

RadioListApp v.1.0

Documentation

Konrad Kędziora

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Introduction

RadioListApp is a desktop radio listening application. To use RadioListApp, you don't need a registered account. Just download the app, turn it on and add any radio station you want. RadioListApp uses url streams that are public and available on the internet. The application supports all url formats.

Installation

1. Download the application from the public repository
<https://github.com/KonradKedziora0/RadioListApp>
2. Extract the downloaded package
3. Install [.Net](#) version at least 5.0(If you already have .Net 5.0 installed then skip this step)
4. Go to radio-main/bin/release/net5.0-windows/
5. Run RadioList-v.1.0.exe

Description of UI and functionality

Full UI

The screenshot shows a window titled "RadioList" with a table of radio stations and a form below it. The table has four columns: Name, Country, Description, and URL. The form includes input fields for Name, Country, and URL, a search button, and several action buttons like Add, Delete, Update, Refresh, Play, and Stop.

Name	Country	Description	URL
Eska Rock	Poland	Na antenie Eski Rock mc	https://waw.ic.smcnd.pl/5380-1.mp3
Eska	Poland	Radio ESKA to stacja mu	https://waw.ic.smcnd.pl/2330-1.mp3
RMF FM	Poland	pierwsza polska prywatn	https://www.rmfon.pl/rmffm.pls
Radio Zet	Poland	polska komercyjna stacj	https://zt.cdn.eurozet.pl/zet-tun.mp3

Form fields and buttons:

- Name:
- Country:
- URL:
- Description:
- Search:
- Buttons: Add (+), Delete (X), Update (U), Refresh (R), Play (P), Stop (S), Clear (C)

Radio listing

The screenshot shows the same "RadioList" window, but with a red box highlighting the table and numbered annotations 1 through 4 pointing to the columns: Name, Country, Description, and URL.

Name 1	Country 2	Description 3	URL 4
Eska	Poland	Radio ESKA to stacja muzyczna z nowościami, hitami i doskonałym klimatem.	https://waw.ic.smcnd.pl/2330-1.mp3
Eska Rock	Poland	Na antenie Eski Rock można usłyszeć przekrój tego gatunku – od "klasyków" ;	https://waw.ic.smcnd.pl/5380-1.mp3
Radio Zet	Poland	polska komercyjna stacja radiowa, należąca do holdingu Eurozet, założona 28	https://zt.cdn.eurozet.pl/zet-tun.mp3
RMF FM	Poland	pierwsza polska prywatna stacja radiowa, obecnie nadająca w formacie radiow	https://www.rmfon.pl/rmffm.pls

1.Name - the column responsible for displaying the name of the radio station

2.Country - the column responsible for displaying the country where the radio station is from.

3.Description - the column responsible for displaying the description of the radio station

4.URL - the column responsible for displaying the URL of the radio station

All columns can be expanded and narrowed.

Add radio station form

The form consists of four input fields stacked vertically: 'Name', 'Country', 'URL', and 'Description'. The 'URL' field has a 'Copy' button to its left. To the right of the 'Description' field are two buttons: 'Play' and 'Stop'. Below these fields is a horizontal row of five buttons: 'Add', 'Delete', 'Update', 'Refresh', and 'Clear'. Each button and input field is marked with a red number from 1 to 11, indicating its function as described in the list below.

- 1.Name - the input responsible for the name of the radio station
- 2.Country - the input responsible for the country where the radio station is from.
- 3.URL - the input responsible for the URL of the radio station. The "copy" button copies the value from this input
- 4.Description - the input responsible for the description of the radio station
- 5.Add - button adds a new radio station
- 6.Delete - button removes the selected station from the radio list
- 7.Update - button updates the selected station from the radio list
- 8.Refresh - button refreshes the radio listing
- 9.Clear - button clears the input fields
- 10.Play - button starts playing the selected station from the radio list
- 11.Stops - button stops playing the selected station from the radio list

Search radio station form

The search form features three radio buttons at the top, labeled 'Name', 'Country', and 'Description'. The 'Name' radio button is selected. Below the radio buttons is a text input field. To the right of the input field is a 'Search' button with a magnifying glass icon.

When you select a given "Name", "Country" or "Description" checkbox, type the value into the input and click search, the radio stations that match the value in the input will be listed.

Error handling

- Adding new stations - it is possible to add an empty or incomplete radio station. This is the expected behavior. Such a record can always be deleted or updated.
- Searching for non-existent stations - the radio list will become empty, but after searching for an empty record or after clicking refresh the list will return to the default state
- Not working URL - if the URL does not work and the user clicks play nothing will happen. Simply the station will not play.