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# **ytmusicapi**

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The purpose of this library is to automate interactions with [YouTube Music](#), such as retrieving your library content, managing playlists and uploading songs. To achieve this, it emulates web requests that would occur if you performed the same actions in your web browser.

**This project is not supported nor endorsed by Google**



### **Browsing:**

- search (including all filters)
- get artist information and releases (songs, videos, albums, singles)
- get user information (videos, playlists)
- get albums
- get song metadata
- get watch playlists (playlist that appears when you press play in YouTube Music)
- get song lyrics

### **Library management:**

- get library contents: playlists, songs, artists, albums and subscriptions
- add/remove library content: rate songs, albums and playlists, subscribe/unsubscribe artists

### **Playlists:**

- create and delete playlists
- modify playlists: edit metadata, add/move/remove tracks
- get playlist contents

### **Uploads:**

- Upload songs and remove them again
- List uploaded songs, artists and albums



## CHAPTER 2

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### Usage

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```
from ytmusicapi import YTMusic

ytmusic = YTMusic('headers_auth.json')
playlistId = ytmusic.create_playlist('test', 'test description')
search_results = ytmusic.search('Oasis Wonderwall')
ytmusic.add_playlist_items(playlistId, [search_results[0]['videoId']])
```

The [tests](#) are also a great source of usage examples.

To **get started**, read the [setup instructions](#).

For a **complete documentation** of available functions, see the [Reference](#).



## 3.1 Setup

### 3.1.1 Installation

```
pip install ytmusicapi
```

### 3.1.2 Authenticated requests

#### Copy authentication headers

To run authenticated requests you need to set up you need to copy your request headers from a POST request in your browser. To do so, follow these steps:

- Open a new tab
- Open the developer tools (Ctrl-Shift-I) and select the “Network” tab
- Go to <https://music.youtube.com> and ensure you are logged in
- Find an authenticated POST request. The simplest way is to filter by `/browse` using the search bar
- Verify that the request looks like this: **Status** 200, **Method** POST, **Domain** music.youtube.com, **File** browse?  
...
- Copy the request headers (right click > copy > copy request headers)
- Verify that the request looks like this: **Status** 200, **Type** xhr, **Name** browse?...
- Click on the Name of any matching request. In the “Headers” tab, scroll to the section “Request headers” and copy everything starting from “accept: \*/\*” to the end of the section

## Using the headers in your project

To set up your project, open a Python console and call `YTMusic.setup()` with the parameter `filepath=headers_auth.json` and follow the instructions and paste the request headers to the terminal input:

```
from ytmusicapi import YTMusic
YTMusic.setup(filepath=headers_auth.json)
```

If you don't want terminal interaction in your project, you can pass the request headers with the `headers_raw` parameter:

```
from ytmusicapi import YTMusic
YTMusic.setup(filepath=headers_auth.json, headers_raw="<headers copied above>")
```

The function returns a JSON string with the credentials needed for *Usage*. Alternatively, if you passed the `filepath` parameter as described above, a file called `headers_auth.json` will be created in the current directory, which you can pass to `YTMusic()` for authentication.

These credentials remain valid as long as your YTMusic browser session is valid (about 2 years unless you log out).

### 3.1.3 Manual file creation

Alternatively, you can paste the cookie to `headers_auth.json` below and create your own file:

```
{
  "User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:72.0) Gecko/20100101 ↵
↪Firefox/72.0",
  "Accept": "*/*",
  "Accept-Language": "en-US,en;q=0.5",
  "Content-Type": "application/json",
  "X-Goog-AuthUser": "0",
  "x-origin": "https://music.youtube.com",
  "Cookie" : "PASTE_COOKIE"
}
```

## 3.2 Usage

### 3.2.1 Unauthenticated

Unauthenticated requests for retrieving playlist content or searching:

```
from ytmusicapi import YTMusic

ytmusic = YTMusic()
```

If an endpoint requires authentication you will receive an error: Please provide authentication before using this function

### 3.2.2 Authenticated

For authenticated requests you need to set up your credentials first: *Setup*

After you have created the authentication JSON, you can instantiate the class:

```
from ytmusicapi import YTMusic
ytmusic = YTMusic('headers_auth.json')
```

With the `ytmusic` instance you can now perform authenticated requests:

```
playlistId = ytmusic.create_playlist("test", "test description")
search_results = ytmusic.search("Oasis Wonderwall")
ytmusic.add_playlist_items(playlistId, [search_results[0]['videoId']])
```

## Brand accounts

To send requests as a brand account, there is no need to change authentication credentials. Simply provide the ID of the brand account when instantiating `YTMusic`. You can get the ID from <https://myaccount.google.com/> after selecting your brand account ([https://myaccount.google.com/b/21\\_digit\\_number](https://myaccount.google.com/b/21_digit_number)).

Example:

```
from ytmusicapi import YTMusic
ytmusic = YTMusic('headers_auth.json', "101234161234936123473")
```

## 3.3 Reference

Reference for the `YTMusic` class.

**class** `ytmusicapi.YTMusic` (*auth: str = None, user: str = None, proxies: dict = None, language: str = 'en'*)

Allows automated interactions with YouTube Music by emulating the YouTube web client's requests. Permits both authenticated and non-authenticated requests. Authentication header data must be provided on initialization.

`YTMusic.__init__` (*auth: str = None, user: str = None, proxies: dict = None, language: str = 'en'*)

Create a new instance to interact with YouTube Music.

### Parameters

- **auth** – Optional. Provide a string or path to file. Authentication credentials are needed to manage your library. Should be an adjusted version of `headers_auth.json.example` in the project root. See `setup()` for how to fill in the correct credentials. Default: A default header is used without authentication.
- **user** – Optional. Specify a user ID string to use in requests. This is needed if you want to send requests on behalf of a brand account. Otherwise the default account is used. You can retrieve the user ID by going to <https://myaccount.google.com/brandaccounts> and selecting your brand account. The user ID will be in the URL: [https://myaccount.google.com/b/user\\_id/](https://myaccount.google.com/b/user_id/)
- **proxies** – Optional. Proxy configuration in [requests](#) format.
- **language** – Optional. Can be used to change the language of returned data. English will be used by default. Available languages can be checked in the `ytmusicapi/locales` directory.

### 3.3.1 Setup

See also the [Setup](#) page

**classmethod** `YTMusic.setup` (*filepath: str = None, headers\_raw: str = None*) → Dict[KT, VT]

Requests browser headers from the user via command line and returns a string that can be passed to `YTMusic()`

**Parameters**

- **filepath** – Optional filepath to store headers to.
- **headers\_raw** – Optional request headers copied from browser. Otherwise requested from terminal

**Returns** configuration headers string

### 3.3.2 Search

`YTMusic.search` (*query: str, filter: str = None, limit: int = 20, ignore\_spelling: bool = False*) → List[Dict[KT, VT]]

Search YouTube music Returns results within the provided category.

**Parameters**

- **query** – Query string, i.e. ‘Oasis Wonderwall’
- **filter** – Filter for item types. Allowed values: ‘songs’, ‘videos’, ‘albums’, ‘artists’, ‘playlists’, ‘uploads’. Default: Default search, including all types of items.
- **limit** – Number of search results to return Default: 20
- **ignore\_spelling** – Whether to ignore YTM spelling suggestions. If True, the exact search term will be searched for, and will not be corrected. This does not have any effect when the filter is set to ‘uploads’. Default: False, will use YTM’s default behavior of autocorrecting the search.

**Returns**

List of results depending on filter. `resultType` specifies the type of item (important for default search). albums, artists and playlists additionally contain a `browseId`, corresponding to `albumId`, `channelId` and `playlistId` (`browseId`=‘VL’+`playlistId`)

Example list:

```
[
  {
    "videoId": "ZrOKjDZOtkA",
    "title": "Wonderwall (Remastered)",
    "artists": [
      {
        "name": "Oasis",
        "id": "UCmMUZbaYdNH0bEd1PA1AqsA"
      }
    ],
    "album": {
      "name": "(What's The Story) Morning Glory? (Remastered)",
      "id": "MPREb_9nqEki4ZDpp"
    },
    "duration": "4:19",
    "thumbnails": [...],
```

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```

    "resultType": "song"
  }
]

```

### 3.3.3 Browsing

`YTMusic.get_artist(channelId: str) → Dict[KT, VT]`

Get information about an artist and their top releases (songs, albums, singles and videos). The top lists contain pointers for getting the full list of releases. For songs/videos, pass the browseId to `get_playlist()`. For albums/singles, pass browseId and params to `get_artist_albums()`.

**Parameters** `channelId` – channel id of the artist

**Returns** Dictionary with requested information.

Example:

```

{
  "description": "Oasis were ...",
  "views": "1838795605",
  "name": "Oasis",
  "channelId": "UCUDVBtnOQi4c7E8jebpjC9Q",
  "subscribers": "2.3M",
  "subscribed": false,
  "thumbnails": [...],
  "songs": {
    "browseId": "VLPLMpM3Z0118S42RlnpOhcjoakLIv1aqnS1",
    "results": [
      {
        "videoId": "ZrOKjDZOtkA",
        "title": "Wonderwall (Remastered)",
        "thumbnails": [...],
        "artist": "Oasis",
        "album": "(What's The Story) Morning Glory? (Remastered)"
      }
    ]
  },
  "albums": {
    "results": [
      {
        "title": "Familiar To Millions",
        "thumbnails": [...],
        "year": "2018",
        "browseId": "MPREb_AYetWMZunqA"
      }
    ],
    "browseId": "UCmMUZbaYdNH0bEd1PA1AqsA",
    "params": "6gPTAUNwc0JDbndLYlFBQV..."
  },
  "singles": {
    "results": [
      {
        "title": "Stand By Me (Mustique Demo)",
        "thumbnails": [...],
        "year": "2016",
        "browseId": "MPREb_7MPKLhibN5G"
      }
    ]
  }
}

```

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```

    }
  ],
  "browseId": "UCmMUZbaYdNH0bEd1PA1AqsA",
  "params": "6gPTAUNwc0JDbndLY1FBQV..."
},
"videos": {
  "results": [
    {
      "title": "Wonderwall",
      "thumbnails": [...],
      "views": "358M",
      "videoId": "bx1Bh8ZvH84",
      "playlistId": "PLMpM3Z0118S5xuNckw1HUcj1D021AnMEB"
    }
  ],
  "browseId": "VLPLMpM3Z0118S5xuNckw1HUcj1D021AnMEB"
}
}

```

**YTMusic.get\_artist\_albums** (*channelId*: str, *params*: str) → List[Dict[KT, VT]]

Get the full list of an artist's albums or singles

#### Parameters

- **channelId** – channel Id of the artist
- **params** – params obtained by `get_artist()`

**Returns** List of albums or singles

Example:

```

{
  "browseId": "MPREb_0rtvKhqeCY0",
  "artist": "Armin van Buuren",
  "title": "This I Vow (feat. Mila Josef)",
  "thumbnails": [...],
  "type": "EP",
  "year": "2020"
}

```

**YTMusic.get\_user** (*channelId*: str) → Dict[KT, VT]

Retrieve a user's page. A user may own videos or playlists.

**Parameters** **channelId** – channelId of the user

**Returns** Dictionary with information about a user.

Example:

```

{
  "name": "4Tune - No Copyright Music",
  "videos": {
    "browseId": "UC44hbeRoCZVVMVg5z0FfIww",
    "results": [
      {
        "title": "Epic Music Soundtracks 2019",
        "videoId": "bJonJjgS2mM",
        "playlistId": "RDAMVMbJonJjgS2mM",

```

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```

        "thumbnails": [
            {
                "url": "https://i.ytimg.com/vi/bJon...",
                "width": 800,
                "height": 450
            }
        ],
        "views": "19K"
    }
]
},
"playlists": {
    "browseId": "UC44hbeRoCZVVMVg5z0FfIww",
    "results": [
        {
            "title": "Machinimasound | Playlist",
            "playlistId": "PLRm766YvPiO9ZqkBuEzSTt6Bk4eWIr3gB",
            "thumbnails": [
                {
                    "url": "https://i.ytimg.com/vi/...",
                    "width": 400,
                    "height": 225
                }
            ]
        }
    ]
}
],
"params": "6gO3AUNvWU..."
}
}

```

**YTMusic.get\_user\_playlists** (*channelId*: str, *params*: str) → List[Dict[KT, VT]]

Retrieve a list of playlists for a given user. Call this function again with the returned params to get the full list.

#### Parameters

- **channelId** – channelId of the user.
- **params** – params obtained by `get_artist()`

**Returns** List of user playlists.

Example:

```

[
    {
        "browseId": "VLPLkqz3S84Tw-T4WwdS5EAMHegVhWH9vZIx",
        "title": "Top 10 vídeos del momento... hasta el momento! | Vevo Playlist",
        "thumbnails": [
            {
                "url": "https://i.ytimg.com/vi/...",
                "width": 400,
                "height": 225
            }
        ]
    }
]

```

**YTMusic.get\_album** (*browseId*: str) → Dict[KT, VT]

Get information and tracks of an album

**Parameters** `browseId` – browseId of the album, for example returned by `search()`

**Returns** Dictionary with title, description, artist and tracks.

Each track is in the following format:

```
{
  "title": "Seven",
  "trackCount": "7",
  "durationMs": "1439579",
  "playlistId": "OLAK5uy_kGnhwT08mQMGw8fArBowdtlew3DpgUt9c",
  "releaseDate": {
    "year": 2016,
    "month": 10,
    "day": 28
  },
  "description": "Seven is ...",
  "thumbnails": [...],
  "artist": [
    {
      "name": "Martin Garrix",
      "id": "UCqJnSdHjKtfsrHi9aI-9d3g"
    }
  ],
  "tracks": [
    {
      "index": "1",
      "title": "WIEE (feat. Mesto)",
      "artists": "Martin Garrix",
      "videoId": "8xMNeXI9wxI",
      "lengthMs": "203406",
      "likeStatus": "INDIFFERENT"
    }
  ]
}
```

`YTMusic.get_song(videoId: str) → Dict[KT, VT]`

Returns metadata about a song or video.

**Parameters** `videoId` – Video id

**Returns** Dictionary with song metadata.

Example:

```
{
  "videoId": "ZrOKjDZotkA",
  "title": "Wonderwall (Remastered)",
  "lengthSeconds": "259",
  "keywords": [
    "Oasis",
    "(What 's",
    "..."
  ],
  "channelId": "UCmMUZbaYdNH0bEd1PAIAgsA",
  "isOwnerViewing": false,
  "shortDescription": "Provided to YouTube by Ignition...",
  "isCrawlable": true,
  "thumbnail": {
    "thumbnails": [
```

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```

    {
      "url": "https://i.ytimg.com/vi/ZrOKjDZ0tkA/maxresdefault.jpg",
      "width": 1920,
      "height": 1080
    }
  ],
  "averageRating": 4.5673099,
  "allowRatings": true,
  "viewCount": "18136380",
  "author": "Oasis - Topic",
  "isPrivate": false,
  "isUnpluggedCorpus": false,
  "isLiveContent": false,
  "provider": "Ignition",
  "artists": [
    "Oasis"
  ],
  "copyright": "© 2014 Big Brother Recordings ...",
  "production": [
    "Composer: Noel Gallagher",
    "Lyricist: Noel Gallagher",
    "Producer: Owen Morris & Noel Gallagher"
  ],
  "release": "2014-09-29"
  "category": "Music"
}

```

**YTMusic.get\_streaming\_data** (*videoId*: str) → Dict[KT, VT]

Returns the streaming data for a song or video.

**Parameters** *videoId* – Video id

**Returns** Dictionary with song streaming data.

Example:

```

{
  "expiresInSeconds": "21540",
  "formats": [
    {
      "itag": 18,
      "mimeType": "video/mp4; codecs=avc1.42001E, mp4a.40.2",
      "bitrate": 306477,
      "width": 360,
      "height": 360,
      "lastModified": "1574970034520502",
      "contentLength": "9913027",
      "quality": "medium",
      "fps": 25,
      "qualityLabel": "360p",
      "projectionType": "RECTANGULAR",
      "averageBitrate": 306419,
      "audioQuality": "AUDIO_QUALITY_LOW",
      "approxDurationMs": "258809",
      "audioSampleRate": "44100",
      "audioChannels": 2,
      "signatureCipher": "s=..."
    }
  ]
}

```

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```

    }
  ],
  "adaptiveFormats": [
    {
      "itag": 137,
      "mimeType": "video/mp4; codecs=\"avc1.640020\"",
      "bitrate": 312234,
      "width": 1078,
      "height": 1080,
      "initRange": {
        "start": "0",
        "end": "738"
      },
      "indexRange": {
        "start": "739",
        "end": "1382"
      },
      "lastModified": "1574970033536914",
      "contentLength": "5674377",
      "quality": "hd1080",
      "fps": 25,
      "qualityLabel": "1080p",
      "projectionType": "RECTANGULAR",
      "averageBitrate": 175432,
      "approxDurationMs": "258760",
      "signatureCipher": "s=..."
    },
    { ... },
    {
      "itag": 140,
      "mimeType": "audio/mp4; codecs=\"mp4a.40.2\"",
      "bitrate": 131205,
      "initRange": {
        "start": "0",
        "end": "667"
      },
      "indexRange": {
        "start": "668",
        "end": "1011"
      },
      "lastModified": "1574969975805792",
      "contentLength": "4189579",
      "quality": "tiny",
      "projectionType": "RECTANGULAR",
      "averageBitrate": 129521,
      "highReplication": true,
      "audioQuality": "AUDIO_QUALITY_MEDIUM",
      "approxDurationMs": "258773",
      "audioSampleRate": "44100",
      "audioChannels": 2,
      "loudnessDb": 1.1422243,
      "signatureCipher": "s=..."
    },
    { ... }
  ]
}

```

YTMusic.get\_lyrics (browseId: str) → Dict[KT, VT]

Returns lyrics of a song or video.

**Parameters** browseId – Lyrics browse id obtained from get\_watch\_playlist

**Returns** Dictionary with song lyrics.

Example:

```
{
  "lyrics": "Today is gonna be the day\nThat they're gonna throw it back to_\n↪you\n",
  "source": "Source: LyricFind"
}
```

### 3.3.4 Watch

YTMusic.get\_watch\_playlist (videoId: str = None, playlistId: str = None, limit=25, params: str = None) → Dict[List[Dict[KT, VT]], str]

Get a watch list of tracks. This watch playlist appears when you press play on a track in YouTube Music.

Please note that the *INDIFFERENT* likeStatus of tracks returned by this endpoint may be either *INDIFFERENT* or *DISLIKE*, due to ambiguous data returned by YouTube Music.

**Parameters**

- **videoId** – videoId of the played video
- **playlistId** – playlistId of the played playlist or album
- **limit** – minimum number of watch playlist items to return
- **params** – only used internally by get\_watch\_playlist\_shuffle()

**Returns** List of watch playlist items.

Example:

```
{
  "tracks": [
    {
      "title": "Interstellar (Main Theme) - Piano Version",
      "byline": "Patrik Pietschmann • 47M views",
      "length": "4:47",
      "videoId": "4y33h81phKU",
      "playlistId": "RDAMVM4y33h81phKU",
      "thumbnail": [
        {
          "url": "https://i.ytimg.com/vi/4y...",
          "width": 400,
          "height": 225
        }
      ],
      "feedbackTokens": [],
      "likeStatus": "LIKE"
    }, ...
  ],
  "lyrics": "MPLYt_HNNcl00Ddoc-17"
}
```

`YTMusic.get_watch_playlist_shuffle` (*playlistId*: *str* = *None*, *limit*=50) → Dict[List[Dict[KT, VT]], *str*]

Shuffle any playlist

**Parameters**

- **playlistId** – Playlist id
- **limit** – The number of watch playlist items to return

**Returns** A list of watch playlist items (see `get_watch_playlist()`)

### 3.3.5 Library

`YTMusic.get_library_playlists` (*limit*: *int* = 25) → List[Dict[KT, VT]]

Retrieves the playlists in the user's library.

**Parameters** **limit** – Number of playlists to retrieve

**Returns** List of owned playlists.

Each item is in the following format:

```
{
  'playlistId': 'PLQwVilKxHM6rz0fDJVv_OU1XGEWf-bFys',
  'title': 'Playlist title',
  'thumbnails': [...],
  'count': 5
}
```

`YTMusic.get_library_songs` (*limit*: *int* = 25, *validate\_responses*: *bool* = *False*, *order*: *str* = *None*) → List[Dict[KT, VT]]

Gets the songs in the user's library (liked videos are not included). To get liked songs and videos, use `get_liked_songs()`

**Parameters**

- **limit** – Number of songs to retrieve
- **validate\_responses** – Flag indicating if responses from YTM should be validated and retried in case when some songs are missing. Default: *False*
- **order** – Order of songs to return. Allowed values: 'a\_to\_z', 'z\_to\_a', 'recently\_added'. Default: Default order.

**Returns** List of songs. Same format as `get_playlist()`

`YTMusic.get_library_artists` (*limit*: *int* = 25, *order*: *str* = *None*) → List[Dict[KT, VT]]

Gets the artists of the songs in the user's library.

**Parameters**

- **limit** – Number of artists to return
- **order** – Order of artists to return. Allowed values: 'a\_to\_z', 'z\_to\_a', 'recently\_added'. Default: Default order.

**Returns** List of artists.

Each item is in the following format:

```
{
  "browseId": "UCxEqaQWosMHaTih-tgzDqug",
  "artist": "WildVibes",
  "subscribers": "2.91K",
  "thumbnails": [...]
}
```

**YTMusic.get\_library\_albums** (*limit: int = 25, order: str = None*) → List[Dict[KT, VT]]

Gets the albums in the user's library.

#### Parameters

- **limit** – Number of albums to return
- **order** – Order of albums to return. Allowed values: 'a\_to\_z', 'z\_to\_a', 'recently\_added'. Default: Default order.

**Returns** List of albums.

Each item is in the following format:

```
{
  "browseId": "MPREb_G8AiyN7RvFg",
  "title": "Beautiful",
  "type": "Album",
  "thumbnails": [...],
  "artists": {
    "name": "Project 46",
    "id": "UCXFv36m62USAN5rnVct9B4g"
  },
  "year": "2015"
}
```

**YTMusic.get\_liked\_songs** (*limit: int = 100*) → Dict[KT, VT]

Gets playlist items for the 'Liked Songs' playlist

**Parameters** **limit** – How many items to return. Default: 100

**Returns** List of playlistItem dictionaries. See `get_playlist()`

**YTMusic.get\_history** () → List[Dict[KT, VT]]

Gets your play history in reverse chronological order

**Returns** List of playlistItems, see `get_playlist()` The additional property `played` indicates when the playlistItem was played The additional property `feedbackToken` can be used to remove items with `remove_history_items()`

**YTMusic.remove\_history\_items** (*feedbackTokens: List[str]*) → Dict[KT, VT]

Remove an item from the account's history. This method does currently not work with brand accounts

**Parameters** **feedbackTokens** – Token to identify the item to remove, obtained from `get_history()`

**Returns** Full response

**YTMusic.rate\_song** (*videoId: str, rating: str = 'INDIFFERENT'*) → Dict[KT, VT]

Rates a song ("thumbs up"/"thumbs down" interactions on YouTube Music)

#### Parameters

- **videoId** – Video id
- **rating** – One of 'LIKE', 'DISLIKE', 'INDIFFERENT'

'INDIFFERENT' removes the previous rating and assigns no rating

**Returns** Full response

`YTMusic.edit_song_library_status` (*feedbackTokens: List[str] = None*) → Dict[KT, VT]

Adds or removes a song from your library depending on the token provided.

**Parameters** `feedbackTokens` – List of feedbackTokens obtained from authenticated requests to endpoints that return songs (i.e. `get_album()`)

**Returns** Full response

`YTMusic.rate_playlist` (*playlistId: str, rating: str = 'INDIFFERENT'*) → Dict[KT, VT]

Rates a playlist/album (“Add to library”/“Remove from library” interactions on YouTube Music) You can also dislike a playlist/album, which has an effect on your recommendations

**Parameters**

- `playlistId` – Playlist id
- `rating` – One of ‘LIKE’, ‘DISLIKE’, ‘INDIFFERENT’

'INDIFFERENT' removes the playlist/album from the library

**Returns** Full response

`YTMusic.subscribe_artists` (*channelIds: List[str]*) → Dict[KT, VT]

Subscribe to artists. Adds the artists to your library

**Parameters** `channelIds` – Artist channel ids

**Returns** Full response

`YTMusic.unsubscribe_artists` (*channelIds: List[str]*) → Dict[KT, VT]

Unsubscribe from artists. Removes the artists from your library

**Parameters** `channelIds` – Artist channel ids

**Returns** Full response

### 3.3.6 Playlists

`YTMusic.get_playlist` (*playlistId: str, limit: int = 100*) → Dict[KT, VT]

Returns a list of playlist items

**Parameters**

- `playlistId` – Playlist id
- `limit` – How many songs to return. Default: 100

**Returns** Dictionary with information about the playlist. The key `tracks` contains a List of playlistItem dictionaries

Each item is in the following format:



```
{
  "id": "PLQwVilKxHM6qv-o99iX9R85og7IzF9YS_",
  "privacy": "PUBLIC",
  "title": "New EDM This Week 03/13/2020",
  "thumbnails": [...],
  "description": "Weekly r/EDM new release roundup. Created with github.com/
  ↪sigma67/spotifyplaylist_to_gmusic",
  "author": "sigmatic",
  "year": "2020",
  "duration": "6+ hours",
  "trackCount": 237,
  "tracks": [
    {
      "videoId": "bjGppZKiuFE",
      "title": "Lost",
      "artists": [
        {
          "name": "Guest Who",
          "id": "UCkgCRdnnqWnUeIH7Eic3dBg"
        },
        {
          "name": "Kate Wild",
          "id": "UCwR2l3JfJbvB6aq0RnnJfWg"
        }
      ],
      "album": {
        "name": "Lost",
        "id": "MPREb_PxmzvDuqOnC"
      },
      "duration": "2:58",
      "likeStatus": "INDIFFERENT",
      "thumbnails": [...],
      "isAvailable": True,
      "isExplicit": False,
      "feedbackTokens": {
        "add": "AB9zfpJxtvrU...",
        "remove": "AB9zfpKTyZ..."
      }
    }
  ]
}
```

The `setVideoId` is the unique id of this playlist item and needed for moving/removing playlist items

`YTMusic.create_playlist` (*title: str, description: str, privacy\_status: str = 'PRIVATE', video\_ids: List[T] = None, source\_playlist: str = None*) → Union[str, Dict[KT, VT]]  
Creates a new empty playlist and returns its id.

#### Parameters

- **title** – Playlist title
- **description** – Playlist description
- **privacy\_status** – Playlists can be 'PUBLIC', 'PRIVATE', or 'UNLISTED'. Default: 'PRIVATE'
- **video\_ids** – IDs of songs to create the playlist with
- **source\_playlist** – Another playlist whose songs should be added to the new playlist

**Returns** ID of the YouTube playlist or full response if there was an error

`YTMusic.edit_playlist` (*playlistId*: str, *title*: str = None, *description*: str = None, *privacyStatus*: str = None, *moveItem*: Tuple[str, str] = None, *addPlaylistId*: str = None) → Union[str, Dict[KT, VT]]

Edit title, description or privacyStatus of a playlist. You may also move an item within a playlist or append another playlist to this playlist.

**Parameters**

- **playlistId** – Playlist id
- **title** – Optional. New title for the playlist
- **description** – Optional. New description for the playlist
- **privacyStatus** – Optional. New privacy status for the playlist
- **moveItem** – Optional. Move one item before another. Items are specified by `setVideoId`, see `get_playlist()`
- **addPlaylistId** – Optional. Id of another playlist to add to this playlist

**Returns** Status String or full response

`YTMusic.delete_playlist` (*playlistId*: str) → Union[str, Dict[KT, VT]]

Delete a playlist.

**Parameters** **playlistId** – Playlist id

**Returns** Status String or full response

`YTMusic.add_playlist_items` (*playlistId*: str, *videoIds*: List[str], *source\_playlist*: str = None, *duplicates*: bool = False) → Union[str, Dict[KT, VT]]

Add songs to an existing playlist

**Parameters**

- **playlistId** – Playlist id
- **videoIds** – List of Video ids
- **source\_playlist** – Playlist id of a playlist to add to the current playlist (no duplicate check)
- **duplicates** – If True, duplicates will be added. If False, an error will be returned if there are duplicates (no items are added to the playlist)

**Returns** Status String or full response

`YTMusic.remove_playlist_items` (*playlistId*: str, *videos*: List[Dict[KT, VT]]) → Union[str, Dict[KT, VT]]

Remove songs from an existing playlist

**Parameters**

- **playlistId** – Playlist id
- **videos** – List of PlaylistItems, see `get_playlist()`. Must contain `videoId` and `setVideoId`

**Returns** Status String or full response

### 3.3.7 Uploads

`YTMusic.get_library_upload_songs` (*limit*: int = 25, *order*: str = None) → List[Dict[KT, VT]]

Returns a list of uploaded songs

**Parameters**

- **limit** – How many songs to return. Default: 25
- **order** – Order of songs to return. Allowed values: 'a\_to\_z', 'z\_to\_a', 'recently\_added'. Default: Default order.

**Returns** List of uploaded songs.

Each item is in the following format:

```
{
  "entityId": "t_po_CICr2crg7OWpchDpjPjrBA",
  "videoId": "Uise6RPKoek",
  "artist": "Coldplay",
  "title": "A Sky Full Of Stars",
  "album": "Ghost Stories",
  "likeStatus": "LIKE",
  "thumbnails": [...]
}
```

`YTMusic.get_library_upload_artists` (*limit: int = 25, order: str = None*) → List[Dict[KT, VT]]  
Gets the artists of uploaded songs in the user's library.

**Parameters**

- **limit** – Number of artists to return. Default: 25
- **order** – Order of artists to return. Allowed values: 'a\_to\_z', 'z\_to\_a', 'recently\_added'. Default: Default order.

**Returns** List of artists as returned by `get_library_artists()`

`YTMusic.get_library_upload_albums` (*limit: int = 25, order: str = None*) → List[Dict[KT, VT]]  
Gets the albums of uploaded songs in the user's library.

**Parameters**

- **limit** – Number of albums to return. Default: 25
- **order** – Order of albums to return. Allowed values: 'a\_to\_z', 'z\_to\_a', 'recently\_added'. Default: Default order.

**Returns** List of albums as returned by `get_library_albums()`

`YTMusic.get_library_upload_artist` (*browseId: str, limit: int = 25*) → List[Dict[KT, VT]]  
Returns a list of uploaded tracks for the artist.

**Parameters**

- **browseId** – Browse id of the upload artist, i.e. from `get_library_upload_songs()`
- **limit** – Number of songs to return (increments of 25).

**Returns** List of uploaded songs.

Example List:

```
[
  {
    "entityId": "t_po_CICr2crg7OWpchDKwoakAQ",
    "videoId": "Dtffhy8WJgw",
    "title": "Hold Me (Original Mix)",
```

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```

    "artist": [
      {
        "name": "Jakko",
        "id": "FEmusic_library_privately_owned_artist_detaila_po_
↪CICr2crg7OWpchIFamFra28"
      }
    ],
    "album": null,
    "likeStatus": "LIKE",
    "thumbnails": [...]
  }
]

```

`YTMusic.get_library_upload_album(browseId: str) → Dict[KT, VT]`

Get information and tracks of an album associated with uploaded tracks

**Parameters** `browseId` – Browse id of the upload album, i.e. from `get_library_upload_songs()`

**Returns** Dictionary with title, description, artist and tracks.

Example album:

```

{
  "title": "Hard To Stop - Single",
  "thumbnails": [...]
  "year": "2013",
  "trackCount": 1,
  "duration": "4 minutes, 2 seconds",
  "tracks": [
    {
      "entityId": "t_po_CICr2crg7OWpchDN6tnYBw",
      "videoId": "VBQVcjJM7ak",
      "title": "Hard To Stop (Vicetone x Ne-Yo x Daft Punk)",
      "likeStatus": "LIKE"
    }
  ]
}

```

`YTMusic.upload_song(filepath: str) → Union[str, requests.models.Response]`

Uploads a song to YouTube Music

**Parameters** `filepath` – Path to the music file (mp3, m4a, wma, flac or ogg)

**Returns** Status String or full response

`YTMusic.delete_upload_entity(entityId: str) → Union[str, Dict[KT, VT]]`

Deletes a previously uploaded song or album

**Parameters** `entityId` – The entity id of the uploaded song or album, e.g. retrieved from `get_library_upload_songs()`

**Returns** Status String or error

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