

Digital Music Metadata

SongKong Music Tagger

Automatically managing your music metadata



Digitized Music Library - Problems

- Different mechanisms used to rip or download music
- Music stored in different audio formats
- Music collections much larger than before
- Quality of original metadata varies considerably
- No comprehensive metadata standard
- Manually adding metadata very time consuming
- Impossible to keep metadata consistent as add to collection

SongKong - Concept

- Should be possible to **automatch** and add metadata for majority of music collection **easily**
- Need to apply **consistency** over collection, and keep consistent
- Fix metadata **within files** so customer not tied to a particular music player (iTunes/Roon, Naim Wav Metadata)
- Need **rich comprehensive metadata**, simple album/artist/title not enough
- But need to give customer **enough control** because there is no such thing as a single one-fit metadata solution
- Music collections are **valuable** and **personal** so we need
 - An audit of what has changed
 - Ability to undo changes if we don't like them



SongKong Music Tagger Installation

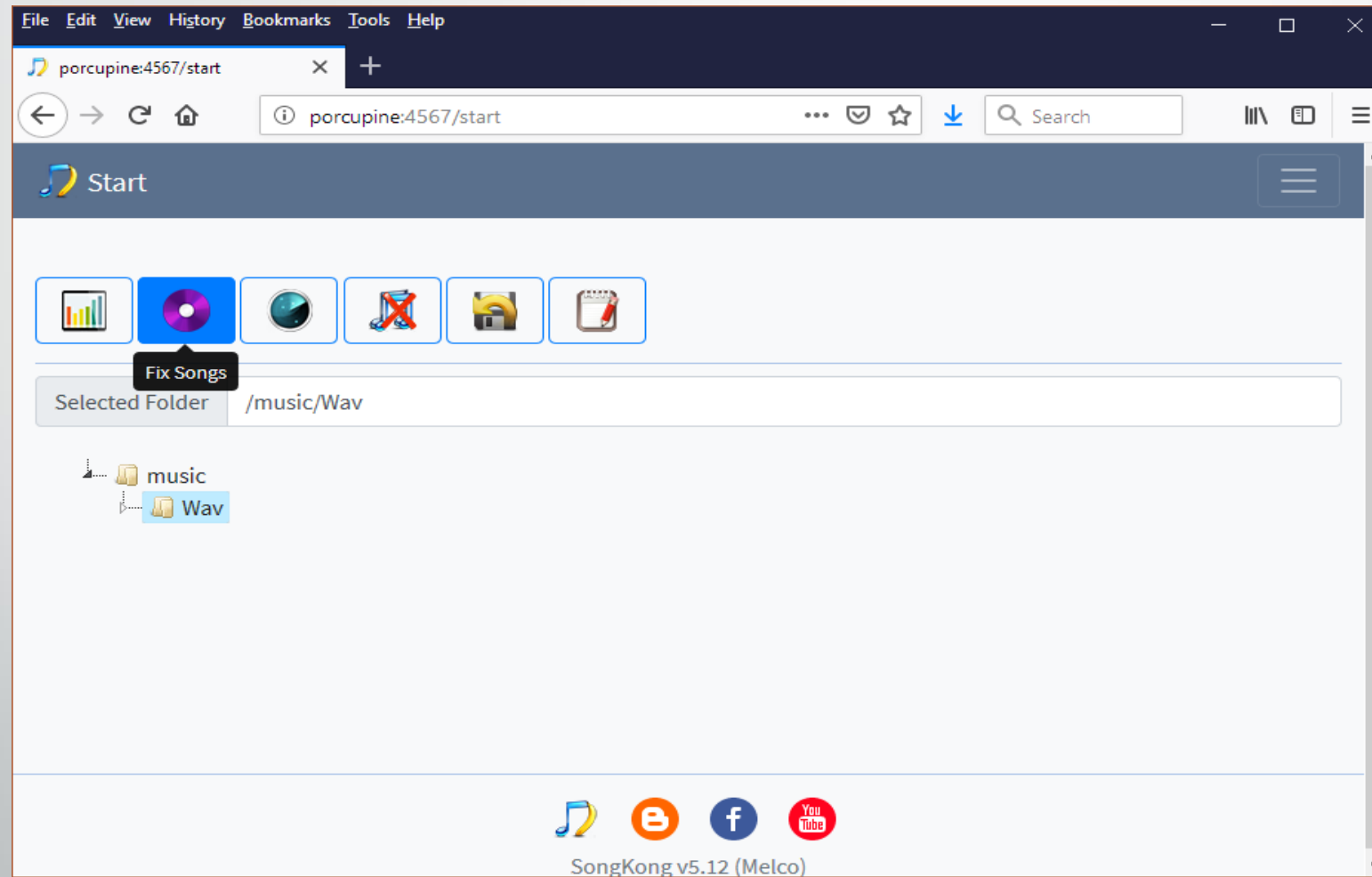
- Available for:
 - Windows
 - MacOS
 - Linux
 - Synology Disk Station
 - Qnap Nas
 - Melco N1 Audio Server
- **Desktop** and **Remote** interface for Windows/MacOS, Linux Desktop
- Remote Web Interface for others so can be controlled from **web browser** even on iPad or phone



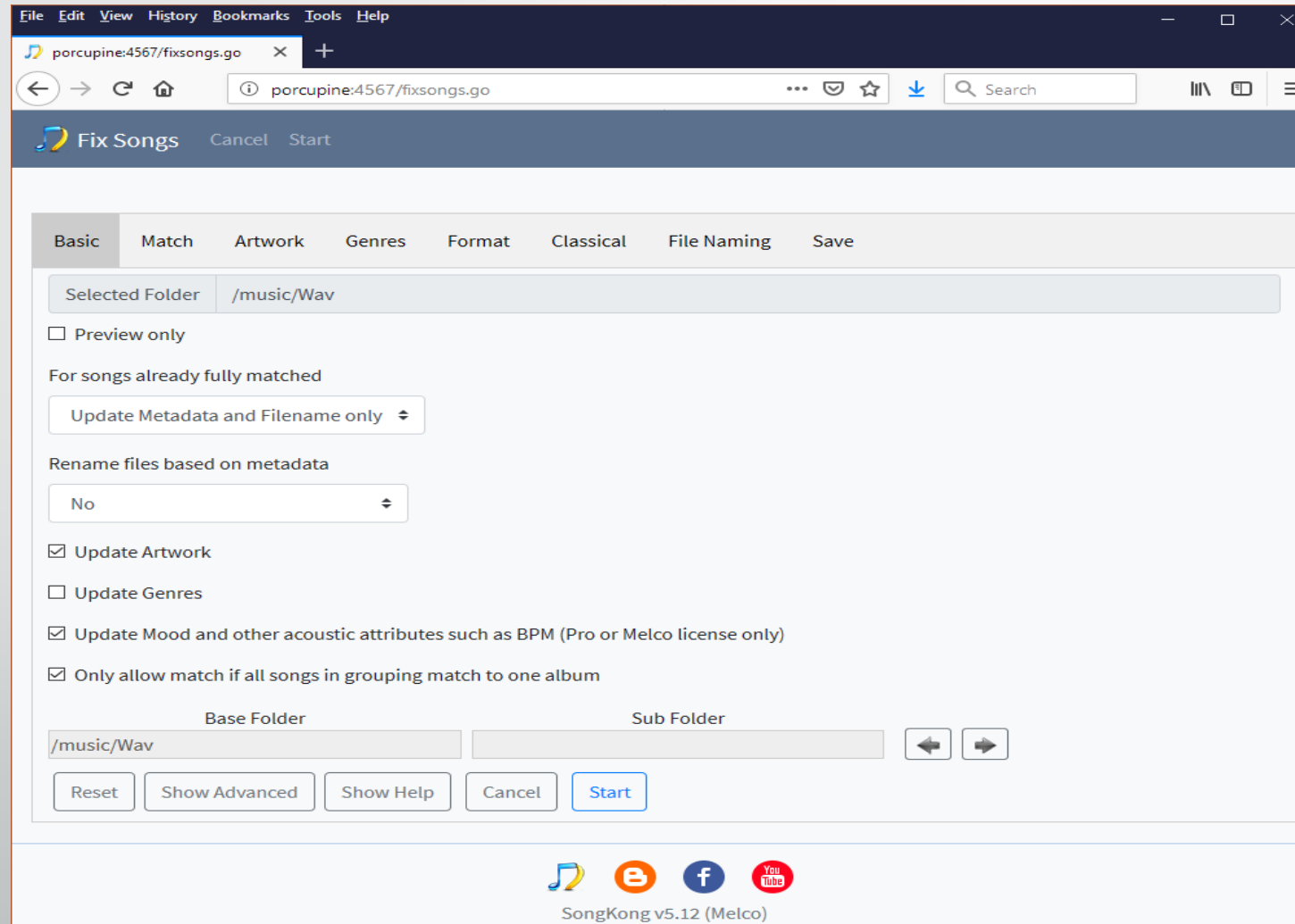
Three steps to Improved Metadata

1. Select your Music folder and Run *Fix Songs* task.
2. Review the Options, then press **Start**
3. Wait for completion, detailed **report** shows exactly what has changed

1. Select your Music folder and Run *Fix Songs* task



2. Review any Options, e.g Basic Options



The screenshot displays the SongKong v5.12 (Melco) web interface in a browser window. The browser's address bar shows the URL `porcupine:4567/fixsongs.go`. The application title is "Fix Songs" with "Cancel" and "Start" buttons. The interface features a tabbed menu with "Basic" selected, and other tabs for "Match", "Artwork", "Genres", "Format", "Classical", "File Naming", and "Save".

Under the "Basic" tab, the "Selected Folder" is set to `/music/Wav`. The "Preview only" checkbox is unchecked. For songs already fully matched, the dropdown menu is set to "Update Metadata and Filename only". The "Rename files based on metadata" dropdown is set to "No".

Checkboxes for "Update Artwork", "Update Genres", "Update Mood and other acoustic attributes such as BPM (Pro or Melco license only)", and "Only allow match if all songs in grouping match to one album" are all checked.

At the bottom, there are input fields for "Base Folder" (containing `/music/Wav`) and "Sub Folder", with left and right arrow buttons between them. Below these are buttons for "Reset", "Show Advanced", "Show Help", "Cancel", and "Start".

The footer of the application includes social media icons for SoundCloud, Bandcamp, Facebook, and YouTube, along with the text "SongKong v5.12 (Melco)".

Format Options (Desktop view)

Fix Songs

Basic Match Artwork Genres **Format** Classical File Naming Save

Never modify or add these fields:

Only modify these fields if empty:
BPM, Key, Mood

Allow changes to songs existing metadata fields if Song Only match

Romanize non-Latin script artist names wherever possible

Use standard Artist name instead of name displayed on cover

Use standard Track title instead of title displayed on cover

Use standard Release title instead of title displayed on cover

Use Original Release Date

Add EP, Single, Compilation, Live and Remix release types to release title

Add Audio Format to release title

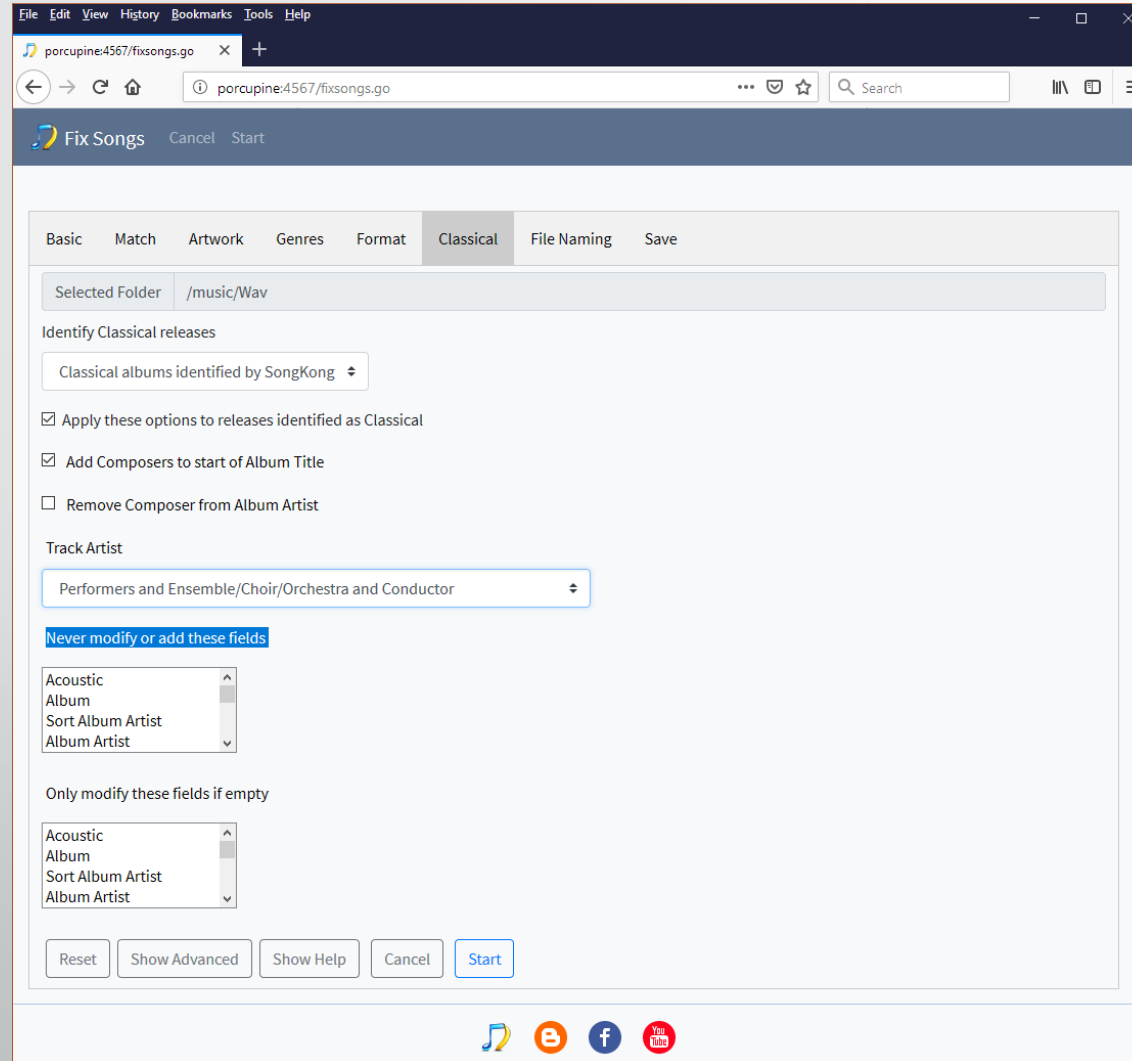
Add [HD] to album title for High Definition albums (Pro or Melco license only)

When tracks contains featured artists:

When albums contains featured album artists:

Multi Disc Releases :

Classical Options (Web Browser View)



.. then press **Start**

File Edit View History Bookmarks Tools Help

porcupine:4567/fixsongs.go

porcupine:4567/fixsongs.go

Fix Songs Cancel Start

Basic Match Artwork Genres Format Classical File Naming Save

Selected Folder /music/Wav

Simplify non-standard characters

Rename filename part only

Use Windows compatible characters in filenames

Enable Maximum File Path Length

Move Folder

Move Unmatched Folder

Limit File Path to Windows Explorer 259 Character limit

Apply to internal and locally connected NTFS/FAT32 drives only

Rename mask

AlbumArtistArtist/Album/Artist - Album - Track - Title

Compilation rename mask

AlbumArtistVariousArtist/Album/Artist-Album-TrackNo-Title

Filename Masks

AlbumArtistArtist/Album/Artist - Album - Track - Title Edit Add Delete

Javascript User Defined Functions

ifmultidisc(value) Edit Add Delete

Reset Hide Advanced Show Help Cancel Start

Fix Songs, album and song matching

SongKong utilizes the *Albunack* database, an enhanced version of MusicBrainz, Discogs AcoustId and Wikipedia combined.

Utilizes audio fingerprinting, existing metadata and folder structure for the best possible identification

It tries **very hard** to find a good **Album match** using a variety of methods. But if it cannot find an acceptable match for all songs to the same album it doesn't do an album match

But if it can still identify the song it does a **Song Only match**, and then will only update fields that are not album specific.

i.e. Can Update

Track Artist	Title	Composer
--------------	-------	----------

i.e. Not update

Album Artist	Album	Track No
--------------	-------	----------



3. Report shows exactly what has changed

The screenshot displays the SongKong web application interface. On the left, there is a navigation sidebar with the SongKong logo and instructions: "Select a heading below to expand it, you can then select further and see the results in the right-hand side. Regardless of whether you are in Preview, Trial or Full mode you can always see what albums your songs have been matched to and exactly what information has been added to your songs". Below this are buttons for "Return to Start", "Summary", "Options", and "Matched to MusicBrainz release". Under "Matched to MusicBrainz release", there are expandable sections for letters A, C, and D. Section D is expanded, showing a list of artists and song counts: Dallas Symphony Orchestra, Eduardo Mata (4 songs); Dallas Winds, Frederick Fennell, Paul Riedo (9 songs); David Ferrard (13 songs); David Guetta (13 songs); and Dead Inside (14 songs).

The main content area is titled "Matched to MusicBrainz release - Def Leppard". It shows details for the album "High 'n' Dry" (Mercury Records, Cat No: 818 836-2 Y-1, CD) with a MusicBrainz Release ID of 0cedcecf-2a23-4588-905c-f67855b2d2e6. It states that 12 songs were matched. Below this, it lists all songs matched to files from the /music/Wav/Music/Def Leppard/High 'n' Dry folder. A table shows the first four tracks:

Track No	Artist	Title	Original Filename
1 of 12	Def Leppard	Let It Go	Def Leppard - High 'n' Dry (Wav) - 01 - Let It Go.wav
2 of 12	Def Leppard	Another Hit and Run	Def Leppard - High 'n' Dry (Wav) - 02 - Another Hit and Run.wav
3 of 12	Def Leppard	High 'n' Dry (Saturday Night)	Def Leppard - High 'n' Dry (Wav) - 03 - High 'n' Dry (Saturday Night).wav
4 of 12	Def Leppard	Bringin' On the Heartbreak	Def Leppard - High 'n' Dry (Wav) - 04 - Bringin' On the Heartbreak.wav

Each track entry includes a small audio player with a play button, a progress bar, and a volume control icon.

Song Changes Report

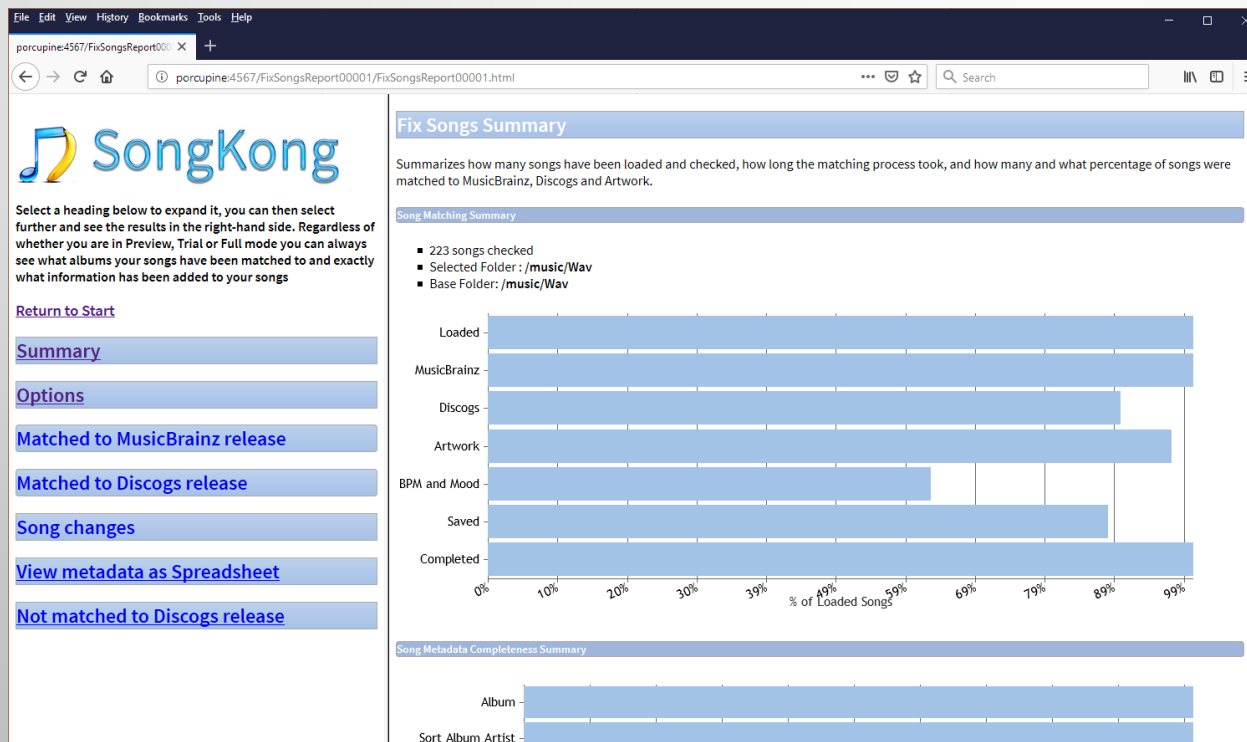
Gives confidence because:

- Html report that opens in browser
- Summarises the results with easy to understand bar chart
- Records exactly what options were used during the task run
- Details exactly what has been matched
- And what has changed
- Lets you to browse the linked MusicBrainz/Discogs release
- Creates a spreadsheet that shows all of your files metadata



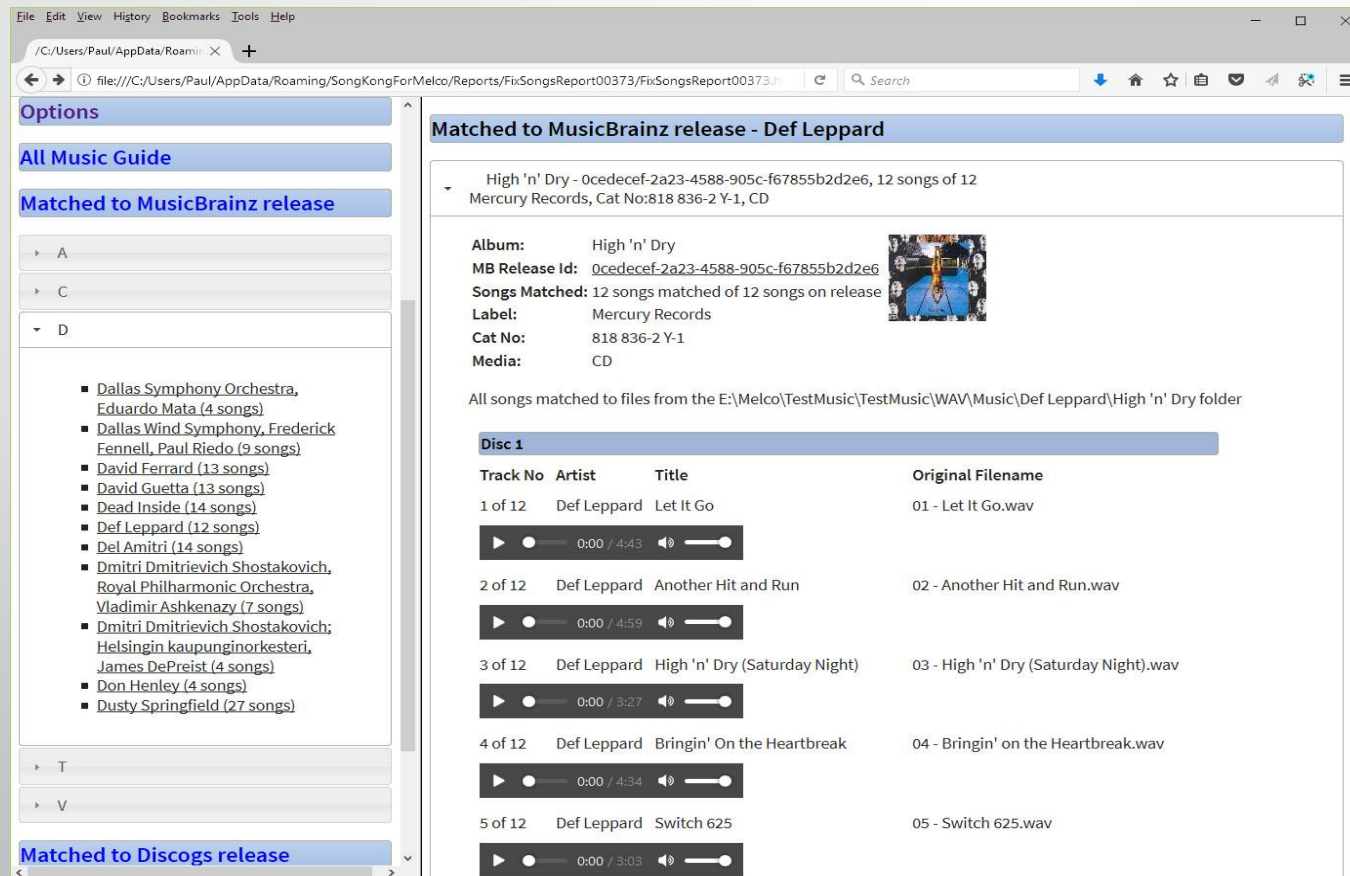
Report - Summary

- Bar charts show songs processed, saved and completed
- Includes songs matched to MusicBrainz, Discogs and Artwork
- Includes start and end date



Report - Matched to MusicBrainz/Discogs

- Browse how songs have been matched based on the album
- You can also play your songs within the browser



The screenshot shows a web browser window with the following content:

- Options**
- All Music Guide**
- Matched to MusicBrainz release**
- Navigation tabs: A, C, D (selected), T, V
- Matched to Discogs release**

Matched to MusicBrainz release - Def Leppard

High 'n' Dry - 0cedecef-2a23-4588-905c-f67855b2d2e6, 12 songs of 12
Mercury Records, Cat No:818 836-2 Y-1, CD

Album: High 'n' Dry
MB Release Id: 0cedecef-2a23-4588-905c-f67855b2d2e6
Songs Matched: 12 songs matched of 12 songs on release
Label: Mercury Records
Cat No: 818 836-2 Y-1
Media: CD

All songs matched to files from the E:\Melco\TestMusic\TestMusic\WAV\Music\Def Leppard\High 'n' Dry folder

Disc 1

Track No	Artist	Title	Original Filename
1 of 12	Def Leppard	Let It Go	01 - Let It Go.wav
2 of 12	Def Leppard	Another Hit and Run	02 - Another Hit and Run.wav
3 of 12	Def Leppard	High 'n' Dry (Saturday Night)	03 - High 'n' Dry (Saturday Night).wav
4 of 12	Def Leppard	Bringin' On the Heartbreak	04 - Bringin' on the Heartbreak.wav
5 of 12	Def Leppard	Switch 625	05 - Switch 625.wav

Report - Matched to MusicBrainz – View on MusicBrainz

- And you can easily view the release on MusicBrainz itself

The screenshot displays a web browser window with the following content:


- Browser Address Bar:** file:///C:/Users/Paul/AppData/Roaming/SongKongForMelco/Reports/FixSongsReport00373/FixSongsReport00373.html
- Page Header:** MusicBrainz, Log In, Create Account, Search, Artist, English
- Release Title:** High 'n' Dry (see all versions of this release, 18 available)
- Tracklist:**

#	Title	Rating	Length
1	Let It Go	*****	4:43
2	Another Hit and Run	*****	4:59
3	High 'n' Dry (Saturday Night)	*****	3:27
- Release Information:**
 - Barcode: 042281883620
 - Format: CD
 - Length: 50:29
- Additional details:**
 - Type: Album
 - Packaging: Jewel Case
 - Status: Official
 - Language: English
 - Script: Latin
 - Data Quality: Normal
- Labels:**
 - Mercury Records
 - 818 836-2 Y-1
- Release events:**
 - United Kingdom
 - 1984-05-14
- Release group rating:** ***** (see all ratings)
- Tags:** (none)
- External links:** Discogs
- Release group external links:** AllMusic, Discogs, W en: High 'n' Dry, MusicMoz

Report - Song Changes

- You can drill down to see exactly what fields have been modified or added for a particular file

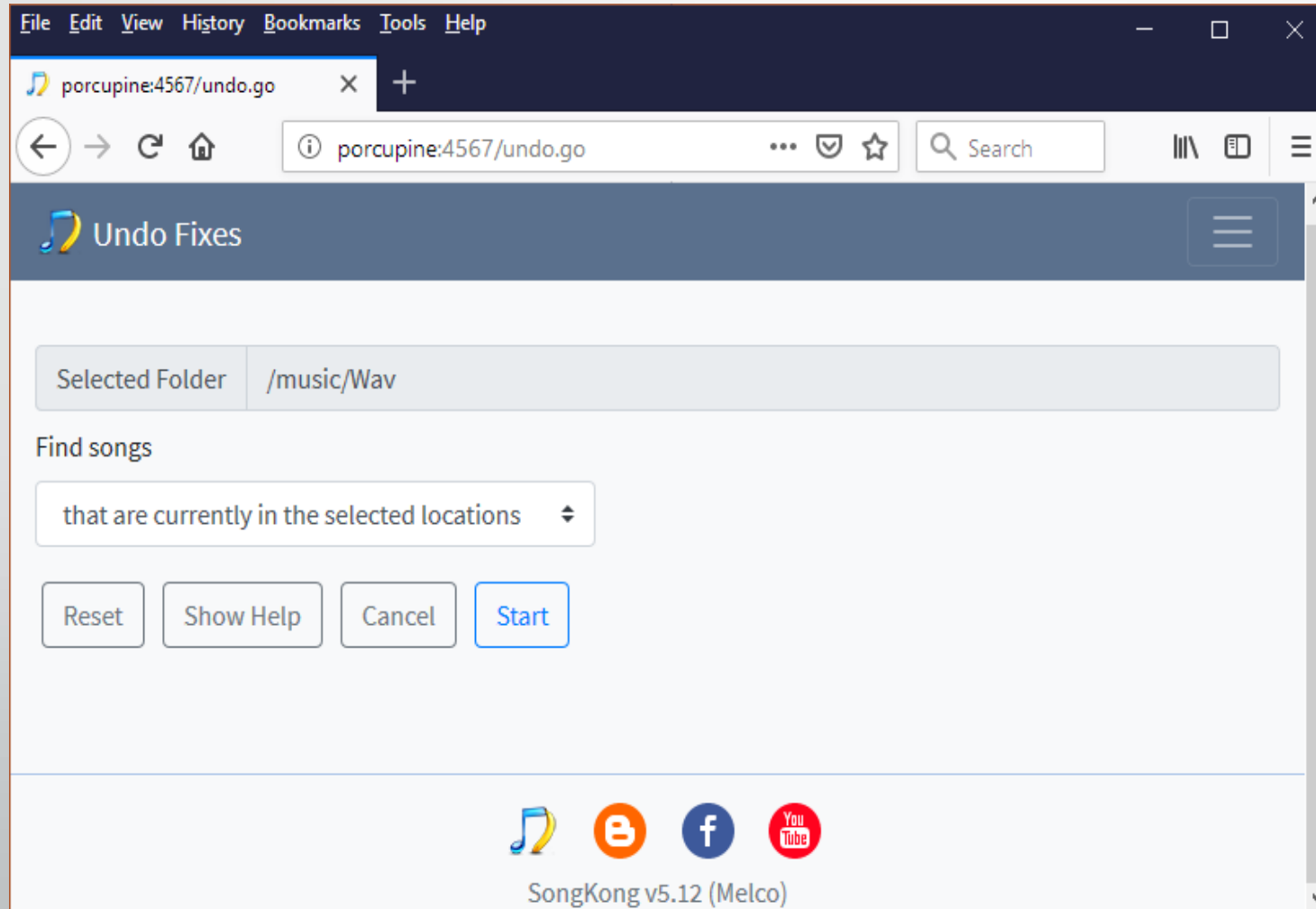
The screenshot shows a web browser window displaying a 'Song Changes' report. The browser's address bar shows the URL: 192.168.0.19:4567/FixSongsReport00002/FixSongsReport00002.html. The page has a dark theme and a navigation menu with options like 'Return to Start', 'Summary', 'Options', 'Matched to MusicBrainz release', 'Matched to Discogs release', 'Song changes', and 'View metadata as Spreadsheet'. The 'Song changes' section is active, showing a file path: /mnt/disk1/share/import/all/Music/WAV/Alaska/Happiness. The main content area displays a comparison of metadata for two versions of the file. The first version is for 'Alaska (13 songs)' and the second is for 'Alaska'. The 'Song changes' section highlights the differences between the two versions. The 'Is Classical' field is highlighted in yellow, indicating a change from 0 to 0. The 'Artwork' field is also highlighted in yellow, showing a change from a missing image to a 600 x 541 image. The 'MB Artist Id' and 'MB Original Release Id' fields are also highlighted in yellow, indicating changes in the MusicBrainz identifiers.

Field	Version 1	Version 2
Artist	Alaska	Alaska
Sort Artist	Alaska	Alaska
Artists	Alaska	Alaska
Sort Artists	Alaska	Alaska
Barcode	5021449019724	5021449019724
Cat No	dogger 2	dogger 2
Country	United Kingdom	United Kingdom
Artwork		 600 x 541
Disc No	01	01
Disc Total	01	01
Is Classical	0	0
Language	eng	eng
Media	CD	CD
MB Artist Id	ee38edbe-a1ee-455e-8153-5e0d6fc40960	ee38edbe-a1ee-455e-8153-5e0d6fc40960
MB Original Release Id	883b2b2f-7882-4032-994a-83e9e76d4090	883b2b2f-7882-4032-994a-83e9e76d4090
MB Recording Id	20306130-bc5e-40f3-8262-009382fb35a8	20306130-bc5e-40f3-8262-009382fb35a8

Undo Changes, in case you change your mind

- SongKong adds all the metadata to the file itself so you are not reliant on SongKong after tagging.
- But it also writes changes to its **internal database**.
- This means that if you are not happy with the changes at a later date you can revert any changes SongKong has made to any folder.
- This can be **subfolder** of what you ran Fix Songs against
- This even applies if SongKong renamed the files
- It even applies if you have **rebooted**

Undo Changes, can track moved files



Other feature of Fix Songs

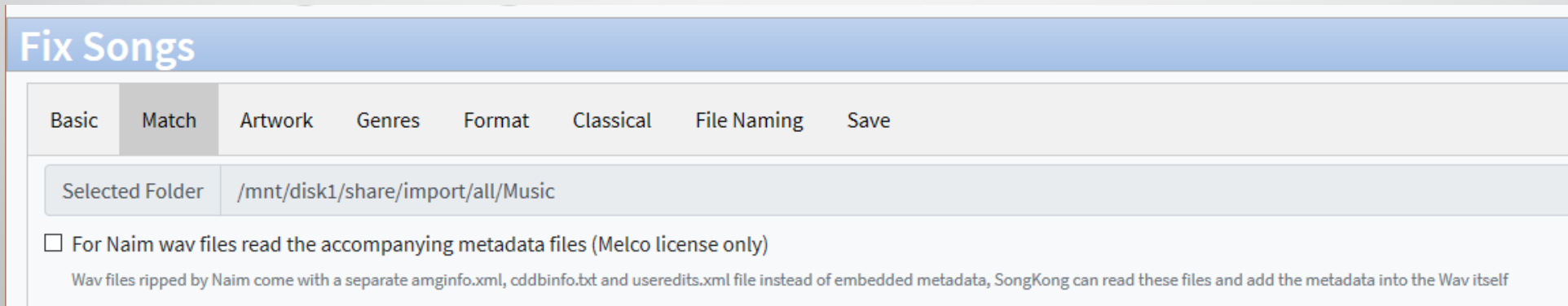
- Add Artwork
- Embed WAV metadata from NAIM UnitiServe
- Add Genres (from Discogs)
- Add BPM (from AcousticBrainz)

High Quality Artwork

- Adds high quality artwork from MusicBrainz, Discogs
- Can control min/max sizes and resize as required
- Can save artwork to filesystem as well as the files themselves to support tools that do not understand embedded metadata
- Control if replace existing lower resolution artwork or not

Embed metadata from NAIM UnitiServe

- NAIM servers don't have the ability to add metadata directly to WAV
- So they use custom xml files instead
- But this means that metadata is lost if move Music files from NAIM
- *SongKong* can read this metadata and put it into the files themselves
- This includes **user edits** made with the **Naim app**
- This is superfast, because only reading local files



The screenshot shows a web interface titled "Fix Songs" with a blue header. Below the header is a navigation bar with tabs: "Basic", "Match", "Artwork", "Genres", "Format", "Classical", "File Naming", and "Save". The "Match" tab is currently selected. Below the navigation bar, there is a "Selected Folder" field containing the path "/mnt/disk1/share/import/all/Music". Below this field is a checkbox labeled "For Naim wav files read the accompanying metadata files (Melco license only)". At the bottom of the interface, there is a small text note: "Wav files ripped by Naim come with a separate amginfo.xml, cddbinfo.txt and useredits.xml file instead of embedded metadata, SongKong can read these files and add the metadata into the Wav itself".

Genres and Styles from Discogs, Grey List

Fix Songs

Basic Match Artwork **Genres** Format Classical File Naming Save

Genre: From: Max no:

Grouping:

Allowed Genres:

```
Aboriginal;
Abstract;
Acidplace;
Acid House;
Acid Jazz;
Acid Rock;
Acoustic;
African;
Afrobeat;
Afro-Cuban;
Afro-Cuban Jazz;
Alternative Rock;
Ambient;
Andalusian Classical;
Arena Rock;
Art Rock;
Audiobook;
Avantgarde;
Avant-garde Jazz;
```

Restore Defaults Hide Advanced Cancel Start

BPM and Acoustic Analysis

- Crowd-sourced from AcousticBrainz, so **we don't have to analyse files (which is slow) just identify them**
- BPM
- Major Key/Instrumental/Non-instrumental
- Acoustic/Electronic

Fix Songs - Review

- Gives consistency over your music collection
- Highly configurable so can use to suit you
- Automated with no user interaction required during matching
- Can identify songs without metadata using **acoustic fingerprinting**
- Great depth of metadata added
- Supports all major formats including full metadata for **WAV** and **DSF**
- Report always created showing all modifications
- Changes stored in database and can be undone

Delete Duplicates

- SongKong can delete duplicates based at **song, album** and **album version** level
- Can restrict to duplicates within a format so can keep transcoded copies (e.g Wav, flac, mp3)
- Delete or move to special deletions folder
- Set criteria to decide how the duplicate to keep based on bit depth, audio format, filename ecetera

Delete Duplicates – Basic Options

The screenshot shows a web browser window with the URL `porcupine:4567/deleteduplicates.go`. The page title is "Delete Duplicate Songs". The interface is divided into "Basic" and "Advanced" tabs, with "Basic" selected. The "Selected Folder" is set to `/music/Wav`. There are two checkboxes: "Preview only" and "Find duplicates within same audio format only", both of which are unchecked. A dropdown menu titled "Song is a duplicate if has same" is open, showing several options. The option "Same song and same album (metadata only)" is selected and highlighted in blue. Below this, another dropdown menu titled "When you have duplicate songs" is open, showing two options: "Delete duplicate" (selected and highlighted in blue) and "Move duplicate to Duplicates folder". At the bottom of the form are four buttons: "Reset", "Show Help", "Cancel", and "Start". The footer of the page contains social media icons for SoundCloud, Bandcamp, Facebook, and YouTube, along with the text "SongKong v5.12 (Melco)".

File Edit View History Bookmarks Tools Help

porcupine:4567/deleteduplicates.go

Delete Duplicate Songs

Basic Advanced

Selected Folder /music/Wav

Preview only

Find duplicates within same audio format only

Song is a duplicate if has same

- Same MusicBrainz song and same album (specific version e.g. same country/date) and sounds the same
- Sounds the same only
- Same MusicBrainz song and same album (specific version e.g. same country/date)
- Same MusicBrainz song only
- Same MusicBrainz song and sounds the same
- Same MusicBrainz song and same album (any version)
- Same MusicBrainz song and same album (any version) and sounds the same
- Same song and same album (metadata only)**
- Same song (metadata only)

When you have duplicate songs

- Delete duplicate**
- Move duplicate to Duplicates folder

Reset Show Help Cancel Start

SoundCloud Bandcamp Facebook YouTube

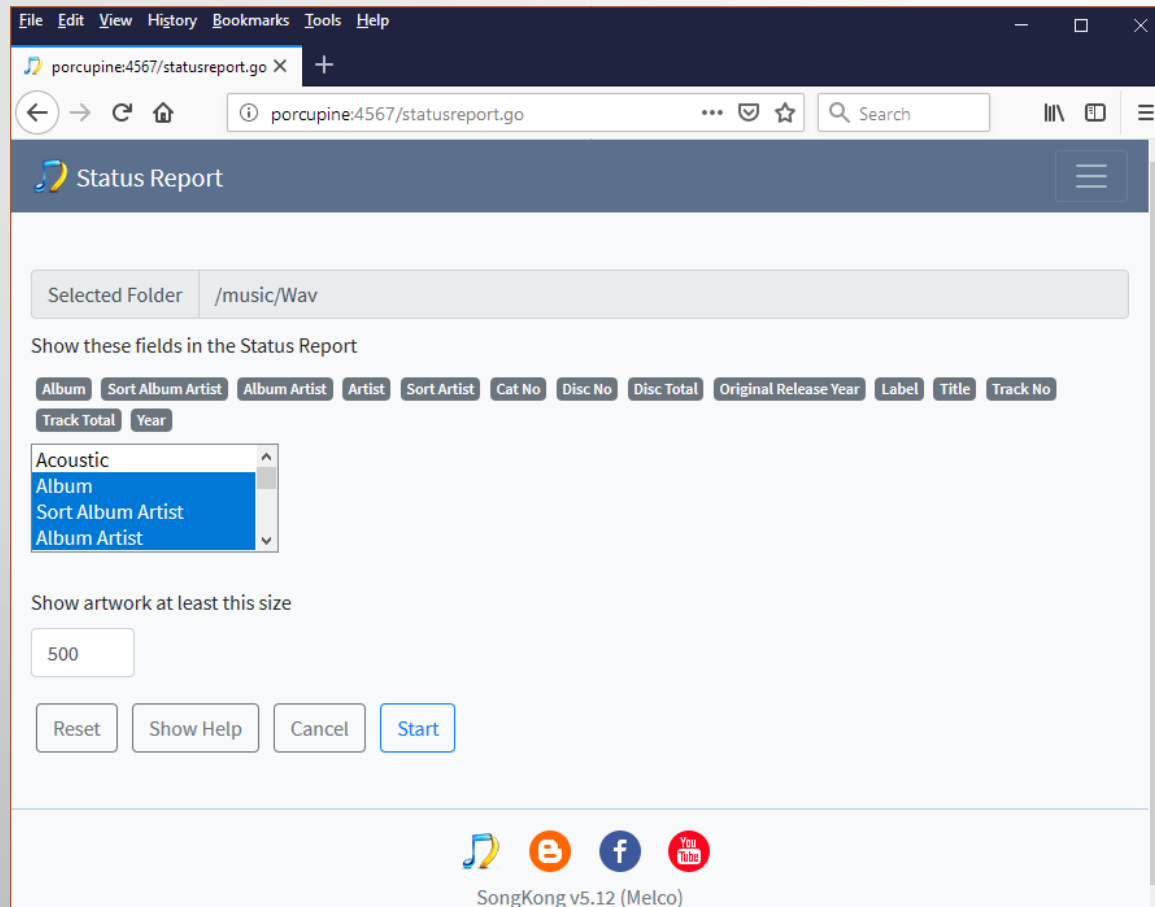
SongKong v5.12 (Melco)

Delete Duplicates – Advanced Options

The screenshot displays the 'Delete Duplicate Songs' web application interface. The browser address bar shows the URL 'porcupine:4567/deleteduplicates.go'. The application has a dark blue header with the title 'Delete Duplicate Songs' and a hamburger menu icon. Below the header, there are two tabs: 'Basic' and 'Advanced', with 'Advanced' currently selected. A 'Selected Folder' field contains the path '/music/Wav'. Under the 'Preferred Deletion Criteria' section, a list of options is shown: 'Bit Depth', 'Audio Format', 'Bitrate', 'Track Length' (highlighted in blue), 'Filename', 'File Creation Date', and 'File Modified Date'. 'Up' and 'Down' buttons are positioned to the right of the list. The 'Preferred Audio Format' section features a dropdown menu with 'dsf', 'aif', 'aiff', and 'wav' options, also accompanied by 'Up' and 'Down' buttons. At the bottom of the main content area, there are four buttons: 'Reset', 'Show Help', 'Cancel', and 'Start'. The footer of the application includes social media icons for YouTube, SoundCloud, Facebook, and YouTube, along with the text 'SongKong v5.12 (Melco)'.

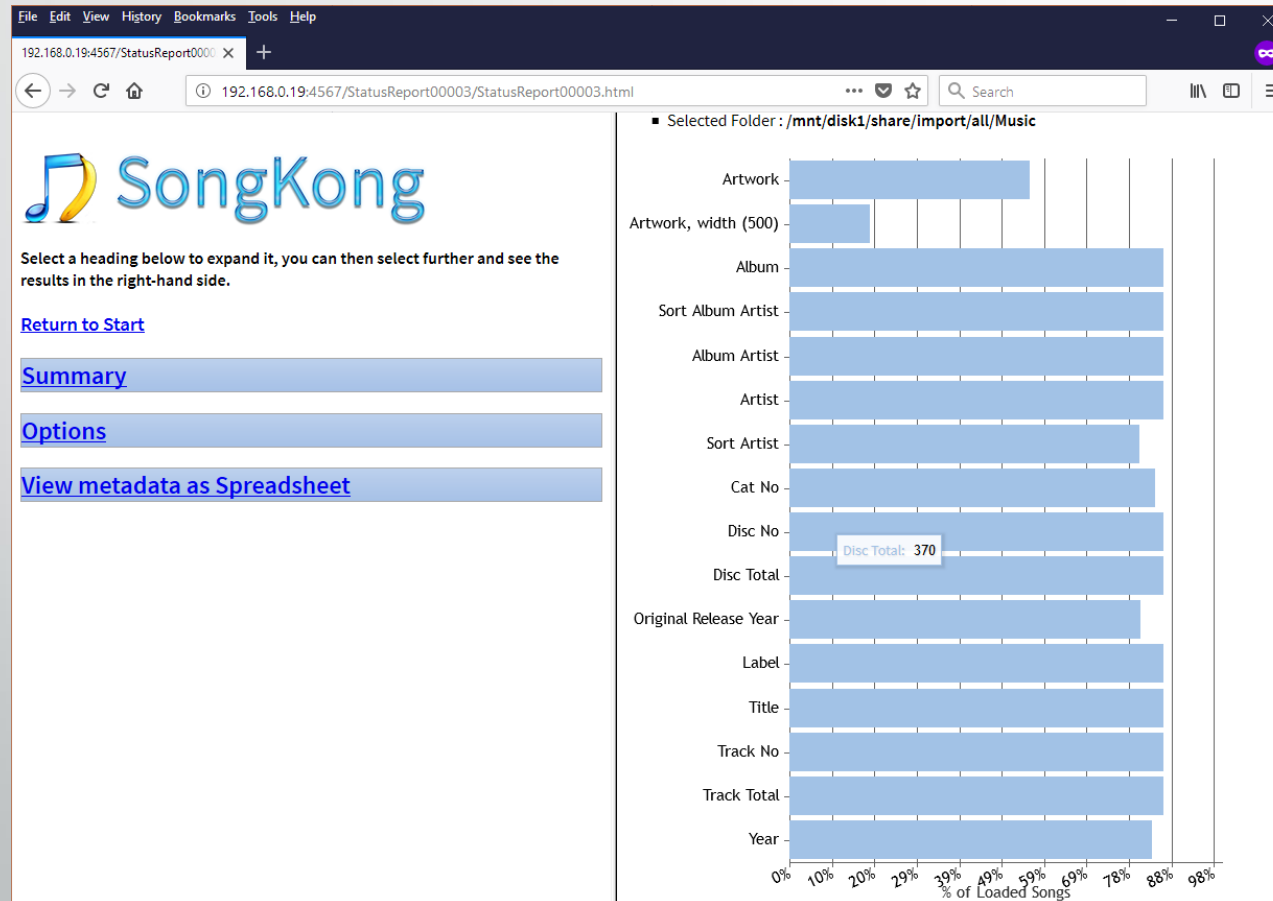
Status Report

Is a very useful tool for taking a snapshot of your music collection



Metadata completeness report of your songs

Can select over 130 different fields to measure



And Create a spreadsheet of **all** your songs existing metadata.

The screenshot shows an Excel spreadsheet titled "FixSongsReport00373_spreadsheet.xlsx". The spreadsheet contains a list of songs with their metadata. The columns are labeled A through G. The data is as follows:

A	B	C	D	E	F	G	H
E:\Melco\TestMusic\TestMusic\WAV\Music\C Dead Inside	01	14	14		Burst Lip	Dead Inside	No.4
E:\Melco\TestMusic\TestMusic\WAV\Music\C Paolo Borciani, Elisa Pegreff, Piero Farulli,	01	01	01		String Quartet in G minor: Animé et très	Claude Debussy, Maurice Ravel; Quartetto Italiano	Ravel; Debussy: Debussy: String Quartet in G minor, op. 10, no. 1
E:\Melco\TestMusic\TestMusic\WAV\Music\C Paolo Borciani, Elisa Pegreff, Piero Farulli,	01	02	02		String Quartet in G minor: Scherzo (Assez vif	Claude Debussy, Maurice Ravel; Quartetto Italiano	Ravel; Debussy: Debussy: String Quartet in G minor, op. 10, no. 2
E:\Melco\TestMusic\TestMusic\WAV\Music\C Paolo Borciani, Elisa Pegreff, Piero Farulli,	01	03	03		String Quartet in G minor: Andantino	Claude Debussy, Maurice Ravel; Quartetto Italiano	Ravel; Debussy: Debussy: String Quartet in G minor, op. 10, no. 3
E:\Melco\TestMusic\TestMusic\WAV\Music\C Paolo Borciani, Elisa Pegreff, Piero Farulli,	01	04	04		String Quartet in G minor: Très modéré - Très	Claude Debussy, Maurice Ravel; Quartetto Italiano	Ravel; Debussy: Debussy: String Quartet in G minor, op. 10, no. 4
E:\Melco\TestMusic\TestMusic\WAV\Music\C Paolo Borciani, Elisa Pegreff, Piero Farulli,	01	05	05		String Quartet in F: Allegro moderato. Très	Claude Debussy, Maurice Ravel; Quartetto Italiano	Ravel; Debussy: Debussy: String Quartet in G minor, op. 10, no. 5
E:\Melco\TestMusic\TestMusic\WAV\Music\C Paolo Borciani, Elisa Pegreff, Piero Farulli,	01	06	06		String Quartet in F: Assez vif. Très rythmé	Claude Debussy, Maurice Ravel; Quartetto Italiano	Ravel; Debussy: Debussy: String Quartet in G minor, op. 10, no. 6
E:\Melco\TestMusic\TestMusic\WAV\Music\C Paolo Borciani, Elisa Pegreff, Piero Farulli,	01	07	07		String Quartet in F: Très lent	Claude Debussy, Maurice Ravel; Quartetto Italiano	Ravel; Debussy: Debussy: String Quartet in G minor, op. 10, no. 7
E:\Melco\TestMusic\TestMusic\WAV\Music\C Paolo Borciani, Elisa Pegreff, Piero Farulli,	01	08	08		String Quartet in F: Vif et agité	Claude Debussy, Maurice Ravel; Quartetto Italiano	Ravel; Debussy: Debussy: String Quartet in G minor, op. 10, no. 8
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	01	01		Let It Go	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	02	02		Another Hit and Run	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	03	03		High 'n' Dry (Saturday Night)	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	04	04		Bringin' On the Heartbreak	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	05	05		Switch 625	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	06	06		You Got Me Runnin'	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	07	07		Lady Strange	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	08	08		On Through the Night	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	09	09		Mirror, Mirror (Look Into My Eyes)	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	10	10		No No No	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	11	11		Bringin' On the Heartbreak (remix)	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Def Leppard	01	12	12		Me & My Wine (remix)	Def Leppard	High 'n' Dry
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	01	01		Not Where It's At	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	02	02		Some Other Sucker's Parade	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	03	03		Won't Make It Better	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	04	04		What I Think She Sees	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	05	05		Medicine	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	06	06		High Times	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	07	07		Mother Nature's Writing	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	08	08		No Family Man	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	09	09		Cruel Light of Day	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	10	10		Funny Way to Win	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	11	11		Through All That Nothing	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	12	12		Life Is Full	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	13	13		Lucky Guy	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Del Amitri	01	14	14		Make It Always Be Too Late	Del Amitri	Some Other Sucker's Parade
E:\Melco\TestMusic\TestMusic\WAV\Music\C Royal Philharmonic Orchestra, Vladimir	01	01	01		Symphony no. 1 in F minor, op. 10: I.	Dmitri Dmitrievich Shostakovich, Royal	Shostakovich: Symphonies nos. 1 & 6
E:\Melco\TestMusic\TestMusic\WAV\Music\C Royal Philharmonic Orchestra, Vladimir	01	02	02		Symphony no. 1 in F minor, op. 10: II. Allegro	Dmitri Dmitrievich Shostakovich, Royal	Shostakovich: Symphonies nos. 1 & 6

Manual Edit

- SongKong is unlikely to match 100% of your music
- And there may be additional data you want to add
- So the ability to manually edit is still required
- SongKong provides an editor in your web browser (and Desktop)
- So you can edit files on headless devices
- Powerful spreadsheet based editing
- Artwork Search

Manual Edit -Artwork

The screenshot shows a web browser window with the URL `porcupine:4567/editsongs.go`. The page title is "Edit Songs Metadata" with "Cancel" and "Save" buttons. The "Artwork" tab is selected, showing a list of tabs: Artwork, Filename, Album, Album Advanced, Disc, Songs, Classical, Classical Advanced, and People. A grey instruction box states: "Any existing artwork for the songs in the folder is listed below. Search for new artwork with the *Artwork Search* button and then drop new artwork from this or any other website onto the *Dropzone*, you can also drag and drop images or upload directly from your desktop. Then select songs that you want to update with this artwork and select *Replace Artwork*. Once you have completed all your editing all modifications are confirmed with the *Save* button."

The "Selected Folder" is `/music/Wav/Music/The Blue Aeroplanes/Tolerance - Bop Art (disc 1 Tolerance)`. Below this, there is a thumbnail of the current artwork (1000 x 1000 JPG) and a placeholder box labeled "New Artwork Displayed Here". A large "Dropzone" box is positioned below the current artwork. At the bottom, there are buttons for "Artwork Search", "Select All", "UnSelect All", "Replace Artwork", and "Browse".

#	Replace	Filename	Album Artist	Album	Track No	Title	Artwork
1	<input type="checkbox"/>	The Blue Aeroplanes - Tolerance - Bop Art (Wav) (disc 1: Tolerance) - 01 - 02 - Journal of an Airman.wav	The Blue Aeroplanes	Tolerance / Bop Art (disc 1: Tolerance)	02	Journal of an Airman	1000 x 1000
2	<input type="checkbox"/>	The Blue Aeroplanes - Tolerance - Bop Art (Wav) (disc 1: Tolerance) - 01 - 05 - 30-	The Blue Aeroplanes	Tolerance / Bop Art (disc 1: Tolerance)	05	30-Love	1000 x 1000

Manual Edit –Album Advanced

Edit the fields to modify your metadata, ',' signifies the field has multiple values and each value will be stored as a separate field, you can use this syntax to create multiple values if required, this is most useful for people fields such as *Conductor* or *Composer*. When you have finished editing the album select *Save* to save your changes.

Selected Folder /music/Wav/Music/The Blue Aeroplanes/Tolerance - Bop Art (disc 1 Tolerance)

Copy Row 1

#	Track No	Track Total	Title	Artist	Sort Artist	Artists	Sort Artists
1	2	10	Journal of an Airman	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
2	5	10	30-Love	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
3	1	10	Arriving	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
4	3	10	Rare Flowers	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
5	7	10	Tolerance	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
6	9	10	When the Wave Comes	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
7	4	10	Warhol's Fifteen	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
8	6	10	Lover & Confidante	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
9	8	10	Ups	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The
10	10	10	Soul	The Blue Aeroplanes	Blue Aeroplanes, The	The Blue Aeroplanes	Blue Aeroplanes, The

SongKong – Review Two

- *Status Report* shows status of existing metadata
- **Delete Duplicate** songs for finding duplicates
- Manual Edit via web browser
- Can be controlled as Desktop app or via Web Browser so no need to copy files to PC to edit



Future Plans

- Add Artists Images
- Extend Artwork sources
- Interactive *Single Album Matcher*, with review stage
- Scripting to allow Tag expressions *e.g. composer = composerSort*
- Extend Matching to include *Album Group* when we can identify the album but the exact album version matching customers songs is not in database
- Artist Matcher, where we can identify artist but not song so we can ensure consistent *Artist* and *Sort Artist* names

Cost

- £25 , with 1 year of version updates
- £35, Pro version with faster processing and acoustic Analysis
- £40, Melco version, with additional Naim file processing
- After one year, an additional year of version updates is £10
- Free email and forum support