlist', 'Properties Editor', 'Music File Paths', and 'Play External'. Below the toolbar are tabs for 'Artist Properties', 'Album Properties', and 'Title Properties', along with a 'Remove' button. A table below shows columns for Artist, Album, Title, and Tracknumber, with one row for 'Eels' by 'Souljacker' titled 'Teenage Witch'. The Music File Paths dialog box has buttons for 'Close', 'Add Directory', 'Remove Directory', 'Scan directory', and 'Scan all directories'. It has two radio buttons for scanning: 'Scan directory for new files only' and 'Scan all directories for new files only'. A table titled 'Directories that contain the songs' is circled in red with a '2'. The table has columns for Path, Last scan, and Number of songs. The 'Add Directory' button is circled in red with a '3'. The total number of songs is shown as 7827.

Path	Last scan	Number of songs
Q:\Music\+++USE+++	22.Jun.2006	4705
Q:\Music\InBox	22.Jun.2006	1831
Q:\Music\OutBox_CheckedSo...	22.Jun.2006	46
Q:\Music\OutBox_CheckedSo...	22.Jun.2006	0
Q:\Music\Temp\NakedSelf	24.Jun.2006	24
Q:\Music\LaptopOutBox	24.Jun.2006	787
Q:\Music\LaptopInBox	27.Jun.2006	434

Total number of songs: 7827

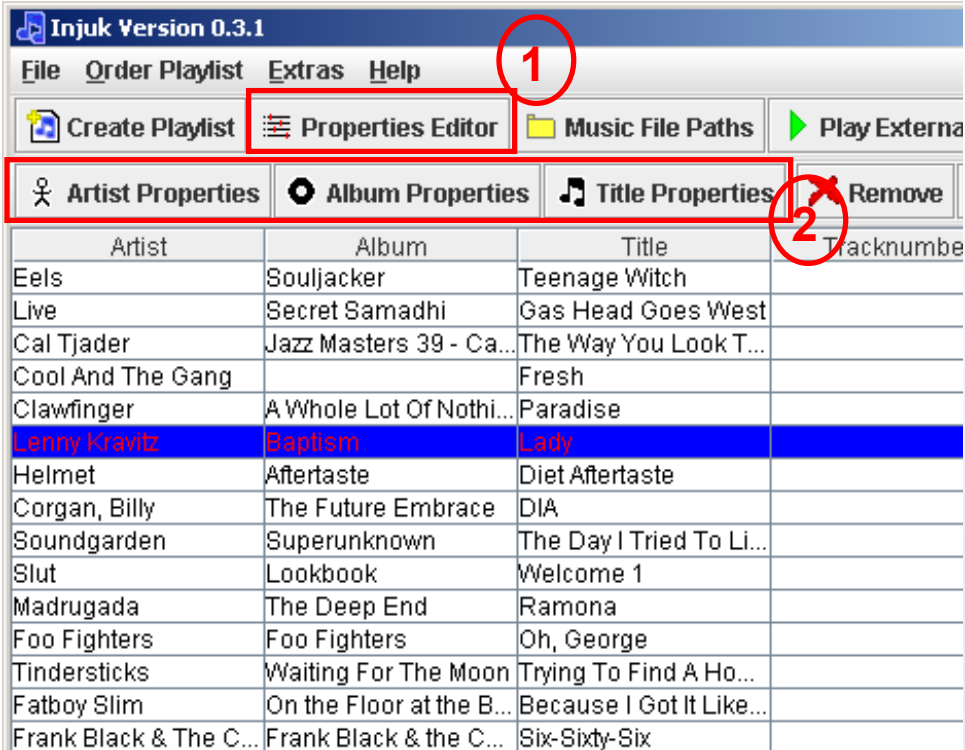
- Injuk can only play songs that it has scanned for the ID3-Tag to find out for each song which artist, album, title it has, what its length is, etc.
- For this reason, Injuk needs to know, in which directories your music is located.
- These directories can be managed with the „Music File Paths“ dialog
- You can open the „Music File Paths“ dialog by pressing the „Music File Path“ button in the Main Window (1)
- You can either drop directories (e.g. from the file explorer) onto the list (2) or use the „Add Directory Button“ (3)

## 4.2 Music File Paths: Scanning



- Once you've added a new directory or added/deleted songs to one of the directories in the list, you should tell Injuk to scan the directories to update its data.
- When you press „Scan directory“ or „Scan all directories“ (1), Injuk removes all associated songs from its database (All properties are kept however) and reads them back in. This way deleted files are updated in the database as well.
- When you press „Scan directory for new files only“ or „Scan all directories for new files only“, only the added songs will be processed
- Sorry: Scanning directories might take a while. I optimized the program so it's slower here and faster in the actual use. Keep in mind that you probably don't need to scan directories very often.

## 4.3 Properties Editor: Opening



- You can change the properties of an artist, an album or a title, with the „Properties Editor“
- To Open the „Properties Editor“ either click on the „Properties Editor“-Button in the tool bar (1) or select a song in the playlist and click on „Artist Properties“/“Album Properties“/“Title Properties“ (2)

## 4.3 Properties Editor: Overview

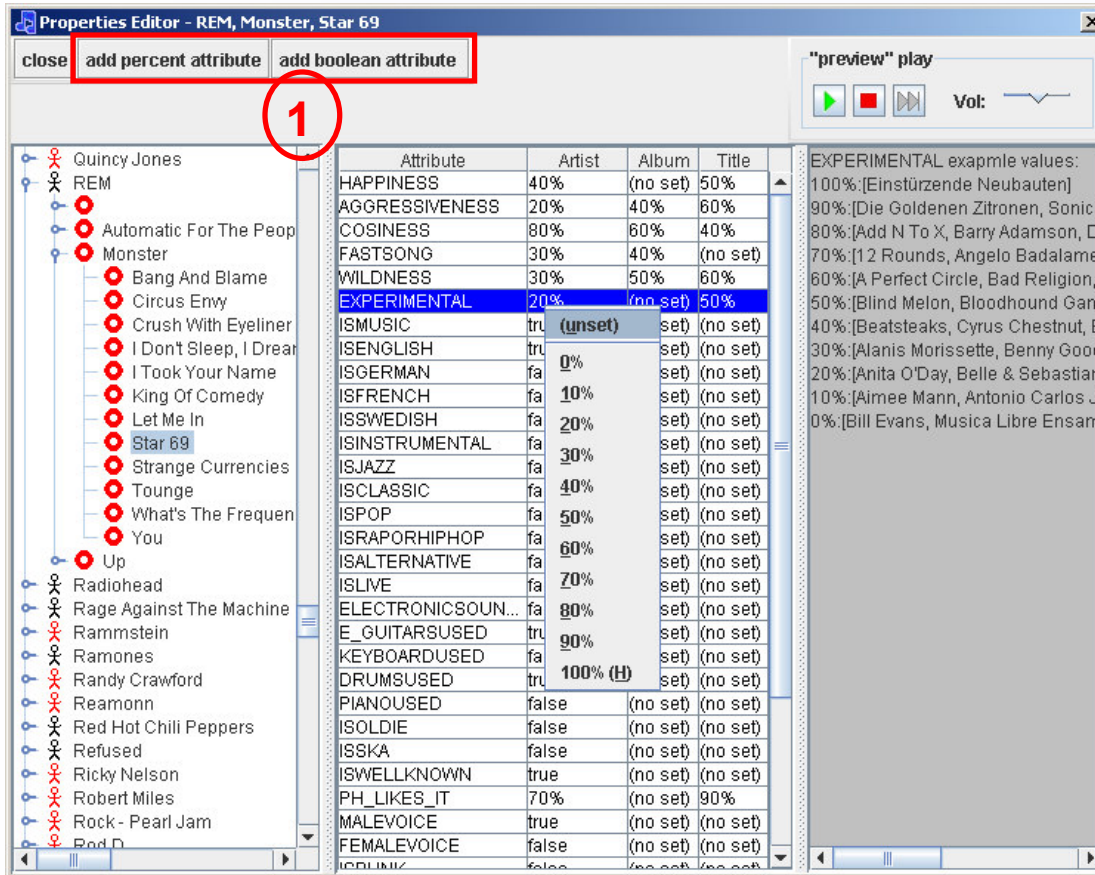
The screenshot shows the 'Properties Editor' window for 'REM, Monster, Star 69'. It features a tree view on the left, a central table of properties, and a preview pane on the right. Red annotations highlight specific elements:

- 1**: A red circle around the tree view on the left, indicating where to select an artist/album/title.
- 2**: A red circle around a row in the table, indicating where to click to change a property.
- 3**: A red circle around a dropdown menu, indicating where to select values.
- 4**: A red circle around the preview pane on the right, showing property values for other items.

Attribute	Artist	Album	Title
HAPPINESS	40%	(no set)	50%
AGGRESSIVENESS	20%	40%	60%
COSINESS	80%	60%	40%
FASTSONG	30%	40%	(no set)
WILDNESS	30%	50%	60%
EXPERIMENTAL	20%	(no set)	50%
ISMUSIC	(unset)	(no set)	(no set)
ISENGLISH	0%	(no set)	(no set)
ISGERMAN	0%	(no set)	(no set)
ISFRENCH	10%	(no set)	(no set)
ISSWEDISH	20%	(no set)	(no set)
ISINSTRUMENTAL	30%	(no set)	(no set)
ISJAZZ	30%	(no set)	(no set)
ISCLASSIC	40%	(no set)	(no set)
ISPOP	50%	(no set)	(no set)
ISRAPORHIPHOP	60%	(no set)	(no set)
ISALTERNATIVE	70%	(no set)	(no set)
ISLIVE	80%	(no set)	(no set)
ELECTRONICSOUN...	90%	(no set)	(no set)
E_GUITARSUSED	100% (H)	(no set)	(no set)
KEYBOARDUSED		(no set)	(no set)
DRUMSUSED		(no set)	(no set)
PIANOUSED	false	(no set)	(no set)
ISOLDIE	false	(no set)	(no set)
ISSKA	false	(no set)	(no set)
ISWELKNOWN	true	(no set)	(no set)
PH_LIKES_IT	70%	(no set)	90%
MALEVOICE	true	(no set)	(no set)
FEMALEVOICE	false	(no set)	(no set)
ISDRUNK	false	(no set)	(no set)

- You can select the artist/ album/ title of which you want to change to properties in the tree view (1)
- To change a property, click on the line in the table (2)
- This opens a pop-up-window where you can select the values (You can also press the key that's underlined as a shortcut)
- Depending on whether you've selected an artist, an album or a title, you'll change the value for the artist, the album or the title
- The text on the right hand side (4) shows the property-values of other items so you can rate „in respect“ to the other ratings

## 4.3 Properties Editor: Adding Attributes



- Injuk allows you to add your own attributes (that contain property-values).
- There are two types of attributes in Injuk:
  - percent-attributes can contain values between 0% and 100% (e.g. Happiness)
  - boolean-attributes can be either true or false (e.g. ISMUSIC)
- To add an attribute just click „add percent attribute“ or „add boolean attribute“ (1)



## 4.3 Properties Editor: „Preview“ Play

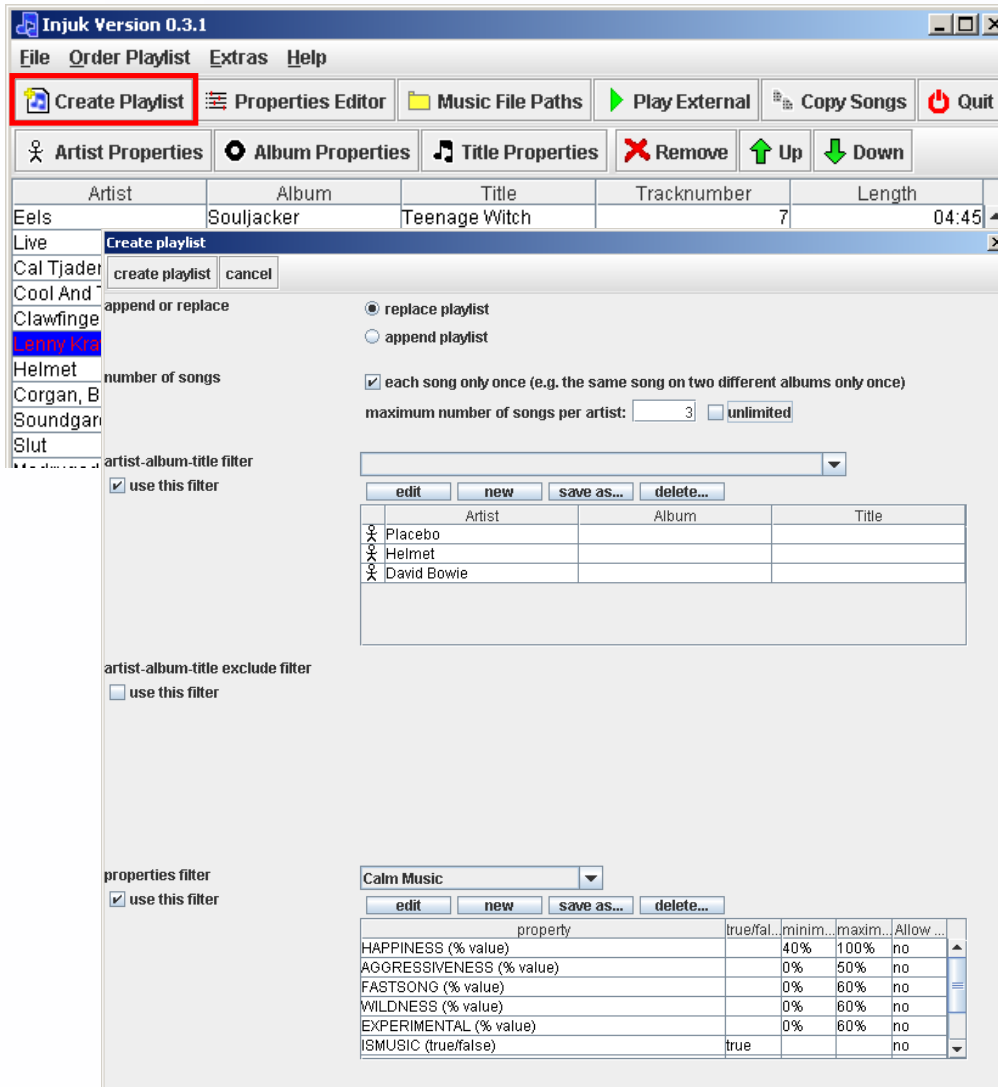
The screenshot shows a software window titled "Properties Editor" with a "preview" play control at the top right. The control includes a play button (1) and a stop button (2). Below the control is a table with columns for Attribute, Artist, Album, and Title. The "EXPERIMENTAL" attribute is selected and highlighted in blue. To the right of the table, a list of example values for the "EXPERIMENTAL" attribute is displayed, including "100%:[Einstürzende Neubauten]", "90%:[Die Goldenen Zitronen, Sonic Youth]", "80%:[Add N To X, Barry Adamson, David Byrne]", "70%:[12 Rounds, Angelo Badalamenti]", "60%:[A Perfect Circle, Bad Religion, The Dillinger Escape Plan]", "50%:[Blind Melon, Bloodhound Gang, The Roots]", "40%:[Beatsteaks, Cyrus Chestnut, Erykah Badu]", "30%:[Alanis Morissette, Benny Goodman]", "20%:[Anita O'Day, Belle & Sebastian]", "10%:[Aimee Mann, Antonio Carlos Jobim]", and "0%:[Bill Evans, Musica Libre Ensemble]".

Attribute	Artist	Album	Title
HAPPINESS	40%	(no set)	50%
AGGRESSIVENESS	20%	40%	60%
COSINESS	80%	60%	40%
FASTSONG	30%	40%	(no set)
WILDNESS	30%	50%	60%
<b>EXPERIMENTAL</b>	<b>20%</b>	<b>(no set)</b>	<b>50%</b>
ISMUSIC	tru (unset)	set	(no set)
ISENGLISH	tru	set	(no set)
ISGERMAN	fa 0%	set	(no set)
ISFRENCH	fa 10%	set	(no set)
ISSWEDISH	fa 20%	set	(no set)
ISINSTRUMENTAL	fa	set	(no set)
ISJAZZ	fa 30%	set	(no set)
ISCLASSIC	fa 40%	set	(no set)
ISPOP	fa 50%	set	(no set)
ISRAPORHIPHOP	fa 60%	set	(no set)
ISALTERNATIVE	fa 70%	set	(no set)
ISLIVE	fa	set	(no set)
ELECTRONICSOUND...	fa 80%	set	(no set)
E_GUITARSUSED	tru 90%	set	(no set)
KEYBOARDUSED	fa	set	(no set)
DRUMSUSED	tru 100% (H)	set	(no set)

- Sometimes when you're rating artists, albums or titles, it's a good help to be able to listen to the songs. That's what the „preview“ play is for.
- Just click on the play button (1) and the songs that belong to the current selection will be played until you press stop (2)

## 4.4 Creating Playlists: Open the dialog

- To create (or append) a new playlist, click on the „Create Playlist“-Button to open the „Create Playlist“ - dialog



## 4.4 Creating Playlists: Filters

The screenshot shows the 'Create playlist' dialog box with the following settings:

- append or replace:**  replace playlist,  append playlist
- number of songs:**  each song only once (e.g. the same song on two different albums only once), maximum number of songs per artist: 3,  unlimited
- artist-album-title filter (1):**  use this filter. A table lists artists: Placebo, Helmet, David Bowie.
- artist-album-title exclude filter (2):**  use this filter.
- properties filter (3):**  use this filter. A table lists properties: HAPPINESS (% value), AGGRESSIVENESS (% value), FASTSONG (% value), WILDNESS (% value), EXPERIMENTAL (% value), ISMUSIC (true/false).

Artist	Album	Title
Placebo		
Helmet		
David Bowie		

property	true/fal..	minim...	maxim...	Allow ...
HAPPINESS (% value)		40%	100%	no
AGGRESSIVENESS (% value)		0%	50%	no
FASTSONG (% value)		0%	60%	no
WILDNESS (% value)		0%	60%	no
EXPERIMENTAL (% value)		0%	60%	no
ISMUSIC (true/false)	true			no

- To create a playlist you can use three different filters:
  - artist-album-title filter (1)
  - artist-album-title exclude filter (2)
  - properties-filter (3)
- You can turn the filters on an off with the „use this filter“-checkboxes

## 4.4 Creating Playlists: Append or replace

**Create playlist**

create playlist cancel

**append or replace**

replace playlist  
 append playlist

**number of songs**

each song only once (e.g. the same song on two different albums only once)  
maximum number of songs per artist:   unlimited

**artist-album-title filter**

use this filter

edit new save as... delete...

	Artist	Album	Title
X	Placebo		
X	Helmet		
X	David Bowie		

**artist-album-title exclude filter**

use this filter

**properties filter**

use this filter

Calm Music

edit new save as... delete...

property	true/fal..	minim...	maxim...	Allow ...
HAPPINESS (% value)		40%	100%	no
AGGRESSIVENESS (% value)		0%	50%	no
FASTSONG (% value)		0%	60%	no
WILDNESS (% value)		0%	60%	no
EXPERIMENTAL (% value)		0%	60%	no
ISMUSIC (true/false)	true			no

- Choose replace to replace the playlist that's currently in the main window by the created playlist
- Choose append to append it (at the end)

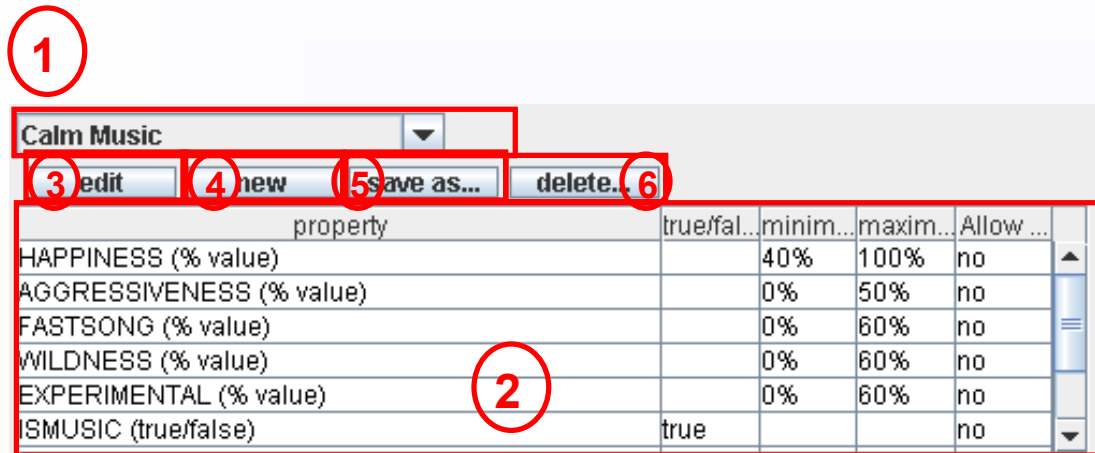
## 4.4 Creating Playlists: „Number of songs“

The screenshot shows a playlist creation interface with the following elements:

- Two radio buttons:  replace playlist and  append playlist. A red circle with the number '1' is around the 'append playlist' option.
- A checked checkbox:  each song only once (e.g. the same song on two different albums only once).
- A text input field: maximum number of songs per artist: . A red circle with the number '2' is around the '3'.
- A checkbox:  unlimited.

- Select „each songs only once“ to prevent songs to appear more than once in your playlist. E.g. this could happen if you have a „Best-Of“-album and a „regular“ album from an artist.
- With „maximum number of songs per artist“, you can define how many songs per artist you want to add to the playlist (e.g. select 3 to have no artist appear more than three times in the playlist)
- Choose „unlimited“ to allow as many songs per artist as there are

## 4.4 Creating Playlists: Handling filters



- With the combo-box (1) you can load filters
- The filters are displayed in a table (2)
- To change a filter click „edit“ (3)
- Filters are saved automatically under the selected name. If no name is selected, the filter is not saved.
- Click „new“ to „clear“ the filter
- Use „save as...“ to save the current filter under a different name
- Use „delete“ to delete a saved filter

## 4.4 Creating Playlists: Using Artist-album-title (exclude) filter

**artist-album-title filter**

use this filter

	Artist	Album	Title
X	Placebo		
X	Helmet		
X	David Bowie		

**artist-album-title exclude filter**

use this filter

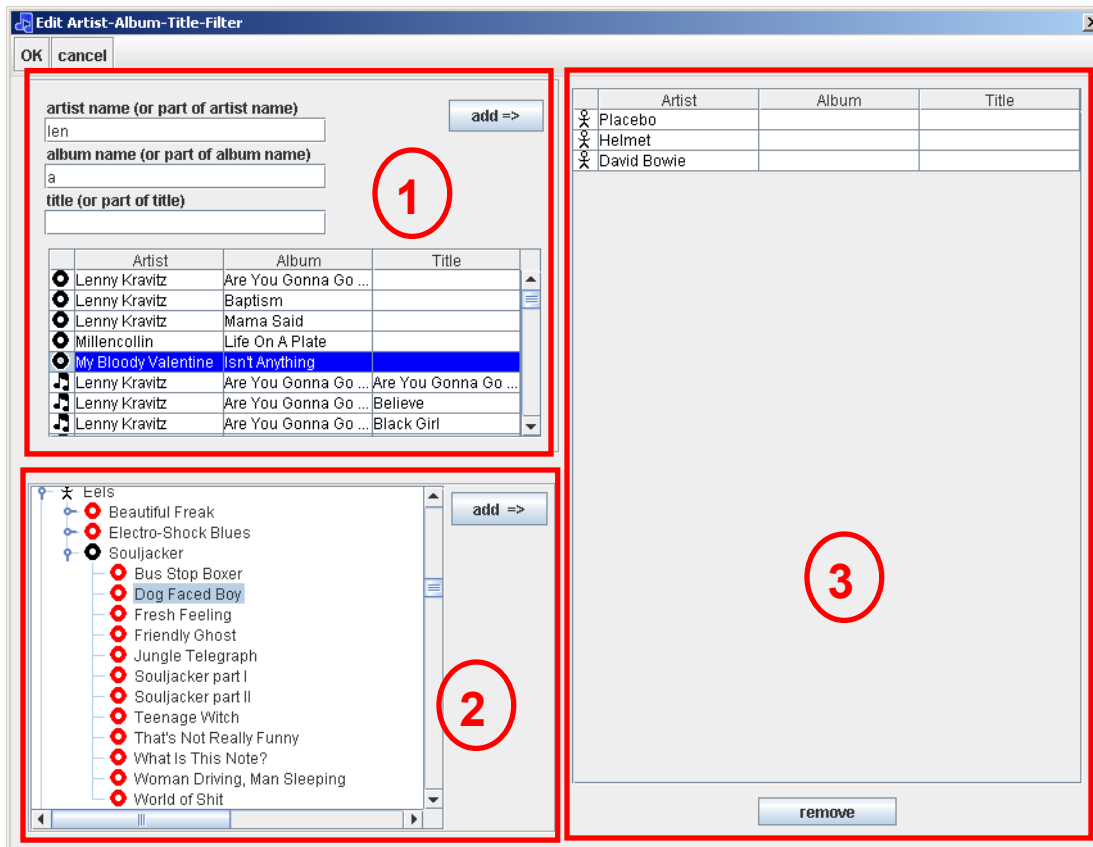
**properties filter**

use this filter

property	true/fal...	minim...	maxim...	Allow ...
HAPPINESS (% value)		40%	100%	no
AGGRESSIVENESS (% value)		0%	50%	no
FASTSONG (% value)		0%	60%	no
WILDNESS (% value)		0%	60%	no
EXPERIMENTAL (% value)		0%	60%	no
ISMUSIC (true/false)	true			no

- With the artist-album-title filter and the artist-album-title-exclude filter you can choose which songs should be included or excluded.
- If you turn the artist-album-title filter off, all artists, albums and titles are possible
- If you turn the artist-album-title-exclude filter off, no artists, albums or titles will be excluded
- If an item (artist, album or title) appears in both filters, it will not be included in the playlist

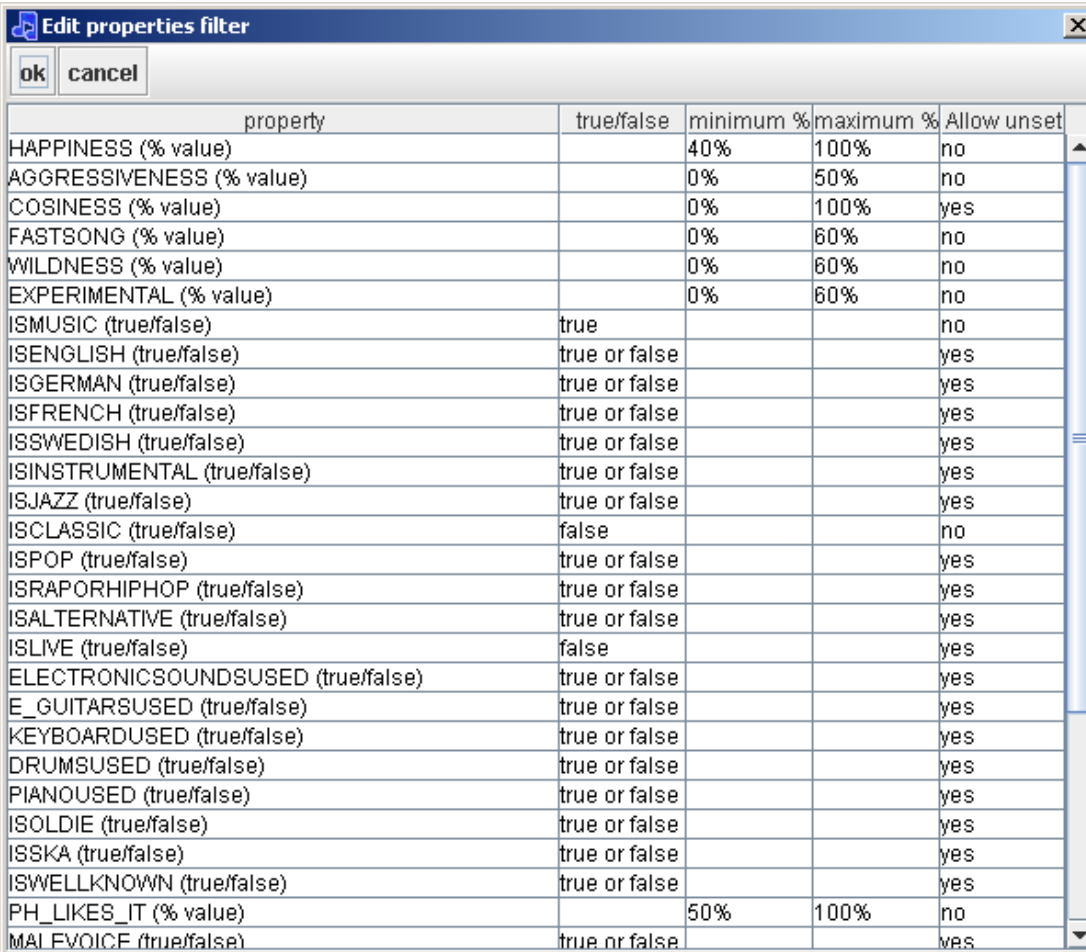
## 4.4 Creating Playlists: Editing Artist-album-title(exclude) filter



- The artist-album-title filter editor is designed for high convenience
- You can select artists, albums and titles with „search-as-you-type“ filters and selecting from a list (1)
- You can also choose the items in a tree-view (2)
- Click the associated „add“-button to add the items (artists, albums, titles) to the selection list (3)
- Click „remove“ to remove the items from the selection list



## 4.4 Creating Playlists: Editing Property-filters

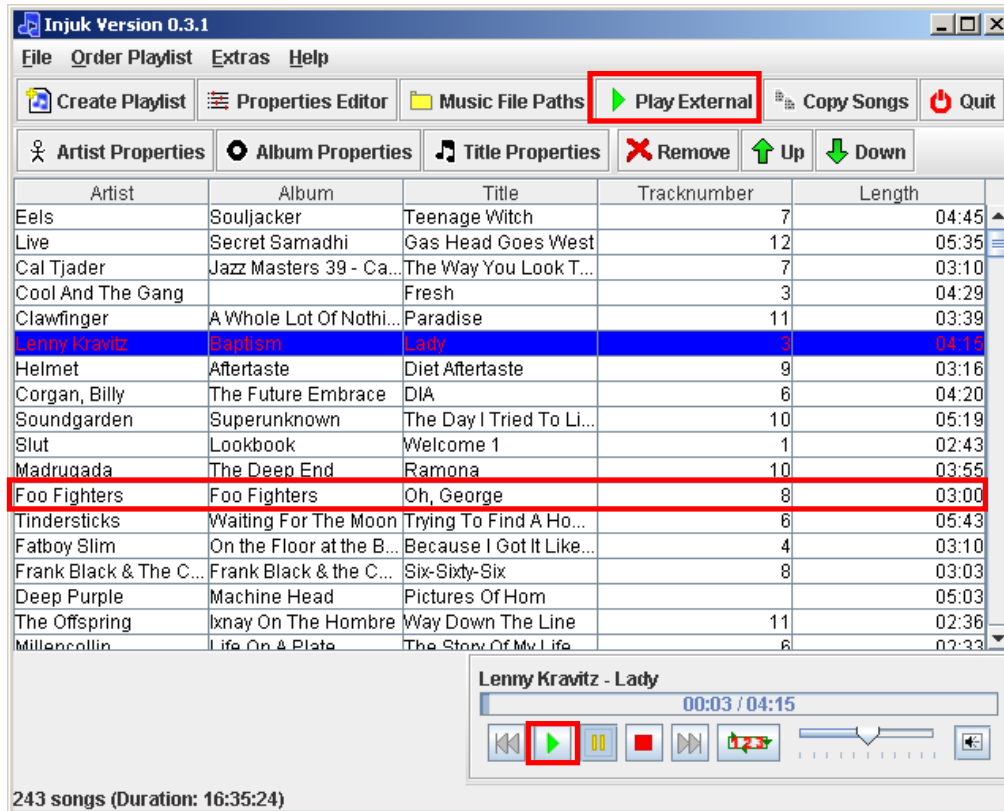


The screenshot shows a dialog box titled "Edit properties filter" with "ok" and "cancel" buttons. It contains a table with the following columns: "property", "true/false", "minimum %", "maximum %", and "Allow unset".

property	true/false	minimum %	maximum %	Allow unset
HAPPINESS (% value)		40%	100%	no
AGGRESSIVENESS (% value)		0%	50%	no
COSINESS (% value)		0%	100%	yes
FASTSONG (% value)		0%	60%	no
WILDNESS (% value)		0%	60%	no
EXPERIMENTAL (% value)		0%	60%	no
ISMUSIC (true/false)	true			no
ISENGLISH (true/false)	true or false			yes
ISGERMAN (true/false)	true or false			yes
ISFRENCH (true/false)	true or false			yes
ISSWEDISH (true/false)	true or false			yes
ISINSTRUMENTAL (true/false)	true or false			yes
ISJAZZ (true/false)	true or false			yes
ISCLASSIC (true/false)	false			no
ISPOP (true/false)	true or false			yes
ISRAPORHIPHOP (true/false)	true or false			yes
ISALTERNATIVE (true/false)	true or false			yes
ISLIVE (true/false)	false			yes
ELECTRONICSOUNDSUSED (true/false)	true or false			yes
E_GUITARSUSED (true/false)	true or false			yes
KEYBOARDUSED (true/false)	true or false			yes
DRUMSUSED (true/false)	true or false			yes
PIANOUSED (true/false)	true or false			yes
ISOLDIE (true/false)	true or false			yes
ISSKA (true/false)	true or false			yes
ISWELLKNOWN (true/false)	true or false			yes
PH_LIKES_IT (% value)		50%	100%	no
MAI EVOICE (true/false)	true or false			yes

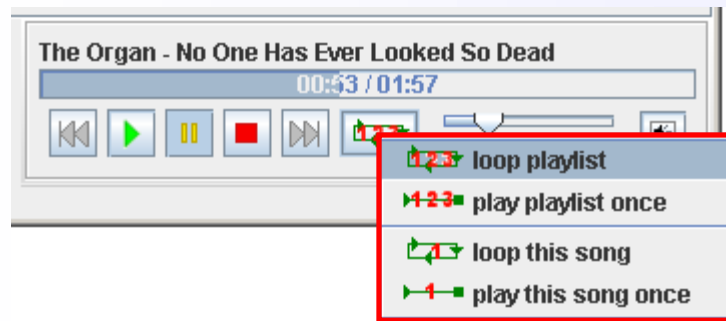
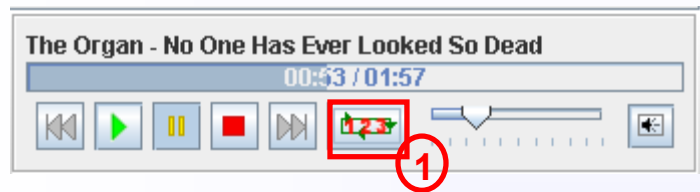
- Click in the appropriate column
  - for boolean-attributes:
    - „true/false“ and
    - „Allow unset“
  - for percent attributes
    - „minimum %“
    - „maximum %“ and
    - „Allow unset“
- „Allow unset“ lets Injuk decide whether to include songs that don't have a property-value (neither or artist, nor or album or title-level) for the attribute

## 4.5 Playing songs: Starting Playback



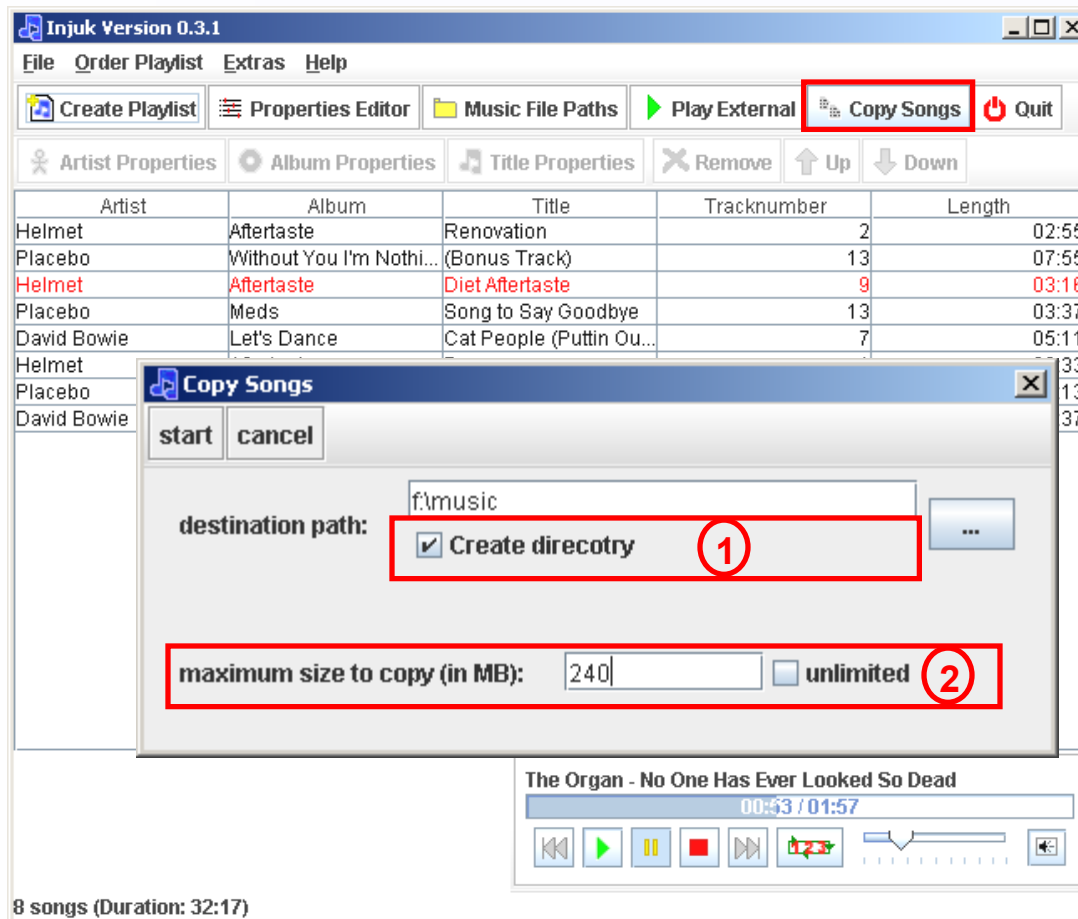
- To play a song with the internal player you can
  - double-click it in the playlist
  - select it in the playlist and click the green play-button in the internal player
  - (If you have a System-Tray-icon, you can also double-click that)
- To play a song with an external player, click the „Play External“-button in the toolbar

## 4.5 Playing songs: Playback modes



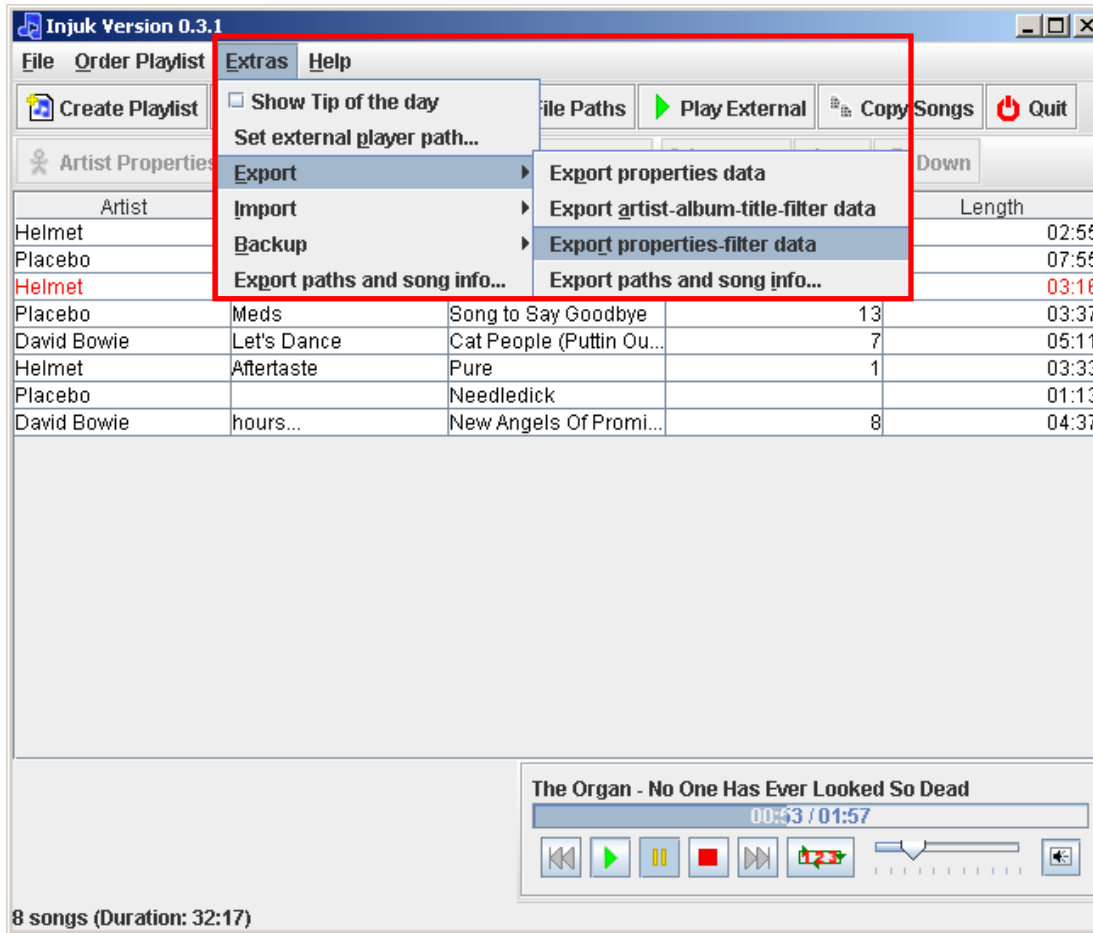
- You can select different playback modes by clicking on the „playback mode“-button (1)
- When you select „loop playlist“ the playlist is played and then started over again
- „Play playlist once“ stops after the last song
- „loop this song“ repeats one song
- „play this song once“ stops after the current song as been finished

## 4.6 Copying Songs



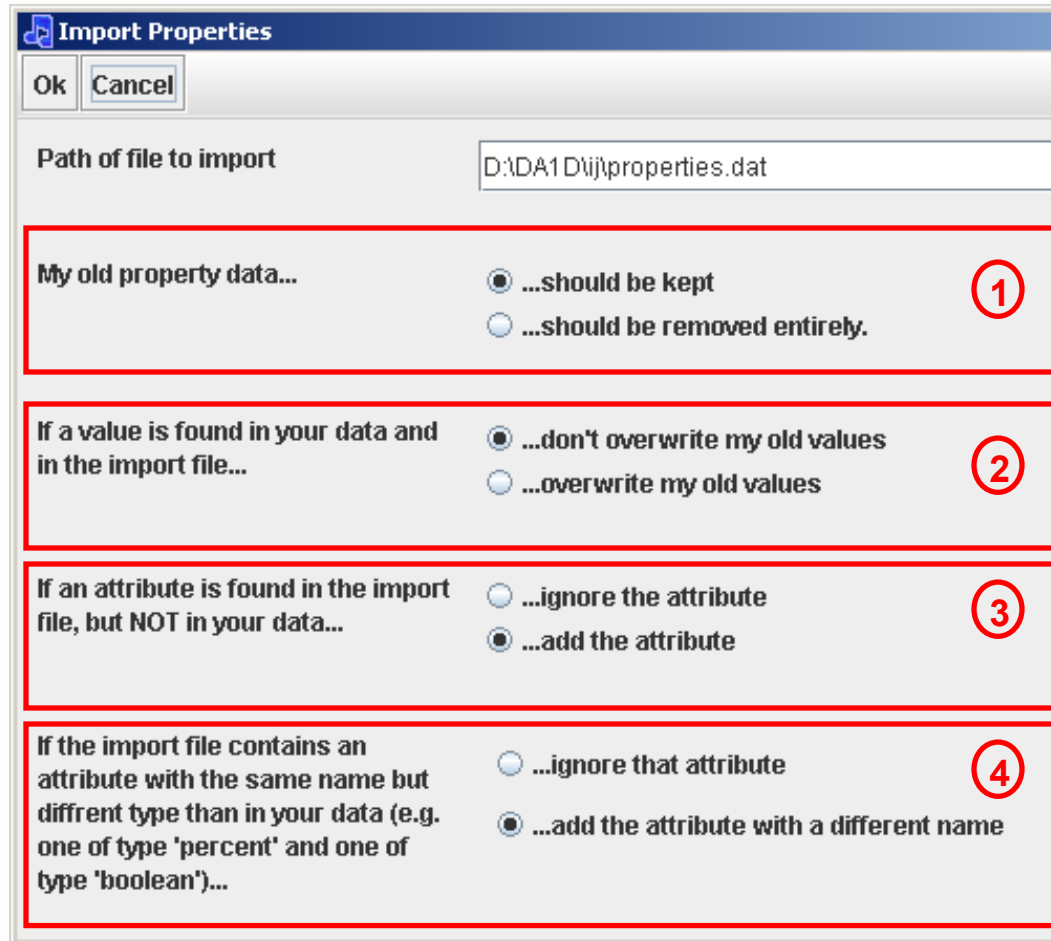
- To copy songs (e.g. to a USB-Stick-MP3-Player) click the „Copy Songs“-button in the toolbar of the main window
- Use „create directory“ (1) if you want to create the selected directory (if it doesn't exist yet)
- Specify „maximum size to copy“(2) e.g. if there's a limited capacity on the destination drive

## 4.7 Import/Export: Overview



- You can import and export your data (e.g. when changing to a newer Injuk version) with the „Extras“-menu
- Import and export can also be used to share your property data or filters with others

## 4.7 Import/Export: Importing Properties



**Import Properties**

Ok Cancel

Path of file to import: D:\DA1 D\ij\properties.dat

**1** My old property data...  
 ...should be kept  
 ...should be removed entirely.

**2** If a value is found in your data and in the import file...  
 ...don't overwrite my old values  
 ...overwrite my old values

**3** If an attribute is found in the import file, but NOT in your data...  
 ...ignore the attribute  
 ...add the attribute

**4** If the import file contains an attribute with the same name but different type than in your data (e.g. one of type 'percent' and one of type 'boolean')...  
 ...ignore that attribute  
 ...add the attribute with a different name

- You can delete all your old data (1)
- You can keep your property-values and only add new ones (2)
- You can add new attributes (3)
- You can add attributes with the same name but a different type (4)

## 4.7 Import/Export: Importing Filters



- When importing filters you can...
  - ...choose whether to delete all your current filter data (1)
  - ... choose whether to keep or overwrite your values (2) (has no effect when you select clearing, of course)

## 4.8 System-Tray Icon

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- If system-tray icons are supported on your operating system, Injuk is hidden when you select the window to minimize
- To make it visible again, click on the system tray icon
- When you double-click the icon the current song is played (without showing/hiding Injuk windows)
- When you double-click the icon again the song is paused