

1 Introduction

CatalOgg is application to manage music albums that the user intends to listen to at a later time. This manual describes all the functionality available in the program as well as how to use it.

2 Screens

The interface, depending on the tab selected, consists of 2 or 3 rows of elements. At the top is an always-visible menu bar containing buttons which change the displayed elements (with the exception of the Help button which displays this manual). These are as follows: View, Search, Manage, Add, Stats, Settings, Help. Their operation is described in the following sections. It is the main menu controlling the program. Below this is the toolbar, visible in some tabs, which contains elements for managing the table and its elements. Below is the table, along with information about which display mode the table is in (To Listen - list of albums marked as not listened to, History - albums listened to). In the case of the Add, Stats and Settings screens, only the menu bar is displayed and the corresponding screen below.

2.1 View screen

Default screen visible when the program starts. Displays a table containing a list of releases saved by the user in the appropriate mode. The default is **To Listen** mode, which can be changed in the Manage tab, described later in the chapter. Clicking on a column header sorts the table by values in it in ascending order, clicking again sorts it in descending order. The size of the columns can be changed by clicking and dragging on the line dividing the columns. You can also adjust the width to the column by double-clicking on this line. It is also possible to rearrange the order of the columns. However, these settings are temporary - they are not saved when the program is switched off.

[illegible]

Figure 1: View screen

2.2 Search screen

Selecting this tab displays an additional menu bar above the table that allows you to filter the data. It is possible to apply a maximum of one filter at a time, the use of which is confirmed by pressing the **Apply filters** button. Please keep in mind that the search is case sensitive. The available options are:

- Title - searches only for albums which title contains the specified text,
- Artist - searches for entries for which at least one of the artists contains the specified phrase,
- Genre - narrows the results to only those for which at least one genre contains the searched text in the name,
- Tag - analogous to the above, searches for albums for which at least one tag contains the searched text,
- Language - works on the same principle as the above, the search results are only entries for which the language contains the specified phrase,
- Length - this option requires defining the mode of operation by selecting from the drop-down menu (UNDER - below, OVER - above) and specifying the length of the album in minutes. The search result is, respectively, a set of albums longer or shorter than the specified value,
- Release date - also requires setting two criteria. The first is whether the search should be for the release date before (BEFORE) or after (AFTER) the specified date. The second field allows you to select a date to use as a cutoff point by using the calendar,
- Addition date - works similarly to the option described above, but takes into account the date the album was added to the list rather than the release date,
- Format - allows you to narrow the results to only a specific format by selecting one from the drop-down menu. The list of available formats can be found in the section describing the Add tab,
- Type - displays only releases of a specific type by selecting from the drop-down menu. The available types are described in the section about the Add tab,
- Owned - checking the square next to this option searches only for albums marked as owned, unchecking - only non-owned,
- None - disables filters,

A random selection using the above filters is also available. Pressing the **Random album** button displays information about a randomly selected album that meets the criteria specified in the menu.

The screenshot shows a web interface with a top navigation bar containing tabs: View, Search (active), Manage, Add, Stats, Settings, and Help. Below the tabs is a filter menu with three columns: Search, Manage, and Add. The Search column has radio buttons for Title, Kraftwerk (selected), and Genre. The Manage column has radio buttons for Tag, Language, and a dropdown for UNDER with a [min] input. The Add column has radio buttons for BEFORE (selected), AFTER, and DIGITAL_MEDIA, each with a date input field. To the right of these are radio buttons for ALBUM (selected), Owned, and None. At the bottom right of the filter menu are buttons for 'Random album' and 'Apply filters'. Below the filter menu, it says 'Now showing table: To Listen'. The table has columns: Artist, Title, Genres, Type, Length, Release date, Date added, Tags, Format, and Language. It contains three rows of data for Kraftwerk albums.

	Artist	Title	Genres	Type	Length	Release date	Date added	Tags	Format	Language
1	Kraftwerk	Ralf & Florian	krautrock, progressiv...	ALBUM	PT37M47S	1973-01-01	2024-01-08	instrumental, soothing, calm,...	VINYL	
2	Kraftwerk	Kraftwerk 2	electronic, experime...	ALBUM	PT42M33S	1972-01-01	2024-01-08	instrumental, mechanical, av...	VINYL	
3	Kraftwerk	Kraftwerk	electronic, experime...	ALBUM	PT39M54S	1970-07-01	2024-01-08	instrumental, avant-garde, hy...	VINYL	

Figure 2: Search screen

2.3 Manage screen

A tab displaying a menu for managing data in a table. Using any of the buttons requires selecting a table entry by clicking on it (indicated by being highlighting in blue). The available options in the **Manage data** section are:

- Show details of selected album - Displays detailed information about the selected album without the ability to edit it.
- Mark album as listened to - Marks a given album as listened to without having to entering the editing screen.
- Edit selected album - Allows you to edit the details of the selected album. Changes must be confirmed with the Save changes button, otherwise they will not be saved.
- Delete selected album - Removes the selected album from the database. It is not possible to undo this operation.
- Mark album as NOT listened to - Marks a given album as not listened to.

Change displayed table section contains controls that allow you to switch the table between displaying the list of albums listened to (**Show HISTORTY table**) and not listened to (**Show TO LISTEN table**).

View

Search

Manage

Add

Stats

Settings

Help

Manage data:

Edit selected album

Show details of selected album

Mark album as listened to

Delete selected album

Mark album as NOT listened to

Change displayed table:

Show TO LISTEN table

Show HISTORY table

Now showing table: History

	Artist	Title	Genres	Type	Length	Release date	Date added	Tags	Format	Language
1	King Gizzard & the Lizard Wizard	Omnium Gatherum	electronic, heavy metal,...	ALBUM	PT1H20M11S	2022-04-22	2024-01-07		DIGITAL...	
2	Michał Jan Ciesielski, Immortal Onion	Screens	nu jazz, jazz fusion, yass	ALBUM	PT35M23S	2022-04-18	2024-01-09	existential, noct...	DIGITAL...	

Figure 3: Manage screen

View

Search

Manage


Add

Stats

Settings

Help

Album details:



Owened: false

Listened to: false

Listened date:

Album length: 240:24

DERELICTメガタワー

death's dynamic shroud

Type: ALBUMRelease date: 2014-06-20

vaporwave; ambient; video game music; plunderphonics; bit music; tape music

sampling: atmospheric; surreal; soothing; mysterious; concept album; apocalyptic; mellow; melancholic; lonely;

english

Country: XW

Format: DIGITAL_MEDIA

Addition date: 2024-01-08

Media links

Site name	Link
MusictBrainz	https://musicbrainz.org/release/00351928-5f80-44bf-b294-d5b1ce285509
RYM	https://rateyourmusic.com/release/album/deaths-dynamic-shroud_wmv/derelict%E3%83%A1%E3%82%AC%E3%82%BFE3%
Bandcamp	https://deathsdynamicsshroud.bandcamp.com/album/derelict-3

Track listing

No.	Title	Length
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Notes

Figure 4: Details screen

Site name	Link
MusicBrainz	https://musicbrainz.org/release/17077202-c7ba-4511-86e6-c3d3c13d9555

Figure 5: Edit screen

2.4 Add screen

A tab that allows you to add a new album to the list. The available options for completing the data are downloading from the API or entering everything manually. Downloading data requires the release id from the MusicBrainz website (MBID - MusicBrainz ID) or the title and artist. In the latter case, the data used belongs to the first match found. It is also possible to search only for the cover (**Find cover only**). The album data retrieved from the API (if present) is:

- title,
- one or more artist/performer,
- release type,
- release date - If only the year is specified, the month and day are set as January 1,
- genres,
- country of release (XW means international release, usually applies to digital releases),
- release format,
- link to the album's page on MusicBrainz,
- the album's track list: number, title and length. The total duration is calculated automatically,
- cover art.

For manual input, fields that allow more than one value require input one at a time using fields with a placeholder text starting with "input" and confirmation using the appropriate button. Exceptions to this rule are **genre** and **tag** fields, which can also be filled in by pasting in a list of names separated by a comma, then confirming with the right button. Deleting a specific value is done by entering its position in the list (counted from 1) and confirming with the button. Entering data into tables and deleting is done the same way. The addition date is set to the current day at the time of approval. The type and format of the album is selected via a drop-down menu.

Supported types are: album, single, EP, compilation, soundtrack, mixtape, demo, bootleg (unofficial release), other (used for types not included in the list).


Supported formats: CD, vinyl, digital media, cassette, SACD (Super Audio CD and other high quality CDs), shellac, MiniDisc, reel to reel, other (used for formats not included in the list).

The list of available formats and releases is an abbreviated version of the data that the MusicBrainz service contains, attempting to preserve those that the average user may encounter.

A link to a page or service of your choice can be assigned to any given album, in order to more easily return to it later, for example, to a streaming service of your choice. Clicking on a link added to the table will open the page it leads to in the default browser. Adding a cover manually is possible by clicking the box that says **Album cover**. This causes the system file browser to open allowing you to select a JPG or PNG file to use as the cover. The program also allows you to save additional information about the album in the **Notes field**.

Find on MusicBrainz: Data found!

MBID: Or



☐ Owned

☐ Listened to

US

Format:

Album length: 43:14

Autobahn

Kraftwerk

Input artist: position on the list

Type:

electro; electronic; electropop; experimental electronic; krautrock

Input genre: position on the list

Tag(s)

Input tag: position on the list

Language(s)

Input language: position on the list

Site name	Link
MusicBrainz	https://musicbrainz.org/release/3eeaa6b2-aa3c-444a-8792-b24b41a079c5

Figure 6: Add screen

2.5 Stats screen

A tab that displays the statistics of a user's collection. It is possible to customize the graphs by changing the period to which they apply (last week, month, quarter, year) and for selected charts whether all albums are included, listened to or unlistened. Available statistics are:

- the number of albums listened to and added in a given period by day for the week setting, weeks for month and quarter settings, and months for year,
- albums added/listened to in a given time period divided by the decade in which they were released,
- a pie chart showing the proportion between the number of albums listened to and added,
- charts showing the ten most frequently listed artists, genres and tags,
- 3 pie charts showing the breakdown of the list by format, type and whether the user owns the album.

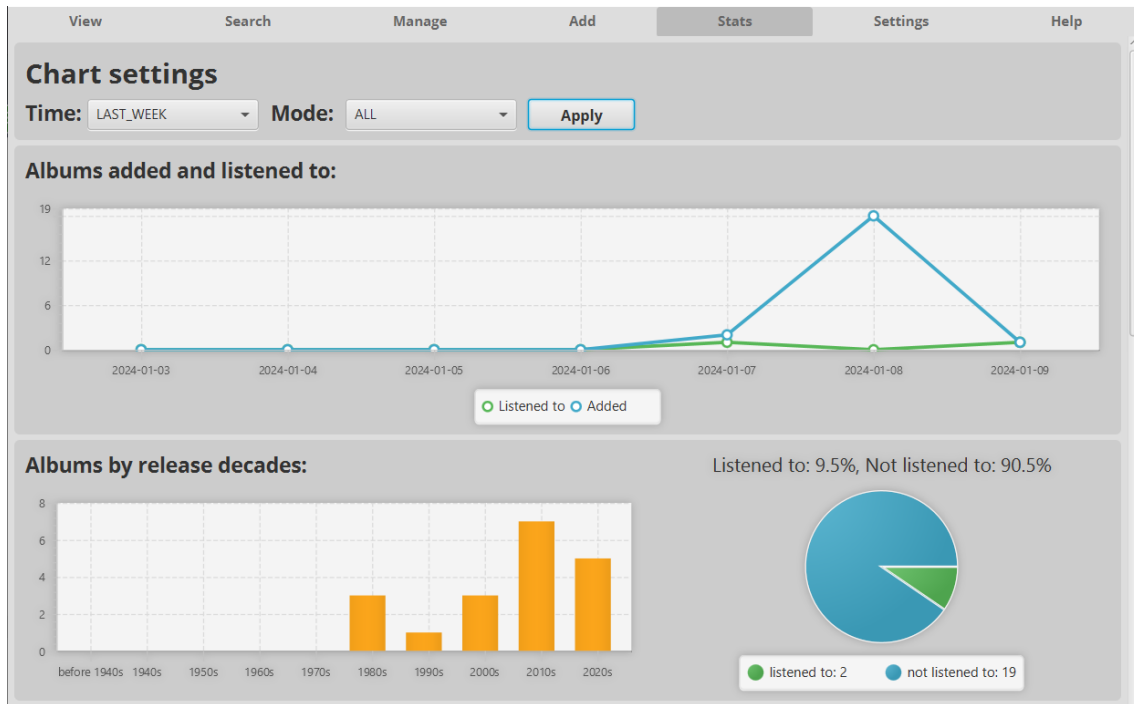


Figure 7: Fragment of the stats screen

2.6 Settings screen

A tab that allows you to change the program's settings. It allows you to change the default way the album table is sorted and whether the application is maximized when launched. It also allows you to open the folder that contains the covers and the folder containing the database. It also allows you to correct the filepaths to the covers in case those contained in the database are not up-to-date due moving the application or the database.



Figure 8: Fragment of the stats screen

2.7 Data transfer

Because of the use of a database stored in a single file, transferring the data between devices involves copying the *database.mv.db* file located in the program's subfolder named *data* and pasting it into the same place on another device. Do the same with the *covers* folder. Then use the path correction option found in the settings tab. This also allows for a simple, albeit manual, backup of the program data.