RADIO Player Pro - Manual

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About program

User's guide for
RADIO Player Pro v.2

RADIO Player Pro - a broadcast automation system that handles scheduled playback, retransmission, ad insertion, and failover to backup sources when the primary signal drops.

The software runs unattended: it launches playlists on schedule, detects DTMF cue tones to insert local ad breaks, switches to a backup source on signal loss, and sends current track data to RDS encoders and Shoutcast servers. DSP plugin support for audio processing, native decoding of WAV, MP3, FLAC, OGG, WMA, APE, and AC3.

Features

- **Broadcast scheduling** - each playlist is tied to a date and time; automatic start without operator attendance
- **Program priorities** - news, ads, and music blocks air according to your program clock
- **Retransmission with local ads** - detects DTMF cue tones and inserts local ad blocks automatically
- **Failover without dead air** - switches to a backup source if the primary drops
- **Multiple sound cards** - play to the on-air card and studio monitors simultaneously; accept input from line-in, digital, and stream
- **Auto-jingles and hotkeys** - jingles insert automatically between tracks or on manual trigger
- **Audio processing via DSP** - connect external DSP modules for EQ, compression, and loudness control
- **Formats and tags** - native decoding of WAV, MP3, WMA, FLAC, OGG, APE, and AC3; reads ID3, Ogg, WMA, FLAC tags
- **Event logging** - detailed log of played and skipped files, errors, and system events
- **Password protection and email alerts** - restrict access; receive notifications about status and errors
- **Audio settings** - volume, cue-in, cue-out points; silence detector
- **Playlist import** - supports PowerGold, Digiton, and Trakt formats
- **RDS and Shoutcast** - send track title and artist to an RDS encoder and Shoutcast server

Basics of work

RADIO Player Pro is the main broadcast playout application for radio stations. It plays music and other audio files from playlists, supports multiple audio outputs, crossfading, hot files for instant playback, DSP audio effects, streaming (retransmit), archive recording, and integration with RADIO Rotator Pro for automatic playlist generation.

Prerequisites

Before using RADIO Player Pro, ensure the following are in place:
- RADIO Player Pro is installed on the broadcast computer.
- Audio output devices are connected and configured in the operating system.
- Audio files to be played are available in a local or network folder.
- Optionally: RADIO Base Pro database is set up if you plan to use the music library integration.

Step 1: First Launch and Audio Device Setup

1. Launch RADIO Player Pro.
2. Open **Settings** from the main menu.

3. Go to the **Devices** section and select the audio output device for the main broadcast channel.
4. Optionally configure a second audio output for monitoring (on-air preview).
5. Click **OK** to save the settings.

Step 2: Add Files to the Player Queue

The **Player** tab shows the current playback queue. Files are played from top to bottom in the order listed.
1. Switch to the **Player** tab.
2. Click **Add Files** to add individual audio files, or **Add Folder** to add all files from a directory.
3. Drag and drop files within the list to reorder them if needed.
4. Click **Play** to start playback from the first file in the queue.

Step 3: Create and Schedule Playlists

Playlists allow you to program automatic playback at specific times, days of the week, or dates. They are managed on the **Playlists** tab.
1. Switch to the **Playlists** tab.
2. Click **Add Playlist** to create a new playlist.
3. In the playlist properties window, enter a name and set the playlist type (file list, folder, .pro/.m3u/.pls file, or retransmit).
4. Add the audio files or specify the folder or file path for the playlist content.
5. Enable the **Autostart** option and set the desired start time, stop time, and days of the week.
6. Click **OK** to save. The playlist will appear in the list and activate automatically at the configured time.
To start a playlist immediately without waiting for the scheduled time, right-click it in the **Playlists** list and select **Start Now**.
Playlists can also be imported from RADIO Rotator Pro, RADIO AdsMan Pro, or other scheduling tools. See Import Wizard for details.

Step 4: Configure Hot Files (Jingles)

Hot Files are audio clips assigned to keyboard shortcuts for instant manual playback on air - jingles, station IDs, sound effects, and similar content.
1. Switch to the **Hot Files** tab.
2. Click an empty slot or the **Add** button to assign an audio file to a hot key.
3. Configure the playback behavior (volume, fade, channel) for each hot file.
4. During broadcast, press the assigned key to instantly trigger the clip.

Step 5: Configure Fades and Crossfades

Fades control the volume envelope at the start and end of each file. Crossfades define how two files overlap during a transition.
1. Go to **Settings** and open the **Fades** section.
2. Create fade presets with the desired fade-in and fade-out durations. Assign a color to each preset for easy visual identification in the playlist.
3. Assign a default fade preset to each file type, or override it per file in the individual file properties.
4. To configure transitions between specific file types (for example, music into a jingle), open **Crossfade Settings** and add crossfade rules as needed.

Advanced Features

Once basic playback is working, explore these additional capabilities:
- **Audio Detector (DTMF)** - automatically triggers playlists when a specific audio signal is detected on a relayed station, enabling hands-free ad insertion. Configure samples in Audio Detector Settings.
- **Retransmit** - relay an external audio stream and insert local content (ads, jingles) into the broadcast automatically.

- **Archive Recording** - record the broadcast output to disk for logging or archival purposes. Configure in Archive Settings.
- **Profiles** - run multiple independent Player instances on the same computer for different stations. Manage profiles via the Profile Manager.
- **DSP Effects** - apply real-time audio processing such as equalizer and compressor via DSP Settings.

FAQ

This section answers the most common questions about using RADIO Player Pro.

No sound is coming out - what should I check?

1. Open **Settings** and go to the **Devices** section. Verify that the correct audio output device is selected.
2. Check that the volume fader in the main window is not at zero and that the channel is not muted.
3. Make sure the audio file format is supported (MP3, WAV, OGG, and others). Try playing a different file to isolate the issue.
4. Verify that the Windows audio mixer is not muting or routing the Player output to a different device.

Playback stops after the current file - why?

The **Player** queue is empty. Add more files directly to the Player, or create a scheduled playlist on the **Playlists** tab that continuously fills the queue.

How do I make the Player start automatically when Windows starts?

Open **Settings**, go to **Program**, and enable the option to start the application with Windows. Also enable **Start playback on application launch** so broadcasting begins immediately after startup.

How do I import playlists from RADIO Rotator Pro or RADIO AdsMan Pro?

1. On the **Playlists** tab, click **Import** to open the Import Wizard.
2. Select the source program (Rotator, AdsMan, or a file format such as .pro, .m3u, .pls).
3. Follow the wizard steps to import the playlist schedule.

How do I use the Audio Detector (DTMF) for automated ad insertion?

1. Go to **Settings** and open the Audio Detector section.
2. Create an audio sample that represents the signal broadcast by the relayed station before the ad break.
3. In the playlist properties (for the ad playlist), set the start trigger to **Audio Detector** and select the sample.
4. Enable the retransmit playlist and the audio detector. The Player will monitor the incoming stream and trigger the ad playlist automatically when the sample is detected.

How do I run two radio stations from one computer?

Use the Profile Manager to create a separate profile for each station. Each profile stores an independent set of settings, playlists, and devices. Launch a separate Player instance for each profile.

Where can I find more help?

Visit the online documentation for RADIO Player Pro at the RADIO Player Pro instructions page.
If you cannot find an answer, contact technical support directly. All contact details are available in the Contact Information section.

Retransmit and Reserve Setup

Player can retransmit audio from an external source (line-in, internet stream) and automatically switch to playing local files as a reserve when the signal is lost.

Retransmit Types

Three retransmit types are available on the playlist Retransmit tab:
1. **Audio relay** - captures audio signal from a sound device input (line-in, microphone).
2. **Stream broadcasting** - plays an internet audio stream from a specified URL.
3. **System mixer** - captures system audio output (everything playing in the system).

Configuring Retransmission

To configure retransmission, follow these steps:
1. Open **Settings** - Retransmission.
2. Enable the **Use Retransmitting** checkbox.
3. Set the **Play device** for retransmit audio output.
4. Configure the **Buffer size** if needed.
5. Enable **Autostart retransmitting** for automatic start when the program launches.

Reserve Broadcasting Setup

Reserve broadcasting allows automatic switching to local playlists when the retransmit signal is lost:
1. In the retransmission settings, enable **Reserve broadcasting**.
2. Set the signal loss detection time.
3. When the signal is lost, Player automatically switches to playing local playlists.
4. When the signal returns, Player automatically switches back to retransmission.

Audio Detector (DTMF)

The Audio Detector can detect DTMF signals in the retransmit stream to trigger automatic playlist switches. Configure it in **Settings** - **Retransmission** - Audio Detector.

Internet Broadcasting (Shoutcast/Icecast)

Player can send an audio stream to Shoutcast or Icecast servers for internet broadcasting.

Requirements

Internet broadcasting requires the following:
1. A Shoutcast or Icecast server (external or self-hosted).
2. Server address and connection port.
3. Password for server access.

Shoutcast Integration Setup

To configure the broadcasting server connection, follow these steps:
1. Open **Settings** - **Information** - Shoutcast integration.
2. Enter the server connection parameters: address, port, and password.
3. Select the server type (Shoutcast or Icecast).
4. Configure stream encoding parameters.

Metadata Transmission

Player automatically sends track information (artist, title) to the broadcasting server using information templates. Configure templates in **Settings** - **Information** - Templates.

HTTP Server

Player has a built-in HTTP server for remote monitoring and control:
1. Open **Settings** - HTTP Server.
2. Enable **Enable server**.
3. Set the **Port**.
4. Optionally enable **Authorization** for security.

Using Multiple Radio Stations

Player supports running multiple instances for different radio stations using profiles. Each profile has its own settings, playlists, and configuration.

Profile Manager

1. Open the Profile Manager via the **Tools** - Profile Manager menu.
2. Create a new profile using the **Create** button.
3. Each profile stores its own settings, playlists, and playback history.
4. Switch between profiles from the Profile Manager.

Starting with a Profile

Use the command line parameter /Data=Profile_Folder to start with a specific profile. Create separate shortcuts for different stations with different /Data parameters.
Example: Player.exe /Data=C:\Station1 and Player.exe /Data=C:\Station2.

Audio Device Configuration

Each instance needs its own audio device to avoid conflicts.
1. Go to **Settings** - **Play** - Devices.
2. Set a different **Main device** for each station instance.
3. You can also configure separate devices for **Jingles**, **Headphones**, and **Alternate playback**.

Tips

Use different ports for the HTTP Server in each instance. Configure separate email notification settings per profile. Each profile can have its own hotkey shortcuts.

Importing Playlists from Other Programs

Player can import playlists from other broadcasting software including PowerGold, Digiton, DJinn, and its own format.

Import Wizard

1. Open the Import Wizard via the **File** - Import playlists menu or from the **Playlists** panel.
2. Select the source format: RADIO Player, PowerGold, Digiton, DJinn.
3. Select the source file or directory.
4. Configure import mapping options.
5. Run the import.

Auto Import

Configure automatic import in **Settings** - **Playlists** - Import.
1. **Auto import by time** - imports playlists at scheduled times.
2. **Auto import by directory change** - imports when files in the specified directory change.
3. Set the **Delay** before import starts.
4. Use the command line parameter /Autoimport to trigger import on startup.

Path Autoreplace

Configure path autoreplace in **Settings** - **Playlists** - Import - **Path autoreplace**. This is useful when file paths differ between the source system and Player.
Add rules to automatically replace path prefixes during import. For example, replace "D:\Music\" with "E:\Audio\" if files were moved.

Import Tips

Test the import with a small playlist first. Verify that file paths are correct after import. Use path autoreplace if files are stored in different locations.

Remote Control

Player supports remote control through the built-in HTTP server and command line parameters.

HTTP Server

1. Open Settings - HTTP Server.
2. Enable **Enable server**.
3. Set the **Port** (default or custom port number).
4. Optionally enable **Authorization** and set login/password for security.
5. Access the Player interface from any browser on the network via http://computer-ip:port.
6. Enable **Template processing** for a customizable web interface.

Remote Desktop

Use standard Windows Remote Desktop (RDP) or third-party tools (TeamViewer, AnyDesk) for full remote access.
Player works normally under a remote desktop session.
Ensure the audio device is available in the remote session (you may need to configure RDP audio redirection).

Command Line Parameters

/Data=Folder - specify the profile data folder.
/Autoimport - trigger automatic playlist import on startup.
These can be used in scripts and scheduled tasks for automation.

Email Messages

Configure notifications in Settings - Email Messages.
Set up email notifications for important events.
Configure SMTP settings in **Settings - Email Messages - Email Preferences**.
Receive alerts about playback errors, signal loss, and other events.

Menu

File menu

Start profile manager
Start Profile Manager.

Restart (F11)
Restart the program.

Exit (Alt F4)
Exit the program.

Tools menu

Mini Base (F2)
Opening a Mini-Database for storing files.

Run the Mini Explorer (F3)
The Mini Explorer program starts.

Start Explorer (Shift F3)
Windows Explorer starts.

Update list of current sheets (F5)
Updates lists of pending playlists according to the settings download playlists.
The statuses of current pending playlists are not reset.
At the command **Shift+F5** all current playlists are deleted and downloaded again, the statuses of all playlists will be reset, repeated launches of recent playlists are possible.

Import playlists (F6)
Start Import playlists.

Auto-import playlists (Shift + F6)
Start auto import playlists

Compact View (F7)
Display only the playback bar without displaying the bottom panels.

Jingle start window (F8)
A window for launching jingles opens from which you can start them.

Settings (F9)
Window Program settings.

Help menu

Contents (Shift+F1)
Running the RADIO Player Pro help system.

Startup settings
Help section Startup settings.

FAQ
Help section FAQ.

About the program menu

Homepage
Opens the home page online **the Internet**.

Support page
Opens page support on the Internet.

Send - Email
Use this item to receive help by e-mail.

Activation request
Displays a window with the form of the registration form required for registering the program.

Load registration key
Use this option if you want to download the registration key.

License Information
Information on the acquisition of a license.

What's new?
The window of the list of major changes in the program by version.

Check for updates
If you have access to the Internet, the program will inform you if there is a newer version on the official website.

Version
Displays a window with information about the purchased license and information about the version of the program.

Panels

Player

Play line

All files intended for the current playback are displayed in the current file queue in the order in which they will be played. When you change the order of files in the list, the order of their playback will also be changed.
More information about editing the file list in the section List of files.

Next file

Display the name and duration of the next file in the playback queue.

Over file

Display the name and duration of the file over the air.

Autojingles

Displays the name of the current auto-jingle playlist.

Retransmission

Displays the name of the current relay playlist.

Playlists

Displaying the name of current playlists that are waiting to be played, falling into the download period, which can be set in the section Settings - Program operation mode.

Playlists

Playlists

The section serves to display and edit playlists, as well as to start them manually.
Learn more about editing the playlist list in the List of playlists.

Files

The section serves for displaying and editing lists of files from playlists.
More information about editing the file list in the section list of files.

Between the lists there are additional buttons to simplify editing the list of files in the playlists.



Save files to a new playlist and show properties window
Allows you to create and then modify a new playlist containing this list of files.



Save files to the selected playlist
Allows you to replace the list of files in the selected playlist with the list of files on the right, without displaying the playlist properties window.

Automatically save changes
When the option is turned on, all changes on the right are automatically saved in the selected playlist on the left.

Jingles

The Jingle tab is used to display and edit jingles.

Jingles assigned to certain keys are played by pressing the corresponding button on the keyboard. Jingle playback settings are located in the Settings - Jingle.

Lists

Add list
Adding a list.

Delete list
Delete the selected list.

Edit list
Change the name of the selected list.

Move down
Moving the selected list to the bottom position.

Move up
Moving the selected list to the top position.

Jingles

Add jingle
Adding a jingle. Opened jingle property window.

Delete jingle
Remove the jingle from the list.

Clear list
Clearing the list of jingles.

Edit Jingle
Editing the properties of the jingle. Opened jingle property window.

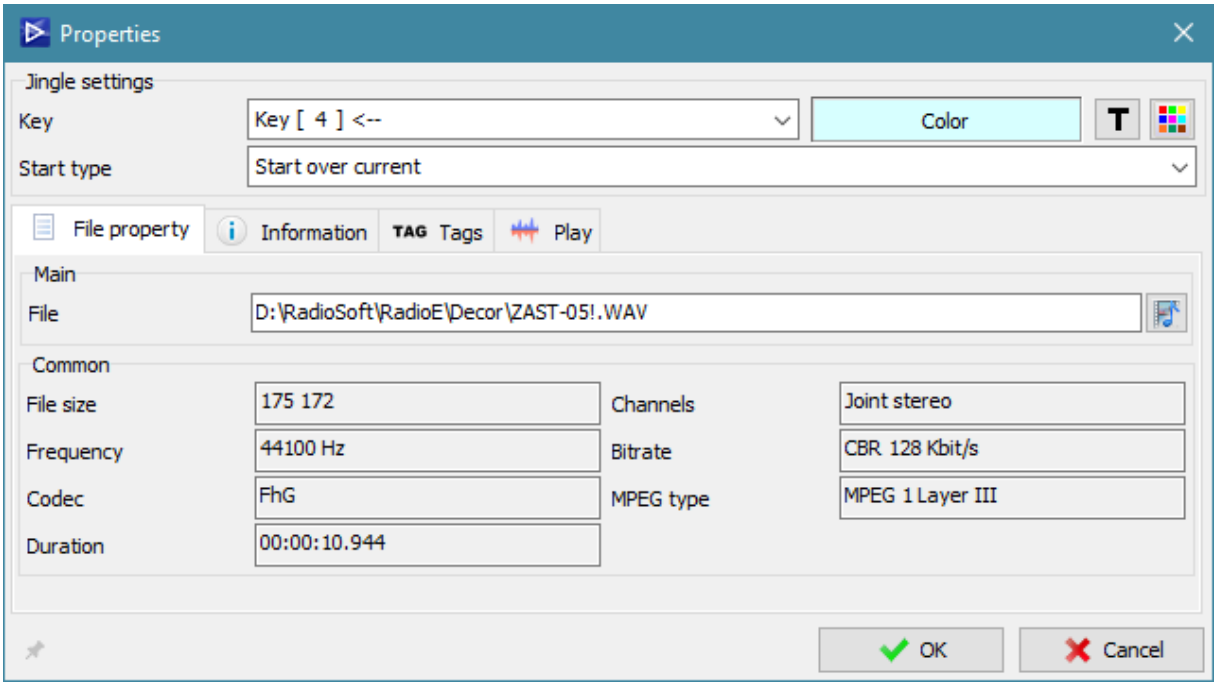
Headphones
Listening to the selected jingle.

Start jingle

Running the selected jingle with its settings.

Jingles start window
Display the start window for jingles.

Jingle Properties



Abc **Key**
Assign a key to start the jingle.

Start type
Determination of the starting method:

Color
Background color and jingle font when displayed in the list

File property
Changeable for all file properties.

Archive

The Archive tab is used to display lists of played, unplayed files, and program events.
To create print reports you can use the free utility RADIO Reporter Pro, which can be downloaded from our website.

Settings

The settings window is intended for changing program settings.
To get help on the settings section of interest, select it in the help topic tree.

Program

☑ **Launch program on Windows startup**
Startup of the program when the operating system is started.

☑ **No confirmations on exit**
With the option enabled, when you exit the program, the confirmation window will not be displayed.

☑ **Minimize on close**
When the program is closed through the "cross" icon of the window, the program will collapse.
To close, use the "File" menu

☑ **Automatically check for program updates**
With the option enabled, the program monitors the release of new versions.

View as

◉ **In the form of a button on the taskbar**
The program minimizes the window will be minimized into a standard button.

◉ **In the form of an icon next to the clock**
The program minimizes the window will be minimized in the icon next to the clock.

☑ **Minimize on startup**
Launch the program in a minimized state (to the system tray or taskbar).

Explorer start folder
Specify the path to open the explorer.

Debug

☑ **Enable debugging**
Enabling the debug information entry for technical support in the Debug directory.

View

Station name
On/Off display of the name of the radio station on the central panel of the main program window.

Header text
Change the text of the program title. When you type text, replace the title with the one you typed.
You can use it to not confuse several running programs.

☑ **Show current state and file**
On/Off displays the file name and playback status in the program title.

☑ **Player**
Show the "Player" tab in the main program window.

☑ **Playlists**
Show the "Playlists" tab in the main program window.

☑ **Jingles**
Show the "Jingles" tab in the main program window.

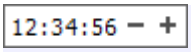
☑ **Archive**
Show the "Archive" tab in the main program window.

☑ **List headers**
Show column headers in the file lists of the player, playlists, and archive.

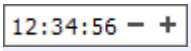
☑ **Status bar in player**
Show the status bar (information line) at the bottom of the "Player" tab.

☑ **Files panel in playlists**
Show the file list panel at the bottom of the "Playlists" tab.

Time accuracy



View
The accuracy of time for displaying in lists and information fields. The calculations use only exact values ? without rounding.



Edit
Time accuracy for display in the time entry fields.

Time bar

☑ **Show estimated time panel**
Displays the countdown to the specified time.
Set the time by clicking on the panel to the left of the program clock bar.

☑ **Show Second Time Panel**
Displays an additional time panel.



Signature main
Signature to the main time



Basic displacement (hour)
Time offset in hours from the main



Signed second
Signature for additional time



Second offset (hour)
Hour offset for the second time zone displayed next to the main time.

Additional

File lists

☑ **Select files added to file lists**
If you enable the selection, the files added to the file lists will be highlighted.

☑ **Append files to the list end on Drag'n'Drop operations**
When the option is enabled, the files in the file lists when dragged (Drag'n'Drop) from an external program (for example, the explorer) will be added to the end of the list. With the option disabled, the place of the list where the mouse button was released.

☑ **Use cart when deleting files**
On/Off using the Windows Recycle Bin to delete files from the Player.

Player

☑ **Changing play position by single click**
When you turn on the option to change the position of the current file, you can single click on the diagram, with the option disabled, the position changes by double-clicking

☑ **When you save a list of files**
On/Off saving the current file queue when exiting the program.
The saved files will be restored the next time you start the program.

☑ **Highlight current playing file**
On/Off the highlighting of the current file in Player.

☑ **Select next file after stop**
On/Off selection next to the current file in the Player after the playback is stopped.

☑ **Don't show PAUSE window after stop-pause mark**
On/Off displays the "PAUSE" window for files labeled Stop-Pause.

☑ **Preserve unbreakable file group when starting playlists and jingles**
With the option enabled, files marked as inseparable will be played to the end, regardless of the way the playlist is started.

☑ **Pause if file contains announcer's text only**
If the music file for the speaker is not specified, then the narration will be displayed and the playback will be paused

☑ **Use playlist start time for playback start time display**
Use the playlist start time for displaying the start time during playback.

Auto delete of played files

☑ **Delete files from current line on playlist start if status is "STOP"**
When the playlist starts, if playback is stopped, all files will be deleted from the player.

☑ **Autodelete played files**
On/Off the auto-delete mode after playing back Player.

☑ **Delete the lost files from the disc (ATTENTION !!!)**
On/Off mode for auto-delete the files from the DISC after playback.
ATTENTION!!! If you delete without using the Recycle Bin, you will not be able to restore the file!

Abc **Number of played files before deletion**
The number of played files that remain accessible before being automatically deleted from the player.

Hotkeys

Setting shortcuts to the main functions of the program allows you to set hot keys to the main playback control buttons.

☑ **Global hotkeys**
Buttons work with the inactive program window.

☑ **Use with Win key**
Buttons work only in conjunction with the Win key.

Keys

- Launch the nearest playlist;
- Start playback;
- Pause/continue;
- Stop playing (Sharply);
- Stop playing (Smoothly);
- Skip to the previous song;
- Skip to the next song;
- Go to another file type;
- Stop the file sounding on top.

Abc **Launch nearest playlist by time**
Hotkey for launching playback accounting for the playlist start time.

Abc **Start playback**
Hotkey for starting playback of the current file.

Abc **Pause / Resume**
Hotkey for pausing playback.

Abc **Stop playback (hard stop)**
Hotkey for stopping playback immediately.

Abc **Stop playback (fade out)**
Hotkey for stopping with a smooth fade-out.

Abc **Previous file**
Hotkey for jumping to the previous file in the list.

Abc **Next file**
Hotkey for jumping to the next file in the list.

Abc **Next playlist**
Hotkey for moving to the next playlist.

Abc **Stop overlay file**
Hotkey for stopping playback of a liner (file playing over the air).

Debug

The debugging mode is designed to obtain additional information on an error that has occurred for sending to the developer.
It is not recommended to enable debugging in normal operation mode.

If an error occurs, the program will offer to enable debugging in settings and an additional option if necessary.

☑ **Enable debugging**
On/Off display of debugging information in error windows.

☑ **Debug timers**
Enabling debugging for timer procedures

☑ **Debug threads**
Enabling debugging for procedures running on threads

☑ **Restore debugging options on application restart**
If the parameter is disabled, then after restarting the program the debugging mode will be turned off

Command line options

Three options are supported for launching an application with debugging enabled.
/Debug - Enable debugging
/DebugTimers - Enable debug timers.
/DebugThreads - Enable thread debugging.

Example: Application.exe /Debug

Play

File types
Specify the types of files through the semicolon, which will be defined by the program as musical or text. Other types will not be added to playlists.
The list of extensions by default:

For music: *.aac;*.ac3;*.aiff;*.ape;*.flac;*.mp3;*.ogg;*.wav;*.wma
For text: *.txt;*.doc;*.rtf

Use DirectShow codecs to play the following file types
Specifies the file types to be separated by a semicolon, which will be played only through DirectShow codecs installed in the system, other types supported by the program will be played by the built-in player. If you specify *.* then all files will be played using DirectShow codecs only.

Play

Record buffer length (sec)
Specifies the size of the playback buffer in seconds.
As the size increases, the file starts to run slower and stability improves. But not in all cases.

Priority (1-7).
Priority of playback: 1 - the lowest, 7 - the highest.

Configure the processors.
The ability to select the processors that the program will use.

☑ **Use DirectX to play files**
For playback, only installed DirectShow codecs will be used instead of the built-in player.
If you turn off the option, you will use the built-in player, which does not require the installation of codecs.

Devices

Main
Used to play back files from Player.

Liners (Over files)
Used to play jingles whose startup properties are set to "Run Over".

Headphones
Used to play files when the Eavesdrop window is started.

☑ **Alternate playback on two devices.**
On/Off playback of files on two devices with alternate playback on the main and additional devices.
The first file will be played on the first device, the second on the second, the third again on the first, and so on.

Secondary
Used as an optional device for playing files from Player when the mode of operation is enabled for two devices.

Preload

Current playlists

123 − + **Load period (min)**
Indicates the length of the period in minutes, which will load the waiting playlists, counting from the moment the download was started.
Setting a large value will increase the number of pending playlists. A value lower than the refresh rate can lead to problems loading current playlists.

123 − + **Reload time (min)**
The time at which new play-waiting playlists will be downloaded to the list.

Preload before play



Playlists (sec)
The time for which the next playlist will be uploaded to Player.



Files (sec)
The time for which the next file will be uploaded to the player. This will shorten the time to start it.

Plugins

The program supports audio processing using several audio processing libraries, as well as separate sound processing for both its own and the relayed air.
If one plug-in is used for ether processing and retransmission, during its broadcast the processing of retransmission by the plugin is terminated.
The same plugin can be added only once.

DSP Plug-in-s folder
Specify the folder where the Winamp plug-ins are located.
For example, c:\Program Files (x86)\Winamp\Plugins

Disable all plugins
Turn off sound processing by all plug-ins

List of plugins
For processing, plugins are used sequentially from top to bottom, i.e.

Add Plugin
Allows you to add a new plugin to the list. Sound Processing Plugin Properties Window.

Uninstall plugin
Removing the selected plugins

Plugin properties
Allows you to change the properties of the plugin. Sound Processing Plugin Properties Window.

Plug-in settings
The plugin settings window is displayed, if supported by the plugin.

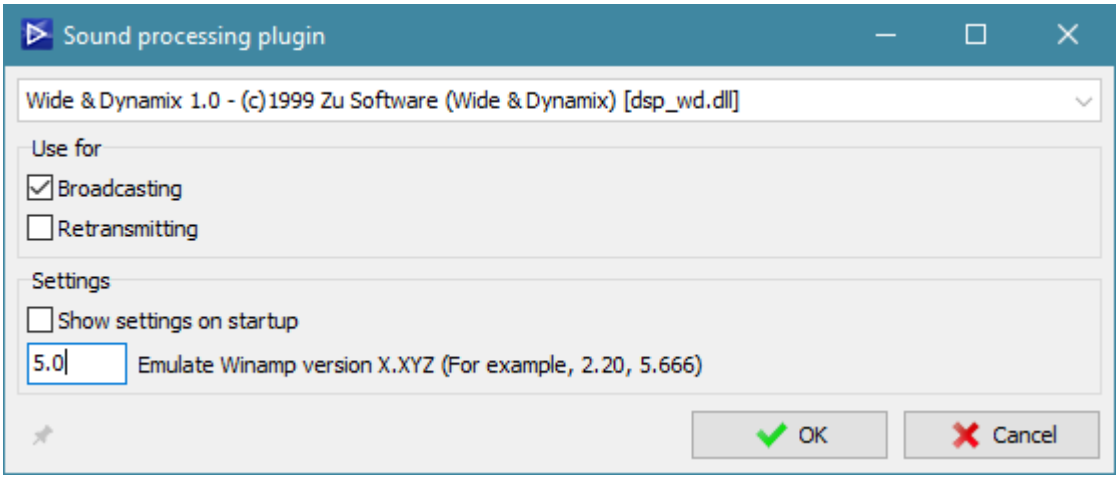
Move the card down
Move the plugin below.

Move the card up
Move the plugin above.

Restart all plug-ins
The work of all the plug-ins will be completed and the plug-ins will be launched again.

Close all DSP plugins
The work of all the plug-ins will be completed

Sound processing plugin



Configuring plugin parameters for sound processing.

Use for

Broadcasting
Plugin processing your ether

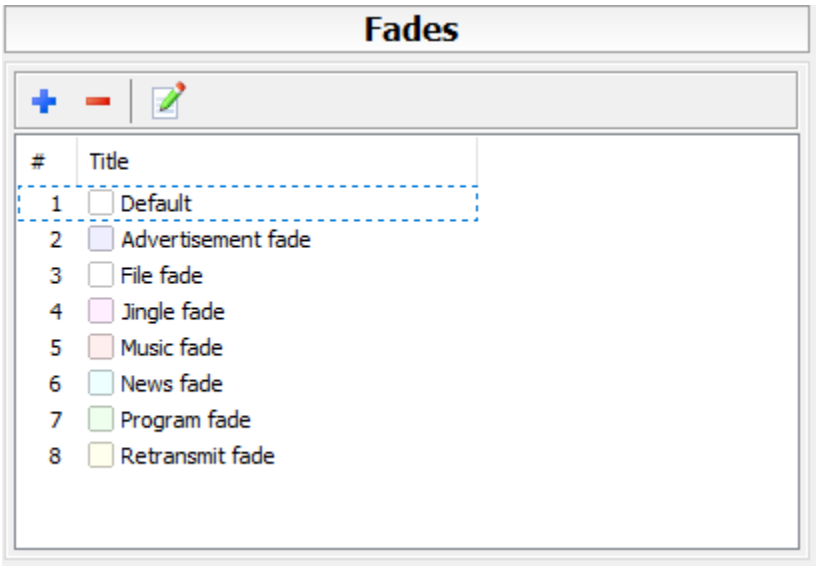
Retransmitting
Plug-in relay processing

Settings

Show settings on startup
When you run the plug-in, the configuration window is automatically displayed.
Some plugins for work require the display of the settings window.

Abc **Emulate Winamp version X.XYZ (For example, 2.20, 5.666)**
Some plugins for work will check the version of Winamp for work.

Fades



Add type
Allows you to create a new fade type and specify the appropriate settings for it. Opened properties window of type.

Remove type
Deletes the selected fade types. In addition to the "Default" type.

Type properties
Allows you to change the properties of a type. Opened properties window of type.

Fades list
List of fade settings. Each fade defines the parameters for audio fade-in and fade-out.

Background color
Allow the use of an individual background color for fades in the list.

Ignore mix start mark for initial fade
Ignore the "Mix start" mark for the initial fade when personal fade settings are applied.

Crossfades

Crossfades designed to correct fades between file types or types of fades.
The settings are used when, during playback, the files of the two types specified in the crossfade settings appear.

Crossfades by file type
List of crossfade settings associated with file types.

Crossfades by fade type
List of crossfade settings associated with fade types.

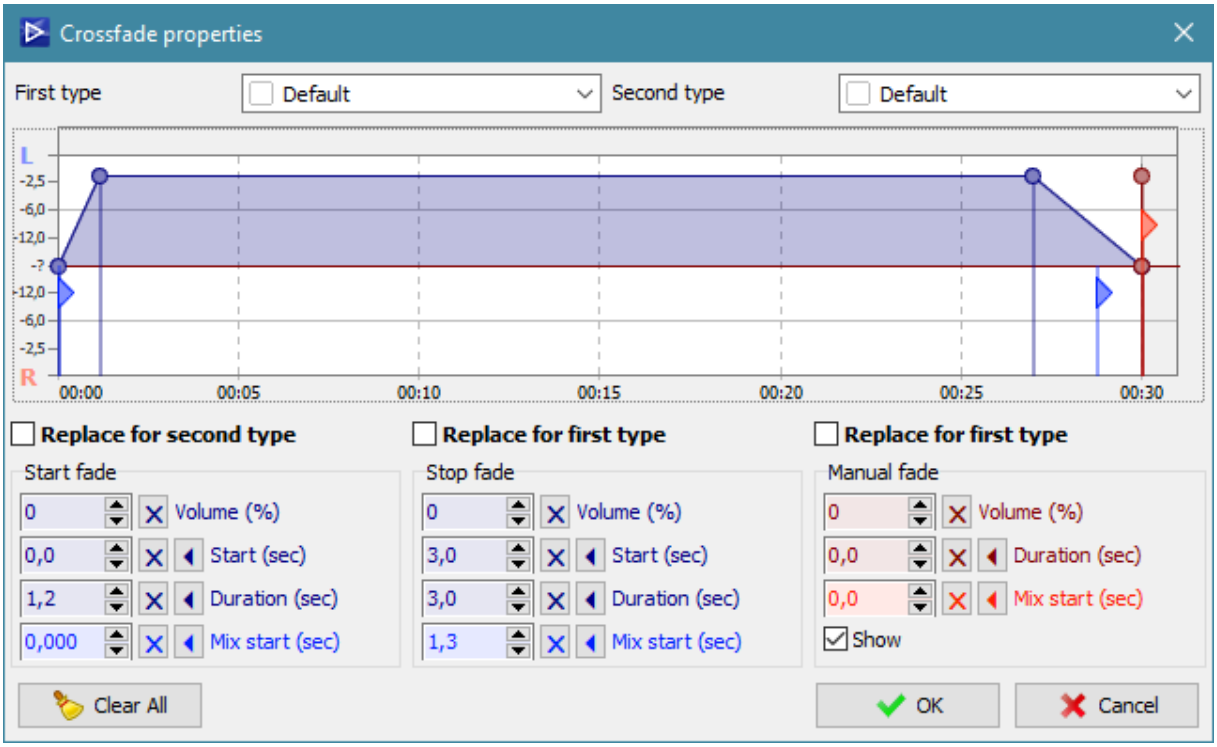
Add crossfade
Allows you to create a new type of crossfade and specify the appropriate settings for it. Opened crossfade properties window.

Delete crossfade
Deletes the selected crossfades.

Remove all
Removes all crossfades.

Crossfade properties
Allows you to change the crossfade properties. Opened crossfade properties window.

Crossfade properties



For setting, the types of the first (playing) and the second (next) files are indicated.
The conditions for replacing the fades when the files of the specified types are specified are specified.

Replace for second type

Start fade
The initial fade value of the first file will be replaced with the specified ones.

Replace for first type

Stop fade

The final fade value of the first file will be replaced by the specified ones.

☑ **Manual fade**
The values of the forced fade of the first file will be replaced by the specified ones.

Tags

☑ **Use time from file name [HH: MM: SS]**
With the setting enabled, it is possible to determine the time of the file from its name. Time must be added in the format [HH: MM: SS].
Example: "Song [00:03:45]. mp3"

File added to list

☑ **Load file info (time, bitrate etc.)**
When you add files to the list from the disc, it will automatically determine its characteristics and playing time.

☑ **Load tags**
When you add files from the disk to the list, it will automatically load information from the file tag.

☑ **Load WaveForm**
When you add files from the disk to the file list, the wave chart will automatically be loaded.
The operation is resource intensive, so before switching on make sure that such actions do not affect the sound and operation of the program.

☑ **Automatically set start and end fades**
When you add files from the disc to the list, the start and end will be automatically determined according to the settings of the silence detector in fade properties.

File played

☑ **Load file parameters (on play)**
Load file parameters (duration, bitrate, etc.) when playback starts.

☑ **Load tags (on play)**
Load file tags when playback starts.

☑ **Load WaveForm**
When you play the files, the wave chart will be automatically loaded and displayed.
The operation is resource intensive, so before switching on make sure that such actions do not affect the sound and operation of the program.

☑ **Detect sound boundaries by silence (on play)**
Detect sound start and end by silence (TrimFade) when playback starts.

Tags (ID3, etc.)

☑ **Use file information**
Allows you to use data about a musical work (Artist, Title, Album, etc.) stored in the tag.

☑ **Use fade settings**
Allows you to use the fade settings stored in the file tags.

You can save the settings from the file properties window. The settings are stored in the format for RADIO Player Pro.

☑ Preserve file creation time when saving tags
When you change tags from the file properties window, the file creation date will not be changed.

☑ Cache waveforms on disk (saves memory)
When enabled, waveforms are stored in a disk cache instead of RAM, which reduces the program's memory usage. Unused cache entries are automatically removed after 24 hours.

Music bases

Connecting to music databases allows you to automatically download various file settings when adding them to the list.

Load information from music databases
Specify the sources from which the data download will be available.

Connection setup
Connecting to RADIO Base Pro allows you to automatically download various file settings from the database when adding them to the list.
Select the RADIO Base Pro database from the list.
To configure the connection from MySQL, click "Configure MySQL" and enter the connection parameters to MySQL.

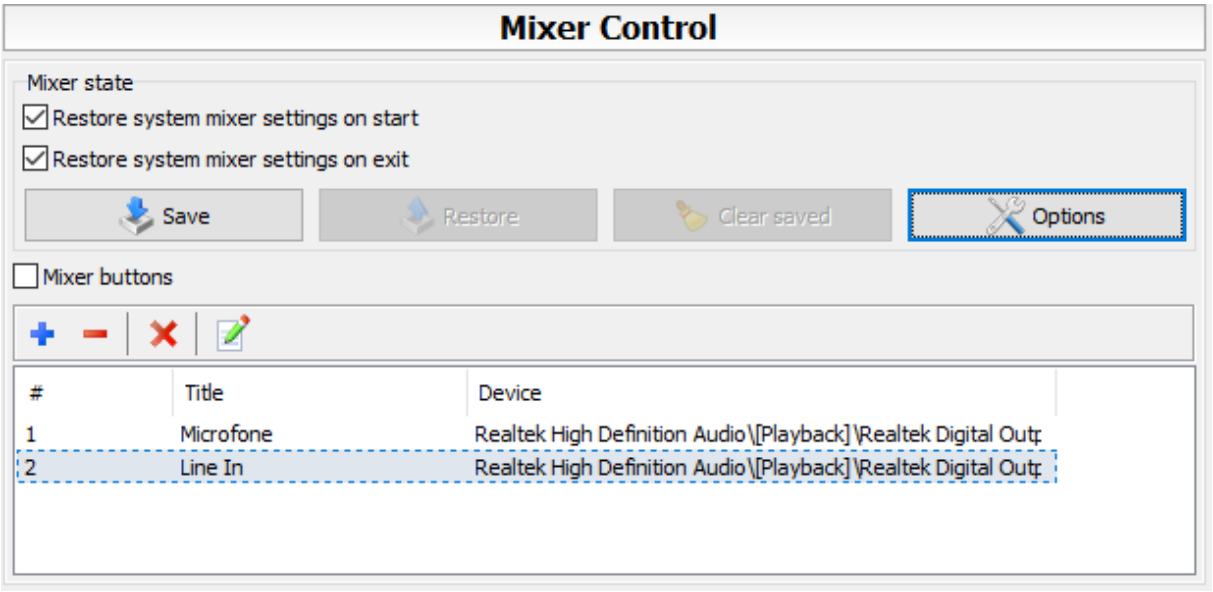
☑ Use file information
Allows you to use data about a musical work (Artist, Title, Album, etc.) stored in the database.

☑ Use fade settings
Allows you to load fade settings from the database.

☑ Do not change personal fade settings
When the setting is enabled, the fade data will be loaded from the base only if the file in the playlist does not have a Personal Fade set.

☑ Search by full file path
The data will be loaded only if there is a file in the database with the exact full path.
If the option is disabled, the search will go first along the full path, then, if the file is not found, then by the filename without the directory.

Mixer Control



Restore system mixer settings on start
On/Off restores the settings of the system mixer when the program is started.

Save
Save the current state of the system mixer as the reference state to be restored on startup.

Restore
Restore the previously saved state of the system mixer (applied on startup).

Clear saved state
Clear the saved mixer state used for restoration on startup.

Setup
Open the mixer settings dialog (settings applied on program startup).

Restore system mixer settings on exit
On/Off restores the system mixer settings when exiting the program.

Save
Save the current state of the system mixer for restoration on exit.

Restore
Restore the saved state of the system mixer (applied on exit).

Clear saved state
Clear the saved mixer state used for restoration on exit.

Setup
Open the mixer settings dialog (settings applied on program exit).

Mixer buttons
On/Off display of buttons for controlling the inputs of the system mixer in the main program window.
It is possible to use several buttons.

Mixer buttons list
List of system mixer control buttons displayed in the program interface.

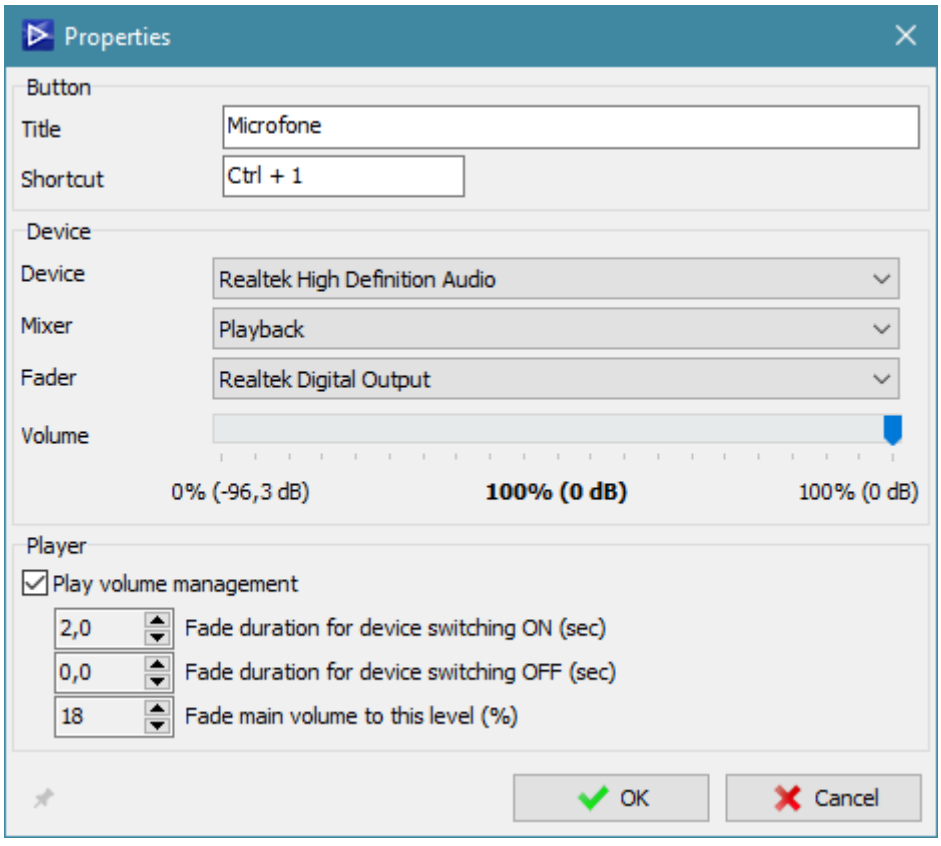
Add
Allows you to create a new button. Opened mixer button properties window.

Remove
Deletes the selected buttons.

Remove all
Removes all buttons.

Properties
Allows you to change the properties of a button. Opened mixer button properties window.

Mixer Button properties



Button

Title
The text displayed on the button.

Shortcut
The shortcut that will be clicked on will be the On/Off button.

Device

Device, Mixer, Fader
Specify which input of which sound card you want to assign to control the button.

Volume
The maximum volume of the microphone.

Player

Adjust the volume control during playback by pressing the button.

☑ **Play volume management**
On/Off control the playback volume.
Principle of operation.
Turn on - first the volume of playing music decreases and then the device turns on.
Shutdown - first turns off the device, and then outputs the music to the original volume level.

123 − + **Fade duration for device switching ON (sec)**
Time of attenuation of the volume of the sounding file or retransmission when the button is pressed.
First, the volume decreases, then the device turns on.

123 − + **Fade duration for device switching OFF (sec)**
The time to resume the volume of the sound file or relay when the button is released.
First, the device turns off, then the volume increases.

123 − + **Fade main volume to this level (%)**
The level to which the volume of playing music or relay will be reduced when the device is turned on.

Jingles

☑ **Show jingle start window after program start**
When Player starts, it will be displayed Jingles start window.

☑ **Place Jingle start window on top**
When the option is turned on, the jingle launch window will be on top of other program windows.

☑ **Close start window after jingle start**
When this option is enabled, when the jingle starts from the "Startup window", the window will close.
Otherwise, the window will remain on the screen.

☑ **Enable jingle start from main window**

With the option enabled, you can start jingles from Player and bookmarks Jingles by pressing the jingle button.
If the option is disabled, jingles can only be started through Jingles start window (F8).

Do not clear current play turn of files on jingle start (if there is no playback)
If this option is enabled, the current queue will not be cleaned when starting the jingle when there is no playback.

Disable simultaneous playback of more than one liner
When the option is turned on, jingle over will interrupt the sound of the previous jingle that is running on top.

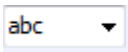
Retransmission

Use Retransmitting
On/On using the retransmitting mode.
Includes the ability to create retransmitting playlists.

Autostart retransmitting
On/Off automatic restart of the retransmitting when the program is started.

Play device
Device for retransmission of retransmission.
Used for retransmission of two types: "Listen to the device" and "Streaming".

Playback buffer
Specifies the buffer size in seconds.



Capture device
Audio device for capturing the input signal during retransmission.

Buffer size (sec)
Capture buffer size in seconds. Increase the value if there are quality issues with the captured signal.

Reserve broadcasting
The "Reserve" mode is used at the moment when the level of the retransmitted signal becomes below the threshold level.

Turn on Reserve mode on signal loss
Setting to activate the backup broadcast in the event of the absence of a retransmitting signal.

Turn off retransmitting volume in Reserve mode
When the backup mode is activated, the retransmitting volume will be set to zero.

Quit from Reserve

Do not stop Reserve until current file is playing
The Retransmitting will be resumed only after the current file has been played from the backup playlist.

Do not stop Reserve until current playlist is playing
The Retransmitting will be resumed only after the current backup playlist has finished playing.

Audio Detector (DTMF)

The audio detector is used to determine whether the retransmission signal matches the previously recorded samples (Wave and MP3 format) or frequency commands, for example, DTMF.
It is used to automate the release of its own ad units on the air of a relayed station.

Activated automatically when relaying starts.

The quality of the recognition is affected by the amplitude of the retransmission signal.
If the volume of the signal is insufficient or too high, there may be a problem with the definition.
It is recommended to adjust the volume of the incoming signal so that the level on the detector's indicator is in the area of the yellow zone.
If this does not help, then you can increase/decrease the sensitivity in the properties of the corresponding sample.

☑ The detector window on top of other windows
The window of the detector will be displayed on top of other program windows in the inactive form

☑ Show audio detector window on startup
When Player starts, the detector window will be automatically displayed

☑ Use retransmission playback volume
When the option is turned on, the detector will adjust the volume level depending on the setting of the repeat playback volume level.

☑ Use audio processing for retransmission
Apply DSP audio processing to the incoming retransmission signal before analysis by the detector.

☑ Add sample detection delay
Adds a delay before sample detection begins, to allow the system time to initialize the signal.

DTMF threshold level
The threshold level in dB is specified for the determination of DTMF sequences.
In case of unreliable operation, it is recommended to lower the level.

DTMF threshold level (dB)
Slider for setting the DTMF sensitivity threshold level in dB.

DTMF signals

In practice, the DTMF (Double Tone Multiple Frequency) standard is most often used.
It is a combination of two tones - high-frequency and low-frequency.

Frequencies of two groups:
- lower group - 697 Hz, 770 Hz, 852 Hz, 941 Hz;
- the upper group - 1209 Hz, 1336 Hz, 1477 Hz, 1638 Hz.

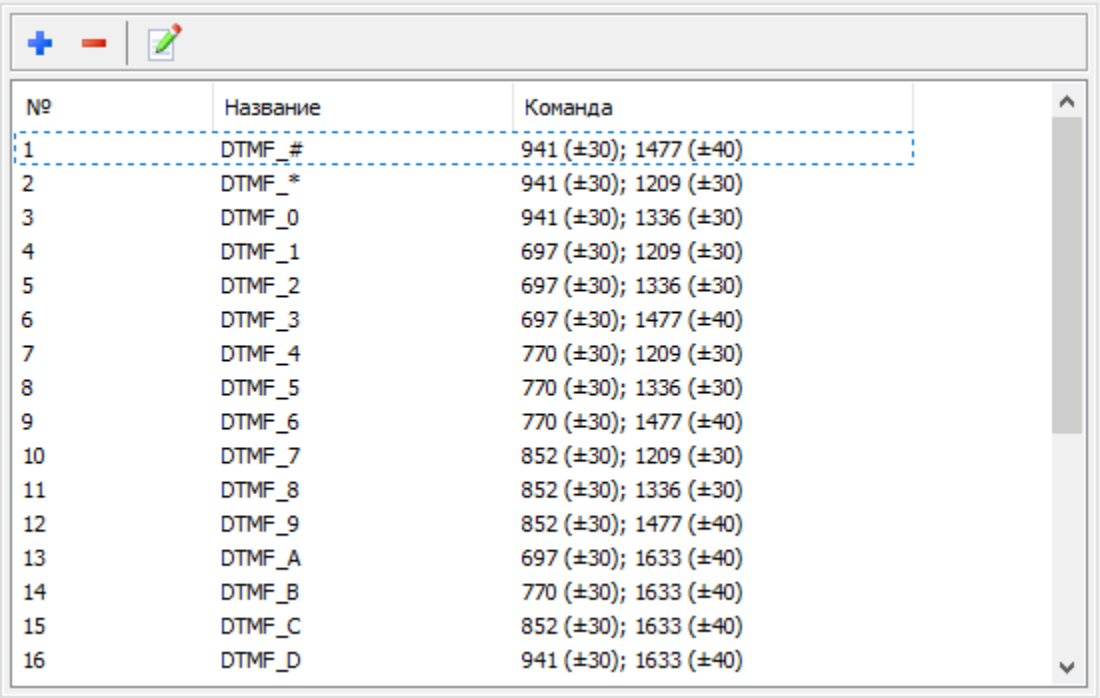
This code provides 16 combinations of signal frequencies.

DTMF Matching Table

Frequency	1209Hz	1336Hz	1477Hz	1633Hz
697Hz	1	2	3	A
770Hz	4	6	6	AT
852Hz	7	8	9	FROM
941Hz	*	0	#	D

Frequency settings

If necessary, the detector can use arbitrary user frequency sets as commands.



№	Название	Команда
1	DTMF_#	941 (±30); 1477 (±40)
2	DTMF_*	941 (±30); 1209 (±30)
3	DTMF_0	941 (±30); 1336 (±30)
4	DTMF_1	697 (±30); 1209 (±30)
5	DTMF_2	697 (±30); 1336 (±30)
6	DTMF_3	697 (±30); 1477 (±40)
7	DTMF_4	770 (±30); 1209 (±30)
8	DTMF_5	770 (±30); 1336 (±30)
9	DTMF_6	770 (±30); 1477 (±40)
10	DTMF_7	852 (±30); 1209 (±30)
11	DTMF_8	852 (±30); 1336 (±30)
12	DTMF_9	852 (±30); 1477 (±40)
13	DTMF_A	697 (±30); 1633 (±40)
14	DTMF_B	770 (±30); 1633 (±40)
15	DTMF_C	852 (±30); 1633 (±40)
16	DTMF_D	941 (±30); 1633 (±40)

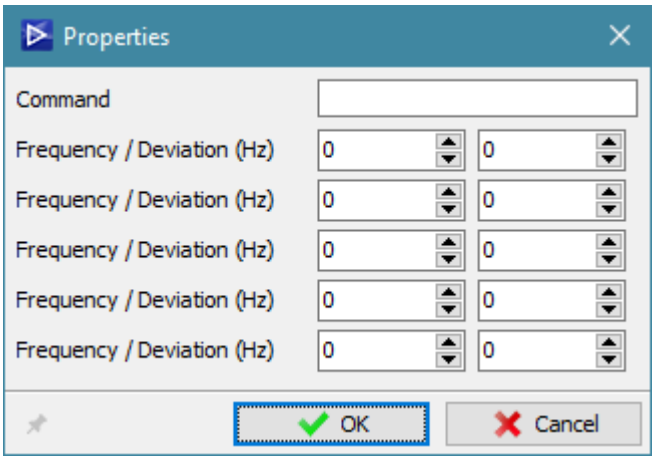
Add
Adding a command. The Properties window of the frequency command opens.

Remove
Removing selected commands from the list

Properties
Editing the properties of the frequency command.

Command Properties

As a command, the set of frequencies simultaneously present in the incoming signal and having a high amplitude is indicated. Frequency sets up to five can be used simultaneously.



Playlists

Launch appropriate playlist when program starts
With the option enabled, the program will launch a playlist at startup, calculated to sound at the current time. If there are no scheduled playlists at the time of launch, the program will not start playback. Checking the start of playlists occurs in order of increasing priority - first retransmission, then file, music, etc.

Brighter color for hour-start lists
The option makes the color of the playlists assigned to the beginning of the hour more vivid in the list of playlists.

Play files accounting for playlist start time when launching a matching playlist
When this option is enabled, the program skips files whose scheduled time has already passed during playlist autostart: the elapsed time since the playlist start is calculated, and files whose estimated end time is earlier than the current moment are removed from the playback queue.

Playlists autostart
Settings for automatically launching different types of playlists according to the start and stop time specified in them. If the option is disabled, playlists of this type can be launched only manually.

Files
Allows automatic launching of "Files" type playlists by start time. If unchecked, playlists of this type can only be started manually.

Music
Allows automatic launching of "Music" type playlists by start time. If unchecked, playlists of this type can only be started manually.

Programs
Allows automatic launching of "Programs" type playlists by start time. If unchecked, playlists of this type can only be started manually.

Advertise
Allows automatic launching of "Advertise" type playlists by start time. If unchecked, playlists of this type can only be started manually.

News
Allows automatic launching of "News" type playlists by start time. If unchecked, playlists of this type can only be started manually.

Jingles
Allows automatic launching of "Jingles" type playlists by start time. If unchecked, playlists of this type can only be started manually.

Retransmission
Allows automatic launching of "Retransmission" type playlists by start time. If unchecked, playlists of this type can only be started manually.

Show file name in playlist information (menus, logs, etc.)
When this option is enabled, the playlist file name is displayed alongside the playlist name — in the context menu, event log, and other interface locations where playlist information is shown.

Deletion settings

Delete unstarted playlists marked for auto-deletion
If a playlist is marked for "auto-deletion" and its time has passed but it was never started, the program removes it from the list automatically. Deletion occurs during the scheduled check of active lists.

Warn about old playlists
When this option is enabled, the program issues a warning if the playlist list contains entries older than the specified number of days.

Abc **Warning delay in days**
The number of days after which a playlist is considered outdated and triggers a warning. Used together with the "Warn about old playlists" option.

Automatically delete old playlists
When this option is enabled, playlists older than the specified number of days are deleted from the list automatically without user interaction.

Abc **Old playlist age in days**
The number of days after which a playlist is considered outdated and subject to automatic deletion. Used together with the "Automatically delete old playlists" option.

Playlists properties

"Default" properties for new playlist

Customize the properties of the newly created playlist for this type.
The properties will be used when creating a new playlist in the list of playlists, or when importing playlists.
Setting is used to facilitate the creation of playlists, provided that some properties of playlists of a certain type remain constant.

Edit (default properties for new playlist)
Opens the properties editor dialog that will be applied by default to all new playlists of the selected type when they are created or imported.

Clear (default properties for new playlist)
Resets the new playlist properties for the selected type — after clearing, new playlists will be created with default (empty) settings.

Start properties for lists of this type

Enable/disable the use of the same trigger properties for playlists of this type.
With the option enabled, all playlists of this type, regardless of the start/stop mode they set, will use the properties specified in the settings.
The start time of the playlists remains unchanged.

Change AutoPlay on time
Use the autorun settings of playlists from the changed properties.

Change AutoStop on time
Use the auto-install settings for playlists from the changed properties.

Edit (normal mode)
Opens the editor dialog for modified launch and stop properties of playlists used in normal program operation mode.

Clear (normal mode)
Resets the modified launch properties for normal mode — playlists will use their own launch/stop settings.

Change start method for Backup mode

Enable/disable the use of modified launch properties for playlists of this type when the "Reserve" mode is enabled.
With the option enabled, all playlists of this type, regardless of the start/stop mode they set, will use the properties listed below.
You can change the way ads are launched in the Reserve mode and instead of the Audio Detector window, use an immediate start at the specified time.
The start time of the playlists remains the same.

Change AutoPlay on time
Use the autorun settings of playlists from the changed properties.

Change AutoStop on time
Use the auto-install settings for playlists from the changed properties.

Edit (Backup mode)
Opens the editor dialog for modified launch and stop properties of playlists used in "Backup" mode.

Clear (Backup mode)
Resets the modified launch properties for Backup mode — playlists will use their own launch/stop settings.

Catalogs/Playlists

Settings for updating file lists for playlists with content "Directories/Playlists".
From the playlists, nonexistent files are deleted and new ones are added.
Used to update the list of files for playlists with nested directories, or playlists. Because the contents of external directories or playlists can change over time.
It is also used to generate a new daily schedule for such playlists.

Do not use the missing files on the disk
When updating lists from nested playlists, their contents will be checked for presence on disks.

Refresh files on Playlist start

On/Off automatically updates the file lists when the playlist starts.
It can cause a delay when starting a playlist with the contents of the "directories", because the procedure for updating files in directories takes time.

☑ **Daily file list update at certain time**

12:34:56 − + **Update time**
Automatic updating of file lists starts at the specified time.

123 − + **Update interval for Playlists in hours**
The time interval that indicates which of the playlists you want to update from the moment you start the update.

Example: If you specify a value of 10 hours, the list of files in the playlists for the next 10 hours will be updated.

Autoimport settings

Import settings used in automatic mode. import windows, but do not depend on them, except for the general rules for auto-replacement of file names.

Import

Automatic playlist import

☑ **Automatic playlist import time**
Enable auto import by time

12:34:56 − + **Import time**
There is an automatic import of playlists at the specified time (hh:mm).

☑ **Import by source directory change**
Enabling auto import by changing the contents of the directory specified in the auto import settings

123 − + **Import delay after change (sec)**
Import will be made with the delay set in seconds.

Import format
Displays the configuration window import playlists.
Saved settings will be used to automatically import playlists.

Run import on command

To start auto import on all running copies of Player, you can run Player.exe with the /Autoimport parameter.

Example:

```
"c:\Program Files (x86)\RADIO Studio Pro\RADIO Player Pro 2\Player.exe" /Autoimport
```

Path autoreplace

The AutoChange function allows you to replace part of the file path after import or auto import to another path.
It is necessary in case of importing playlists created on another computer, where the file allocation paths are different.

To configure, first import the playlists without enabling the function.
Look at the paths to the files that were obtained in the imported playlist in the file properties.
If necessary, add the auto-replacement of the incorrect part of the path and enable the AutoCorrect function.

Example:
After importing into the playlist, the file has the path: **C:\Radio\Music\Song.mp3**
The file on the disk is in the directory **D:\MyRadio\Collection\Song.mp3**
For correction, create a rule
Find: **C:\Radio\Music**
Replace with: **D:\MyRadio\Collection**

For each such conflict, create a separate AutoCorrect rule.

☑ **Use replace rules for file path during import**
Enabling Auto Replace Ways

Archive

Lists settings

☑ **Reverse order (newest first)**
When the option is enabled, the last added files and events will be at the top of the list

☑ **Autoscroll to latest**
If you enable the option after adding a new line, the list will be scrolled so that the data is on the screen

Data settings

☑ **Use the list of played files**
When the option is enabled, the program will save the lost files to the "Loss of files" list.

☑ **Use list of unplayed files**
When the option is enabled, the program will add non-played files to the "List of non-played files".

☑ **Manually deleted file is unplayed**
Not lost files deleted manually from Player, Will be added to the list of files that were not lost.

☑ **Automatically deleted file is unplayed**
Unplayed files deleted automatically when you start a new playlist from Player, Will be added to the list of files that were not lost.

☑ **Files of not started playlist are unplayed**
If the playlist is not started when the playlist is started using the sleep windows or the Audio detector, all the playlist files will be added to the list of non-played files.

☑ **Use event log**

Recording of program events.

Data storage

Automatically delete old records
Enable to automatically delete old archive entries.

Storage time in days
Period of storage of archive records. Archives created earlier will be considered old.
To delete old entries manually, you can use the delete button in the list of archives.

Do not save waveform (to reduce log size)
Do not write the waveform to the event archive. Reduces the size of log files on disk.

Information

Export of information is intended for data transfer to external programs, such as RDS transmitter, ShoutCast server and others.

Use transliteration
Russian letters will be translated into Latin.

Export to text file
A text file is created and updated, in which information from the created templates is recorded.

Export file name
Path and name of the text file for exporting information about the current track.

Save file in UTF-8 encoding
The file will be recorded in the specified encoding.

Write UTF-8 BOM marker
Add a BOM marker at the beginning of the file when saving in UTF-8 (for compatibility with some applications).

Export to Shoutcast server
Export activation for Shoutcast/Icecast servers.

Server setup
Opens the Shoutcast/Icecast server setup dialog for metadata export.

Template

The list of templates is intended for generating test data with information about the current status of the program. Templates are processed in the order of the order in the list and are configured for different types of the current file or for relaying.
The resulting text contains data from all relevant templates for the current state of the program.

Template list
List of configured templates for generating information about the current track. Templates are applied sequentially in the listed order.



Result

Displays the current result of applying templates to the current track information.

Templates of information fields

The text outside the brackets [] is always displayed, the text in brackets only when the broadcast is on.

Template	Description
Version	
[Version]	Software version
Status	
[Status]	Status of own ether
[Retransmit.Status]	Relay Status
[Retransmit.Name]	Relay device name
Current file queue	
[PlayLine.Count]	Number of files
[PlayLine.Duration]	Total time
[Song.DurationLeft]	It remains to the end of the current file
[Prefix.DurationElapsed]	The first file passed first
Current file (replace the word Prefix with Song)	
Next file (replace the word Prefix with NextSong)	
[Prefix.Position]	Position in the queue
[Prefix.Title]	File name
[Prefix.FilePath]	Full filename with path
[Prefix.FileName]	File name
[Prefix.FileNameNoExt]	File name without extension
[Prefix.FileFolder]	File path
[Prefix.Duration]	Duration of the file
[Prefix.Fade.Name]	Fade type
[Prefix.CDLabel]	Disk label
[Prefix.Artist]	Performer
[Prefix.Album]	Album
[Prefix.Genre]	Genre
[Prefix.Year]	Year
[Prefix.Tag.Title]	Name from tag
[Prefix.Tag.Artist]	Artist from tag
[Prefix.Tag.Album]	Album from tag
[Prefix.Tag.Comment]	Comment from tag

[Prefix.Tag.Year]	Year from tag
[Prefix.Tag.Genre]	Genre from the tag
[Prefix.Tag.Track]	Track from tag
[Prefix.Tag.Composer]	Composer from the tag
[Prefix.Tag.Encoder]	Encoder from the tag
[Prefix.Tag.Language]	Language from tag
[Prefix.Tag.Link]	Link from tag
Date Time	
[DateFull]	Current date is full
[Date]	Current date abbreviated
[TimeFull]	Current time (HH: MM: SS)
[Time]	Current time (HH: MM)

Modifiers can be used together with templates.
It is allowed to use several modifiers sequentially.
The modifier can be added at the beginning of the template after the "[" sign.

Modifier	Action
\u	Upgrading
\l	Translated to lower case
\from	First capital letter
\t	Translation into Latin (translit) of Russian letters
\n	Remove digits at the beginning
\b	Remove data in brackets
\s	Remove gaps at the beginning and end
\f	Show value if there is no broadcast or current file
\r|(.*)|	Leave only the part corresponding to the regular expression in brackets (), specified inside | Perl compatible regular expressions are used. If groups in brackets () are not specified, then the entire expression will be used.
\x	Content inside [] is the name of the file from which the text will be loaded.
\d	All line translations will be replaced with spaces

Example of use:
Current file: "d:\MP3\Sale of cars (Advertising on radio). wav"

Template	Result
[SongFileName]	d:\MP3\Sale of cars (Advertising on the radio). wav
[\uSongFileName]	D:\MP3\VEHICLE SALE (ADVERTISEMENT TO RADIO). WAV
[\r|\((.*)\)|SongFileName]	Advertising on the radio

Shoutcast integration

Integration with Shoutcast server

To broadcast streaming audio, you can use the server distributed on the Shoutcast/Icecast network.

For more information on configuring the client and server for the Internet, see the instructions section for RADIO Player Pro.

Tick the active servers and configure the server type and authorization data.

Enable server N
Enables metadata transmission to server N. Checking this box unlocks the address, port, credentials, and protocol type fields for this row.

Address
The IP address or domain name of the Shoutcast/Icecast server to which the program sends information about the current track.

Port
The TCP port number of the Shoutcast/Icecast server (typically 8000 or 8080).

Admin
The username for connecting to the administrative interface of the Shoutcast/Icecast server.

Password
The password for authorization on the server. Entered in masked form (characters are replaced with asterisks).

Mount point
The stream mount point for an Icecast v.2 server. Not used when the Shoutcast protocol type is selected.

Type
Server protocol: Shoutcast v.2, Shoutcast v.1 or Icecast v.2. Determines the request format when updating the current track information.

HTTP server

Settings

Enable server
On/Off the RADIO Player Pro information server.
With the server on, you can view the status of the program by opening the server address in the browser.

Server Port
Server Port

Open home page in browser
Opens the built-in HTTP server's home page in the browser at http://localhost:[port].

Authorization

☑ **Authorization required**
To open the page, the user must enter the user name and password.

Abc **User name**
Username for authorization on the web server

Abc **Password**
User password for authorization on the web server

Example:
Your computer has an IP address of 192.168.0.1, the server port is specified 8080
Server address for your computer: http://localhost:8080
Server address for another computer on the network: http://192.168.0.1:8080
If the port number is 80, then you can skip it. http:// localhost or http://192.168.0.1

If necessary, you can create additional information pages in the WebServer subdirectory in the current profile folder.
Inside the page, you can use templates, which will be replaced with data from the program.
Templates are processed in files with the extensions *. html, *. htm, *. xml, *. txt, other files are transferred without processing.
An example of usage can be found in the files of predefined templates in the folder ENG\Default\WebServer in the installation directory of the program.

Example
If you create a test.htm file in the WebServer folder, you can see the contents at:
http://localhost:8080/test.htm

Email Messages

When changing the status or performing certain actions, the program can send text messages to the user's Email.

☑ **Send messages to E-mail**
Enable the sending of information messages.

Select the types of messages you want to receive by ticking.

Playback start
Send a message when playback of a file of a specific type begins.

☑ **Files**
Send an E-mail when playback of a "File" type file begins.

☑ **Music**
Send an E-mail when playback of a music file begins.

☑ **Programs**
Send an E-mail when playback of a program file begins.

☑ **Commercials**
Send an E-mail when playback of a commercial block begins.

☑ **News**

Send an E-mail when playback of news begins.

☑ **Jingles**
Send an E-mail when a jingle starts.

Playback end
Send a message when playback of a file of a specific type ends.

☑ **Files**
Send an E-mail when playback of a "File" type file ends.

☑ **Music**
Send an E-mail when playback of a music file ends.

☑ **Programs**
Send an E-mail when playback of a program file ends.

☑ **Commercials**
Send an E-mail when playback of a commercial block ends.

☑ **News**
Send an E-mail when playback of news ends.

☑ **Jingles**
Send an E-mail when a jingle ends.

Retransmission
Send a message when the retransmission state changes.

☑ **Enabled**
Send an E-mail when retransmission is enabled.

☑ **Disabled**
Send an E-mail when retransmission is disabled.

Reserve
Send a message when switching to reserve broadcasting mode and back.

☑ **Enabled**
Send an E-mail when switching to reserve broadcasting mode.

☑ **Disabled**
Send an E-mail when exiting reserve broadcasting mode.

Audio detector
Send a message on audio detector events.

☑ **Sample found**
Send an E-mail when the audio detector finds a DTMF sample.

☑ **Sample not found**
Send an E-mail when the audio detector does not find a DTMF sample.

Program
Send a message on program startup and shutdown.

☑ Start
Send an E-mail when the program starts.

☑ Stop
Send an E-mail when the program shuts down.

☑ File playback error
Send an E-mail when a file playback error occurs.

☑ Auto-import playlists
Send an E-mail when automatic playlist import is performed.

Reserve retransmission
Send a message when the reserve retransmission state changes.

☑ Enabled
Send an E-mail when reserve retransmission is enabled.

☑ Disabled
Send an E-mail when reserve retransmission is disabled.

Email Preferences

SMTP Settings
Settings for sending messages using the program.

Server
The SMTP server address for sending mail.

Connection
Select the type of connection supported by the server.

Port
The SMTP server port for sending mail.

User name
The user name for authorization on the server. Leave blank if no authorization is required.

Password
Password for authorization on the server. Leave blank if no authorization is required.

E-mail settings

From (E-mail)
The address from which the message will be sent.

To (E-mail)
The address to which the message will be sent.

Subject
The subject of the outgoing letter.

Text
The text of the outgoing letter.

The text [Message] in the subject or text is replaced with the message sent by the program.

Send test message
Sends a test e-mail message with the current settings to verify the configuration is correct.

Access

This section allows you to set restrictions on the ability to access the Settings and the ability to add, delete and modify playlists and files, as well as restrict access to other functions of the program.

Abc **Administrator's password**
The password used to restrict actions.

- ☑ **Exit with password**
  You can close the program only after entering the administrative password.

- ☑ **Use password to edit settings**
  When this feature is enabled, access to the Settings will be enabled only after entering the administrative password.

- ☑ **Use password for Playlist import**
  When this feature is enabled, importing playlists will be allowed only after entering the administrative password.

☑ **Disable position change of the playing file**
When enabled, prevents the operator from seeking the currently playing file — the position slider becomes unavailable.

Player — Files

☑ **Disable all changes (Player — Files)**
Blocks all editing operations in the player file list with a single toggle; equivalent to enabling all the checkboxes below simultaneously.

☑ **Disable file deletion (Player — Files)**
Prevents deleting files from the player list (from program memory, without deleting from disk).

☑ **Disable list clearing (Player — Files)**
Prevents clearing the entire player file list.

☑ **Disable adding files/folders (Player — Files)**
Prevents adding new files or folders to the player list.

☑ **Disable deleting files from disk (Player — Files)**
Prevents the operator from deleting files directly from the hard disk via the player interface.

☑ **Disable sorting (Player — Files)**
Prevents sorting the player file list.

☑ **Disable editing file properties (Player — Files)**
Prevents opening the file properties dialog to edit metadata from the player.

☑ **Disable launching files by mouse (double-click) (Player — Files)**
Prevents starting a file for playback by double-clicking in the player list.

Disable moving files (Player — Files)
Prevents dragging files within the player list to change the playback order.

Disable confirmation when modifying list (Player — Files)
Removes the confirmation dialog that appears when modifying the player file list.

Player — Lists

Disable all changes (Player — Lists)
Blocks all editing operations in the player playlist list.

Disable manual start (Player — Lists)
Prevents the operator from manually starting a playlist from the player section.

Playlists — Lists

Disable all changes (Playlists — Lists)
Blocks all editing operations on lists in the Playlists section.

Disable manual start (Playlists — Lists)
Prevents the operator from manually starting a playlist from the Playlists section.

Disable confirmation when modifying list (Playlists — Lists)
Removes the confirmation dialog that appears when modifying the playlist list.

Playlists — Files

Disable deleting files from disk (Playlists — Files)
Prevents the operator from deleting files from the hard disk via the playlist management section.

Disable list clearing (Playlists — Files)
Prevents clearing the entire file list in the Playlists section.

Disable confirmation when modifying list (Playlists — Files)
Removes the confirmation dialog that appears when modifying the playlist file list.

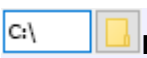
Jingles

Disable all changes (Jingles)
Blocks all editing operations in the Jingles section.

Archive

Disable all changes (Archive)
Blocks all editing operations in the Archive section.

Configuration



Backup archive folder
Specifies the location of the directory to store zip data archives.

Relative path from
Defines the folder that a relative path to the archive folder is counted from. If a full path (with a drive letter or a network path) is specified, this choice is not used and becomes unavailable.

Profile folder
Archives are stored inside the data folder of the current profile (default).

User Documents
Archives are stored in the user "Documents" folder: RADIO Studio Pro\Application\Profile\. A separate folder is created for each profile.

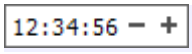
Current path
Shows the full path to the archive folder according to the selected settings. Updated when they change.

Options

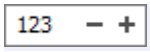
☑ **Warn when backup is disabled**
If automatic backup is turned off, 5 seconds after start the program warns about it and offers to open the backup settings. The warning is not shown when a Windows Task Scheduler task exists. To turn the warning off, tick "Do not show again" in its window or clear this checkbox.

☑ **Autosave configuration archive on exit**
On/Off autosave the archive when exiting the program.
The archive is not saved if there were errors during the program loading.

☑ **Automatically backup on time**
Enable/Disable the autosave of the archive at the specified time after the selected time interval.
The archive will be created only when the program is on, if the specified time has come.



Backup time
Time of the archive creation.



Interval in days
The interval in days, through which a new copy of the archive will be created.

☑ **Use limited number of archives**
When the option is enabled, the program will automatically delete older archives when creating new ones.



Maximum count
The maximum number of archive files upon which the program will begin to delete older archives.

☑ **No more than one archive per day**
When the option is enabled, the program will delete the old archives on the same date when creating new ones.

Archive data

☑ **Settings**
Data from the Directories and options of the Settings window.

☑ **Archive**
Lists of lost, unplayed files and program messages.

☑ **Playlists**
Lists of playlists.

☑ **Jingles**
Lists of jingles.

☑ **MiniBase**
Sections of the minibase.

☑ **Debug information**
Information that may be required by the technical support service

Actions

Save to archive
The procedure for saving to zip the archive of the selected data.

Restore from archive
The procedure for restoring the previously saved data from the zip archive. Only the selected ones will be restored, regardless of the availability of data in the archive.

Reset data
The procedure for resetting the selected data to the default state.

Import configuration

Backup archive folder

Specifies the location of the directory to store zip data archives.

Relative path from
Defines the folder that a relative path to the archive folder is counted from. If a full path (with a drive letter or a network path) is specified, this choice is not used and becomes unavailable.

Profile folder
Archives are stored inside the data folder of the current profile (default).

User Documents
Archives are stored in the user "Documents" folder: RADIO Studio Pro\Application\Profile\. A separate folder is created for each profile.

Current path
Shows the full path to the archive folder according to the selected settings. Updated when they change.

Options

☑ **Warn when backup is disabled**
If automatic backup is turned off, 5 seconds after start the program warns about it and offers to open the backup settings. The warning is not shown when a Windows Task Scheduler task exists. To turn the warning off, tick "Do not show again" in its window or clear this checkbox.

☑ **Autosave configuration archive on exit**
On/Off autosave the archive when exiting the program.
The archive is not saved if there were errors during the program loading.

☑ **Automatically backup on time**
Enable/Disable autosave of the archive at the specified time, after the selected time interval.
The archive will be created only when the program is on, if the specified time has come.

12:34:56 − + **Backup time**
Time of the archive creation.

123 − + **Interval in days**
The interval in days, through which a new copy of the archive will be created.

☑ **Use limited number of archives**
When the option is enabled, the program will automatically delete older archives when creating new ones.

123 − + **Maximum count**
The maximum number of archive files upon which the program will begin to delete older archives.

☑ **No more than one archive per day**
When the option is enabled, the program will delete the old archives on the same date when creating new ones.

Actions

Save to archive
The procedure for saving to zip the archive of the selected data.

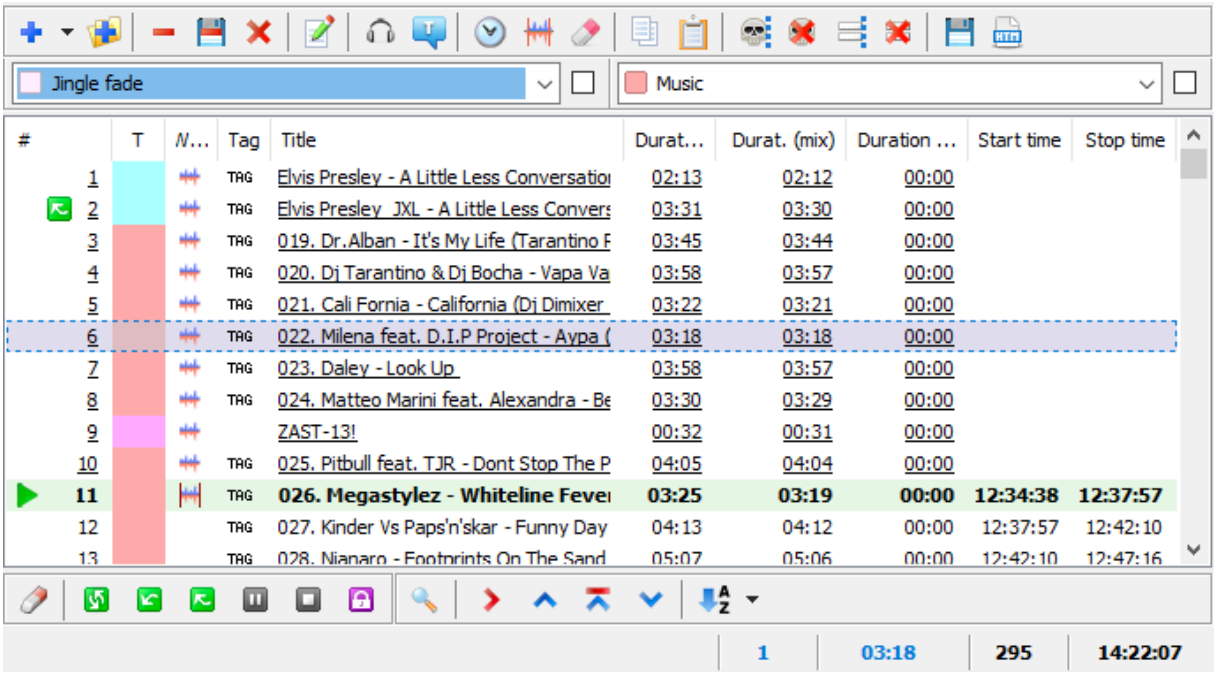
Restore from archive
The procedure for restoring the previously saved data from the zip archive. Only the selected ones will be restored, regardless of the availability of data in the archive.

Resetting data
The procedure for resetting the selected data to the default state.

 **Import configuration from RADIO Player Pro v.1.9.x**
Launches the configuration import wizard from the previous version of RADIO Player Pro v.1.9.x.

Windows

list of files



The file list displays the current playlist files and their properties.
By clicking the right mouse button, you can configure the list of displayed columns and toolbars.
Below is the information on the time of the selected files, all files and the total number of files in the list.
Quick file search is available by Ctrl F.

Type pane

Fade type
Allows you to set the fade type for the selected file.

☑ **Fix type**
On/Off automatic type change when the file is selected.

File type
Allows you to set the file type for the selected file.

☑ **Fix type**
On/Off automatic type change when the file is selected.

File Tag Panel

Remove marks from selected files
Cleared tags are set for the selected files.

 **Cycle mark**
The file will be played repeatedly until a new file is launched.

 **Cycle start mark**
Files enclosed between the beginning and end of the cycle, or the end of the playlist, will be played cyclically.

 **Cycle stop mark**
Files between the beginning of the cycle, or the beginning of the sheet and the end of the cycle, will be played cyclically.

 **Pause mark**
After playing the file, the program will enter PAUSE mode.

 **Stop mark**
After playing the file, the program will enter STOP mode.

 **Unbreakable group mark**
When you start playlists and move files, the program will not break the group of nearby files that have this label.

Navigation pane

 **Show current file**
The selection bar moves to the current file.

 **Move files to the top of the list**
Moves the selected files to the top of the list.

 **Move files after curret**
The selected files are moved after the playing file.

 **Move files to the end of the list**
Moves the selected files to the end of the list.

 **Sort**
Files are sorted by name in alphabetical order.

Main Panel

 **Add files to list**
Adding a file (s) to the end of the list (by default).
When the menu is called (black arrow on the right), it is possible to add the selected files to the beginning, after the selected one, after the player.

 **Add folder**
Adding the file (s) from the directory to the end of the list.

 Remove selected files from list
Delete the file (s) from the list.

 **Remove selected files from disk**
Delete the file (s) from the list and from the disk.

 **Clear list**
All files in the list are deleted.

 **File properties**
Editing file properties.

 **Headphones**
Listening to the file.

 **View text file**
Add/Edit/Delete narration text (a text file displayed on the screen at the time of playback).

 **Update file parameters from disk**
The parameters of the files from the disk are updated (characteristics, time, tags ...).

 **Automatically set start and end fade**
Load a wave chart from a file and set start and end marks.

 **Clear waveform and start/end marks**
Clear the wave chart of the file and start and end tags.

 **Copy to buffer**
Copy selected files to the internal program buffer.

 **Paste from buffer**
Add files from the internal program buffer after the selected one.

 **Select non-existing files**
Selecting files that do not exist on the disk.

 **Delete nonexistent files**
Delete a file (s) whose links do not exist from the list.

 **Select duplicate files**

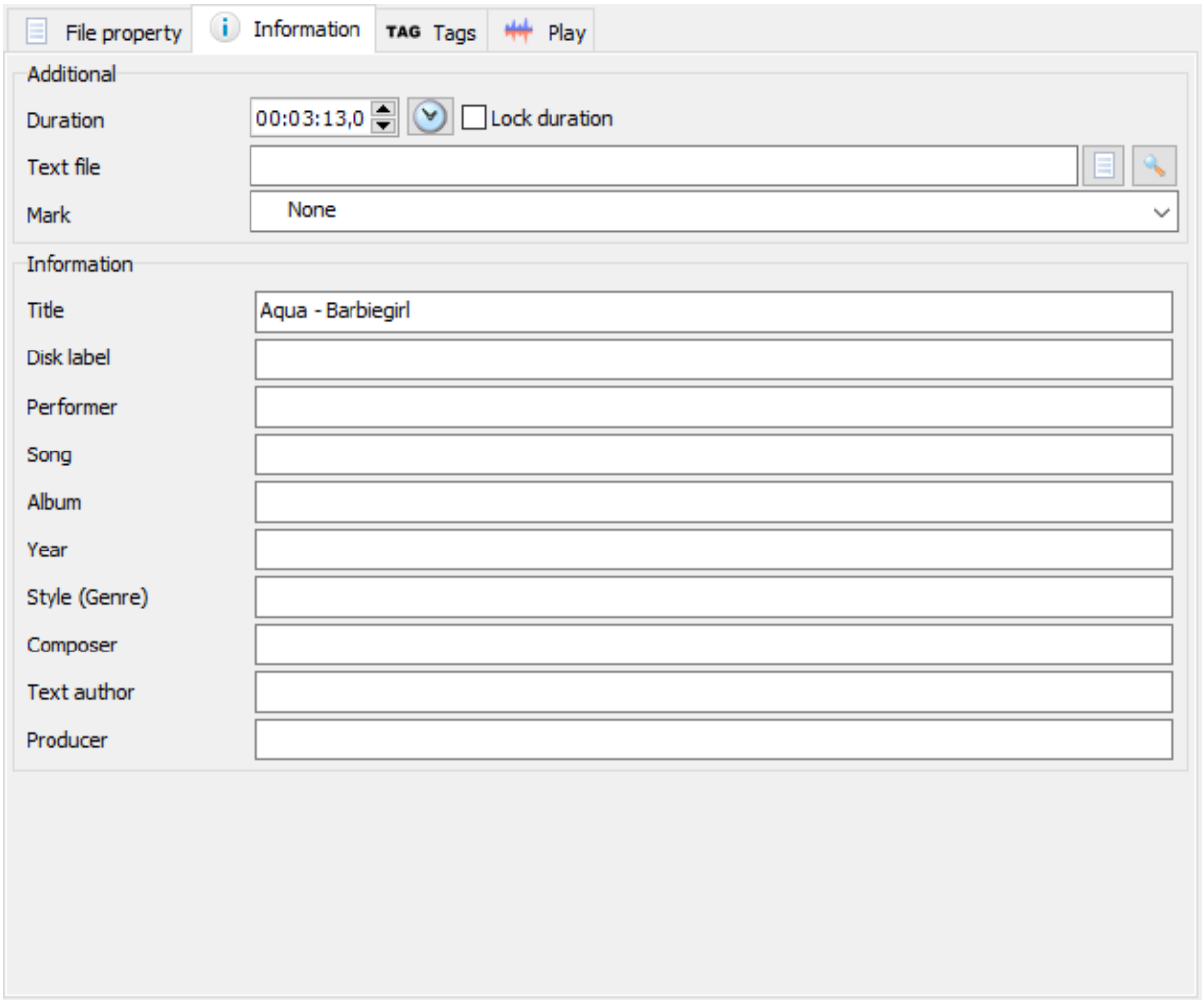
Selecting duplicate files from the list.

Delete duplicate files
Delete duplicate files from the list.

Save playlist as...
Save the list of files as playlist Player Pro (*. pro) or Winamp (*. m3u).

Save files list in HTML format
Save the list of files as *. htm file (specify the name and duration of the file).

File property



Changing file properties allows you to change the personal settings of the file.
For help, select the section below, or click on the corresponding tab in the picture.

File property

Main


File
The location of the file on the disk.

Common

General characteristics of the file.

File size
The physical size of the file on the disk is in bytes.

Channels
Information about the number of audio channels in the file.

Frequency
Sampling rate in Hz.

Bitrate
Data transmission speed.

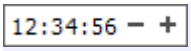
Codec
Type of codec used.

MPEG
Type of MPEG used.

Duration
The actual duration of the file.

Information

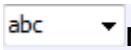
Additional


Duration
Duration of the file.


Refresh time
The actual duration is determined directly from the file.


Lock duration
During playback, the actual duration of the file is ignored.
Used to change the playing time.


Text file
The name of the file containing the narration text.
When you start a music file, the narration text is displayed in a separate window.


Mark
Label of the information carrier.

- **None** - file without a label.
- **Cycle** - looping one file during playback.
- **Start of cycle** - the start mark of the group file cycle.
- **End of cycle** end of the file group cycle. If there is no start mark of the loop, then the loop starts from the beginning of the list.
- **Pause** - stop waiting after the end of the file.
- **Stop** - Full stop playback.
- **Unbreakable group** - an inseparable group of files facilitates the movement of files and does not violate the sequence of auto-jingle and playlists.

Information


Title
The name displayed in the playlists in the program.


CD mark, MD
Label of the information carrier.

Information on the composition. It is filled in by the program from tags of files or from the information in the database.

Tags

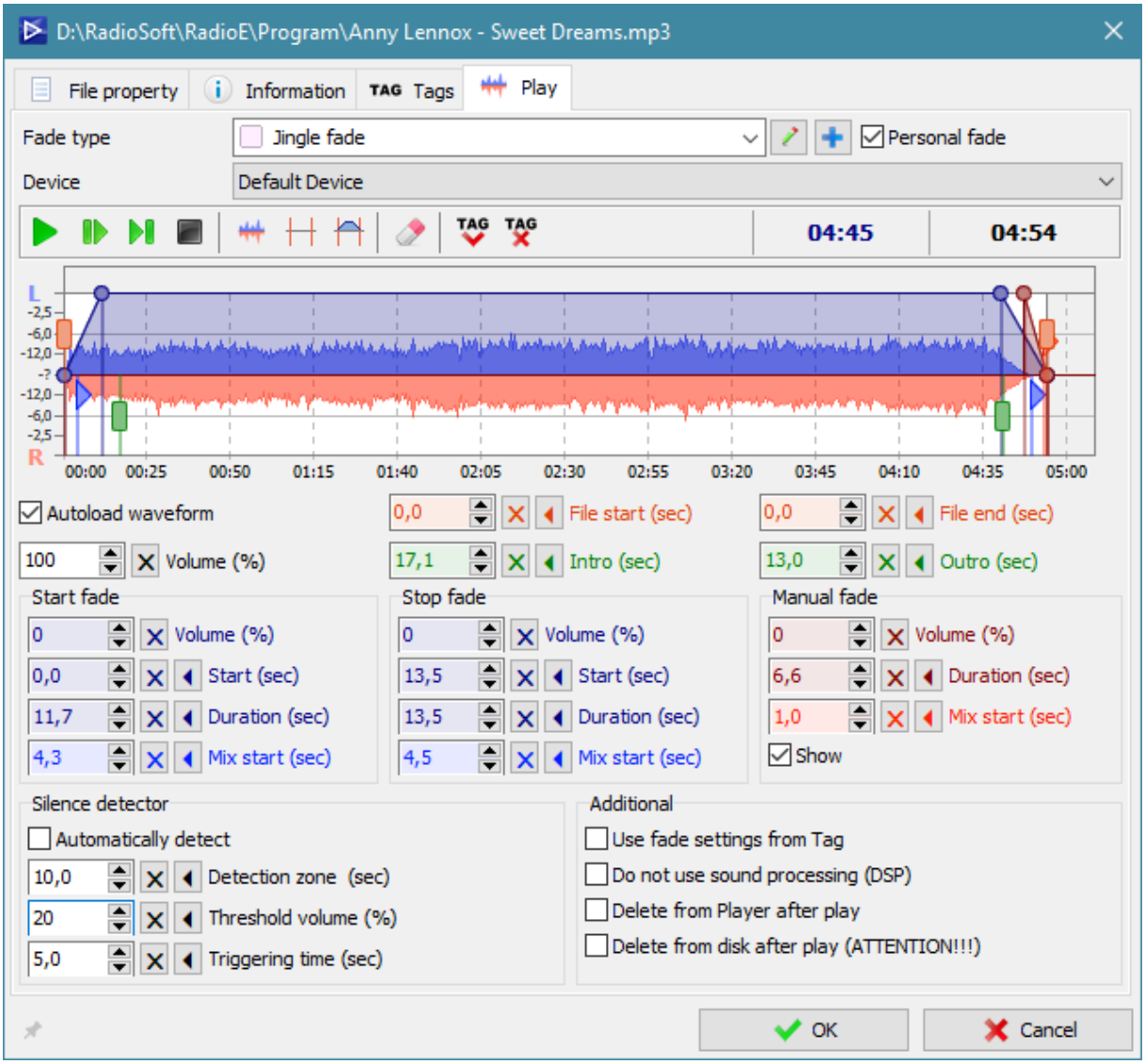
Information from information tags.
ID3 tags v.1, ID3 v.2, Ogg, Flac, Ape, WMA are supported.


Load from Tag
Loading information from the tag


Save to tag
Write information to a file tag.


Remove from tag
Remove tags from the file.

Play



Fade type
Select the type of fade used. When selected, the current settings are replaced with the settings of the selected fade.

Device
Select a playback device if you want to play the file on a separate device.

WaveForm

The wave diagram displays a diagram of the volume levels of the edited file.

Mouse Actions

Left button	Starting play
Right button	Resetting a marker position and stopping playback
Double click	Setting a label on the chart
Mouse Wheel	Zoom in or out on a chart

 **Play from the beginning**
Start play from the zero position.

 **Play from start fade**
Start playback from the start mark of the file.

 **Play from end fade**
Starts playing 1 second before the end mark of the file.

 **Stop**
Stop playback.

 **Load from file**
Reboot the wave diagram directly from the file.

 **Autotrim file**
Auto-fit the beginning and end of the file, using the current fade settings for the start/end detector for silence. The type of fade does not change.

 **Autodetect start and end of file and save to personal fade**
Auto-fit the beginning and end of the file and set the initial values for the fade. The fade type will be set to Personal.

 **Clear setting**
Selective cleaning of the fade parameters and the loaded wave diagram.

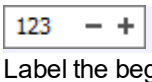
 **Load from Tag**
Loading a fade from the tag

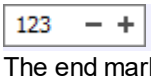
 **Save to tag**
Write the tag data to a file.

 **Remove from tag**
Delete tag data from file.

Depending on the file type (MP3, OGG, WMA, etc.), various data stored in the tag can be displayed.

Characteristics

 **File start (sec)**
Label the beginning of the file.

 **File end (sec)**
The end mark of the file.

123 − + **Intro (sec)**
Time to the beginning of the words in the song.

123 − + **Outro (sec)**
Time after the end of the words in the song.

Fade

123 − + **Volume**
Maximum volume of the file in%.

Start fade
Used when starting the file.

123 − + **Volume (%) -** the initial volume of the file at the beginning of the fade.
123 − + **Start (sec) -** the fade start time in seconds from the beginning of the file.
123 − + **Duration (sec) -** fade length in seconds (fade time).
123 − + **Mix start(sec)** - the start time of the next file in seconds to the end of the file.

Stop fade
Used when the file is automatically stopped and mixed.

123 − + **Volume (%)** - the final volume of the file at the end of the fade.
123 − + **Start(sec)** - time of fade start in seconds before the end of the file.
123 − + **Duration(sec)** - fade length in seconds (fade time).
123 − + **Mix start(sec)** - the start time of the next file in seconds to the end of the file.

Manual fade
Used in case of a file mix before its end or pressing the "Start next file" button, etc.

123 − + **Volume(%)** - the final volume of the file at the end of the fade.
123 − + **Duration(sec)** - fade length in seconds (fade time = fade start).
123 − + **Mix start(sec)** - the start time of the next file in seconds until the end of the fade.

Silence Detector

☑ **Automatically detect**
On/Off automatic detection of start and end of file at startup

123 − + **Detection zone (sec)** - time from the beginning or to the end of the file, where the silence detection will be active. **Only used for playback for files**.
123 − + **Threshold volume (%)** - % of the maximum level, below which the signal is considered silence.

123 **Delay (sec) (common)** - delay time, which determines when, from the moment the signal disappears or appears, the input or output from the silence detector is triggered. **Used only for relaying.**

123 **Exit delay (sec) (0 - common)** - delay time to exit the state when the detector has detected silence. Determines the time from the moment the signal appears when the silence detector exits. A value of 0 uses the overall delay. **Used only for relaying.**

Additional

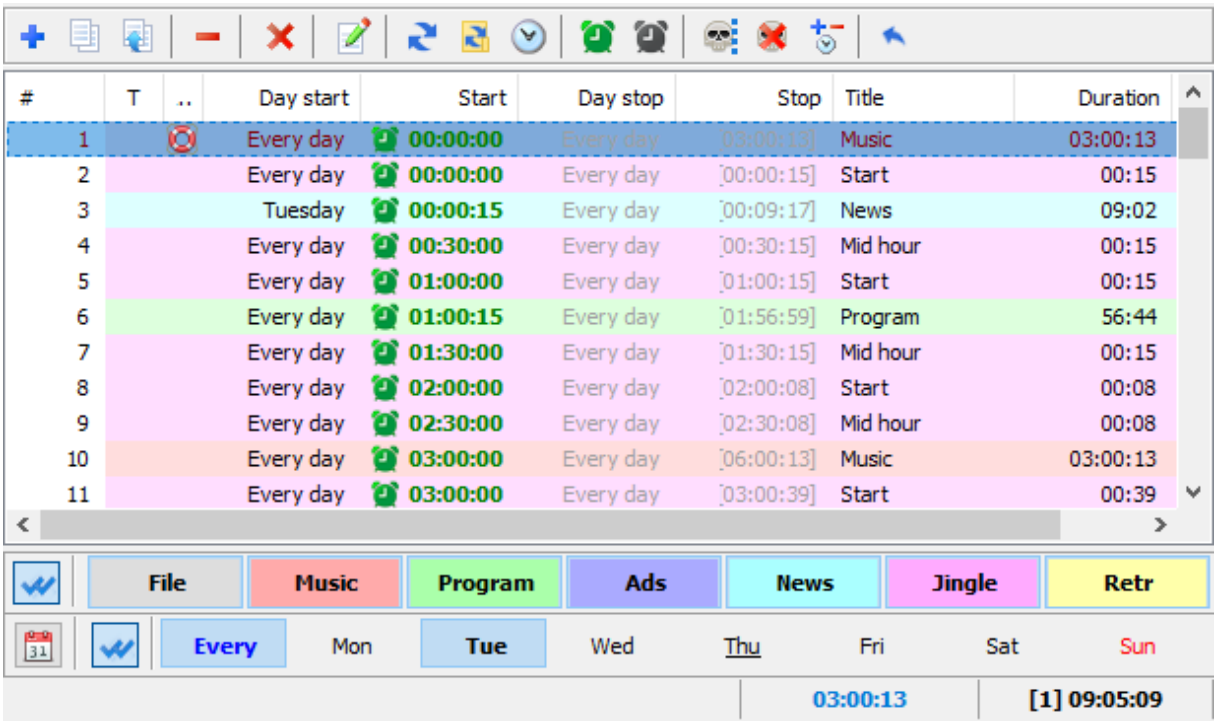
☑ **Use fade settings from Tag**
Activating uploading fade data from a file while playing.
This function works only with files containing tags (for example, MP3, OGG).

☑ **Do not use sound processing (DSP)**
Disables the use of DSP plug-ins for audio processing for this type of fade or specific file.

☑ **Delete from Player after play**
Enables the mode of deleting a file from the player after playback.

☑ **Delete from disc after playback (ATTENTION !!!)**
Enables the mode of deleting a file with this type from the disc after playback.
ATTENTION!!! If you delete without using the Recycle Bin, you will not be able to restore the file without special programs!

List of playlists



Buttons for editing playlists.



Add playlist
Add a playlist. The dialog opens. Playlist properties.



Copy/move selected playlists
Copy or move selected playlists to another day of the week or date.



Copy selected playlist
Copy the selected playlist from the list.

Remove playlist
Delete selected playlists from the list.



Clear list
Removes all playlists from the list.



Change properties
Edit properties of the playlist.



Update list of playlists
A list of playlists is read from the disc.



Refresh file lists of files in playlists/folders
Updates file lists in the playlists of the current list. Used for playlists with content. Playlists\Directories.



Calculate time
Calculate the playing time of each playlist.



On/Off autostart at time
If you turn off this label, the playlist will not start automatically.



On/Off autostop at time
If you turn off this label, the playlist will not stop automatically.



Find non-existent files
If there are non-existent files in the playlists, then a list of these files with playlists is displayed. If there are no such files, then a message appears saying that they do not exist.



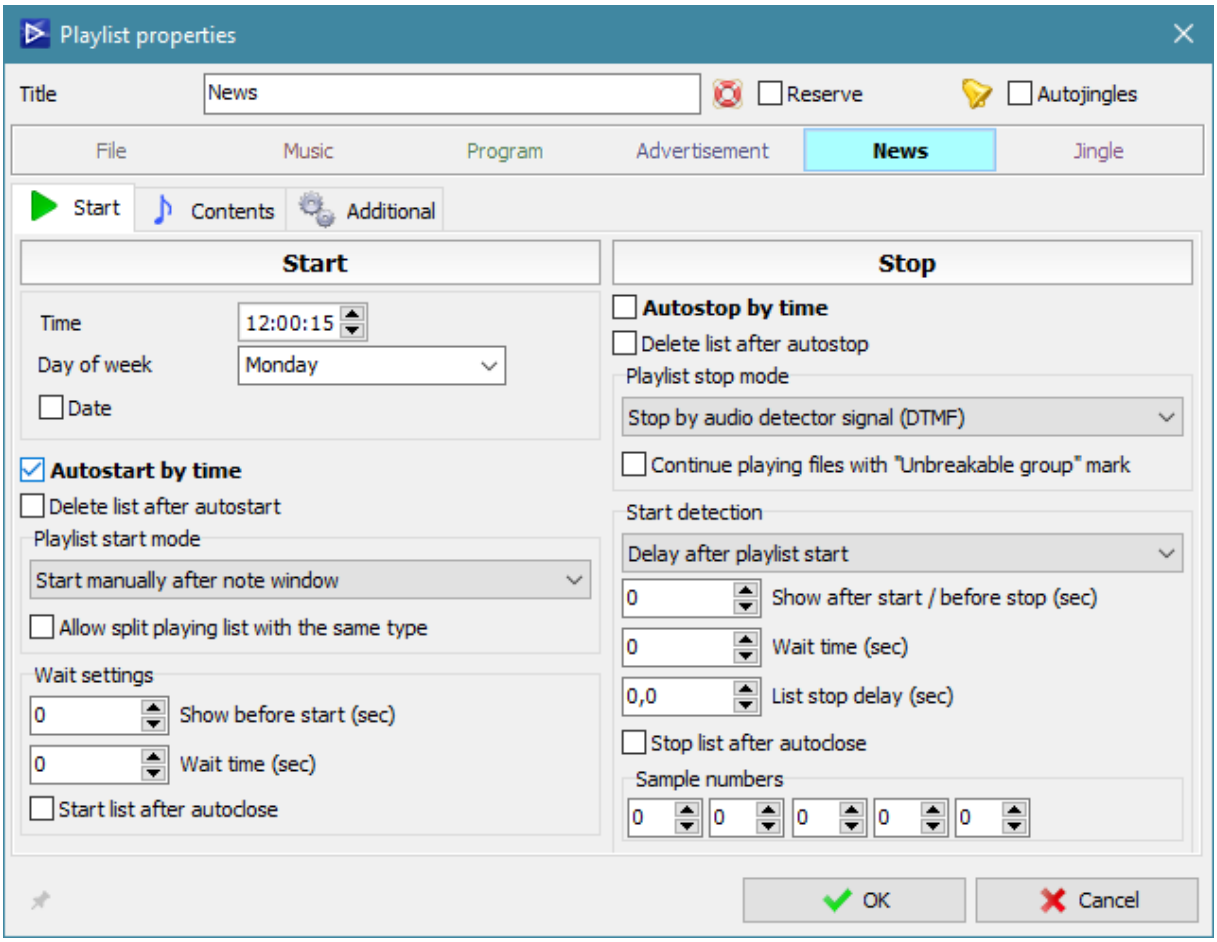
Delete non-existent files
Deletes nonexistent files in the selected (or all) playlists of the current list. It is necessary to change the contents of the hard disk.



Change the start time of the selected playlists
Ability to change the start time of the selected playlists.

Undo
Cancels the last committed action - deleting, clearing the list, renaming or adding a playlist.

Playlist properties



Title
The name that will be displayed in the list of playlists.

Type
List type, Which determines its priority.

For reserve
The playlist will be used for Standby mode and will not start when the mode is not active

Autojingle playlist
The playlist will be used as an autojingle one.
Such a list does not start as a normal playlist. The start/stop time of an autojingle playlist indicates the time period in which the given playlist is active. When the playlist is active, then after a certain number of played files, an additional file is inserted into the current playline from the contents of this playlist. Additional settings for autojingles in the playlist properties define permissions and prohibitions for adding autojingles (Playlist properties - Autojingles).

An auto jingle playlist can also be run manually like a normal playlist. In this case, the files from it will be added to Player like from a regular playlist in accordance with the selected launch method.

☑ **Restrict playlist deletion**
When this option is enabled, the playlist cannot be deleted manually or automatically

Properties

Start

12:34:56 − + **Time**
Start time for the playlist.

Day of week
Day of the sheet start. Every day - the sheet is launched on any day of the week.

☑ **Date**
On/Off use of a specific start date.

☑ **Autostart by time**
Enable/Disable the automatic start of the sheet at the specified time.

☑ **Delete list after autostart**
Delete a sheet from disk after startup.
If the stop is specified, the sheet will be deleted after the sheet is stopped.

Playlist start mode

Add to playline according to priority - the playlist will be added to the queue with priority playlist.
Start with priority - the playlist will be added to the queue with priority playlist and is started if priority allows.
Start at time - the playlist will be added to the queue after the current file and immediately launched at the specified time.
Start manually after note window - Playlist will be launched after displaying a message about the readiness of the playlist to start.
Start by audio detector signal (DTMF) - the playlist will be launched at the command of the detector, or manually after the message is displayed.

☑ **Allow split playing list with the same type**
Increase the priority, allowing to break the sheet of the same priority.

Wait setting

123 − + **Show before start (sec)**
The time for which the message window will be displayed before the intended start of the playlist.
0 - the window will be displayed exactly at the specified start time.

123 − + **Wait time (sec)**
The time after which the opening window will be closed automatically.
0 - the window will not be closed automatically.

☑ **Start playlist after autoclose**
When the option is turned on, the playlist will be launched automatically after the waiting time has expired.

Start detection (DTMF)

123 − + **Show before start (sec)**
Indicates the time to the intended start of the playlist, in which tracking will be enabled.
0 - the window will be displayed exactly at the specified start time.

123 − + **Wait time (sec)**
Indicates the time during which the tracking of the coincidence of signals will pass.
0 - the window will not be closed automatically.

123 − + **List stop delay (sec)**
Delay before starting the sheet after determining the sample.

☑ **Start list after autoclose**
If the option is turned on, the waiting playlist will be started after the timeout.

Sample numbers
Specify the number of fragments (samples), the tracking of which must be included.

Stop

12:34:56 − + **Time**
Stop time for the playlist.

Day of week
Day of leaf stoppage. Every day - the leaf stops on any day of the week.

☑ **Date**
On/Off use of a specific stop date.

☑ **Autostop by time**
On/Off automatic sheet stop at the specified time.

☑ **Delete list after autostop**
Delete a sheet from the disc after stopping.

Playlist stop mode

Stop after current file - playback will be stopped after the current file finishes playing.
Stop at time - playback will stop immediately.
Stop manually after note window - the playback will be stopped after displaying the message that the playlist is ready to stop.
Stop by audio detector signal (DTMF) - the playlist will be stopped by the command of the audio detector, or manually after the message.

☑ **Continue playing files with "Unbreakable group" mark**
When the option is turned on, if you stop the playlist containing files marked "Unbroken Group", the files will be played and only after that the playlist will be stopped.
Can be used to ensure the integrity of the block with commercial advertising.

Wait setting

123 − + **Show after start (sec)**

The time for which the message window will be displayed before the alleged stoppage of the playlist.

123 − + **Wait time (sec)**
The time at which, after opening the stop window, it will be closed automatically.

☑ **Stop list after autoclose**
When the option is on, the playlist will be stopped automatically after the waiting time has expired.

Start detection (DTMF)

◉ **Launch Tracking:**
Choosing a way to start tracking samples.

The window will be displayed with a delay from the moment the playlist starts.

The window will show how the last file of the current playlist will start.

The window will show how the last file of the current playlist that has the label "Unbroken Group" will start.

The window will be shown by the stop time.

123 − + **Show after start/before stop (sec)**
Indicates the time after launching the playlist, through which tracking will be enabled.

123 − + **Wait time (sec)**
Indicates the time, during which the tracking of the coincidence of signals will be made.
If the value is equal, the tracking will take place unlimited time.

123 − + **List stop delay (sec)**
Delay before starting the sheet after determining the sample.

☑ **Stop list after autoclose**
When the option is turned on, the running playlist will stop after the timeout period has elapsed.

Sample numbers
Specify the number of fragments (samples) from the detector base, the tracking of which must be enabled.

Contents

Content type

◉**Files** - playlist contains list of files.
◉**Folders/Playlists** - The playlist contains a list of directories and playlists with additional settings for each of them.

Fade type
Type of fade files for lists of directories and playlists.

Random file selection sequence setup

Indicate the number of directories (playlists) through a space in the order in which the program will take files from them with random sorting.

Example:

The entry "1 2 3?" Means that the first file will be random files from the catalog (playlist) # 1, the second from the catalog (playlist) # 2, the third from the catalog # 3, and the fourth from the random directory.



Move up

Move the highlighted directories/playlists to the top of the list.



Move the card down

Moves the highlighted directories/playlists to the end of the list.



Add folder

Allows you to add a directory and specify the appropriate settings for it. The catalog/playlist properties window opens.



Add playlist

Allows you to create a playlist and specify the appropriate settings for it. Opened catalog/playlist properties window.

Delete

Delete selected directory types/playlists.



Remove all

Delete all catalogs/playlists.



Properties

Allows you to change the properties of the directory/playlist. Opened catalog/playlist properties window.



Copy to buffer

Copy selected directories/playlists to the internal program buffer.



Paste from buffer

Adding directories/playlists from the internal program buffer after the selected one.

Additional

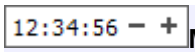
Actions before start

Size limit



Files count to leave in playlist (0 - leave at files)

Indicates the number of random files that will remain in the playlist at startup.
Used to accelerate the launch playlists from directories containing large number of files.



Make Playlist to fit time (00:00:00 - leave all files)
Indicates the playing time that will remain in the playlist at startup.
Used to speed up the launch of playlists with directories containing a large number of files.

☑ **Delete random files (off - delete files from end)**
When the option is enabled, random files will be deleted in the worksheet, if the option is disabled, the files from the end of the list will be deleted.

☑ **Do not play files from archive**
Off - all files will be played, On - files that match the ones played during the time specified below will not be played.



Time in hours to check archive log
The time interval from the time when the sheet was started, for which the files were matched.

Sort

◉ **None** - without sorting.
◉ **Random** - before running, the files will be sorted randomly.
◉ **Alphabetic** - before starting the files will be sorted in alphabetical order.

☑ **Delete files of the same type from Player tab**
At startup, all files from the Player, whose type matches the type of the playlist, will be deleted.

☑ **From playlists only**
Only files from the playlists that are currently running will be deleted, the files added to the file list manually will not be deleted.

☑ **Delete played files from current playline**
At startup, all the lost files will be deleted.
Instead of this option, you can use the auto-delete settings setting in RADIO Player Pro "Settings - Advanced settings".

☑ **Individual preload time**
Individual preload time in the current file queue.
By default, the preload time is specified in RADIO Player Pro "Settings - Program Run Mode".



Playline preload time (sec)
The value of the individual preload time.

Actions before stop

☑ **Start last file from list before stop**
If the sheet is forced to stop, the last file from this sheet will be launched.
Can be used as a closing jingle for a playlist.

☑ **Delete playlist from current line**
Before stopping, all the playlist files will be deleted from the Player.

Autojingles

Autojingle interval

123 − + **Files count after which autojingle will be added**
Specifies the number of files that are lost (of certain types), through which one file will be added from the list of auto-jingles.

☑ **Do not null file counter when autojingle is disabled**
With the option disabled, after detecting a place with the auto-scoring disabled, the interval counter will be reset to zero.
Auto-Jingle with the option disabled will only be inserted for consecutive groups of allowed file types.
With the option enabled, the interval counter will not be interrupted when the auto-jingle is disabled.

Choose autojingle from list

- ◉ **Randomly** - jingles will be selected randomly.
- ◉ **One by one** - jingles will be selected in the order in which they are in the playlist.

Enable autojingles for
Specify the file types for which auto-jingles can be used before and after this type.
For unmarked file types, auto-jingles will not be used.

Disable autojingles before
Specify the types of files before which auto-jingle will be banned.
The setting works only if the next existing file has a different type, only the resolution setting works for the same types.

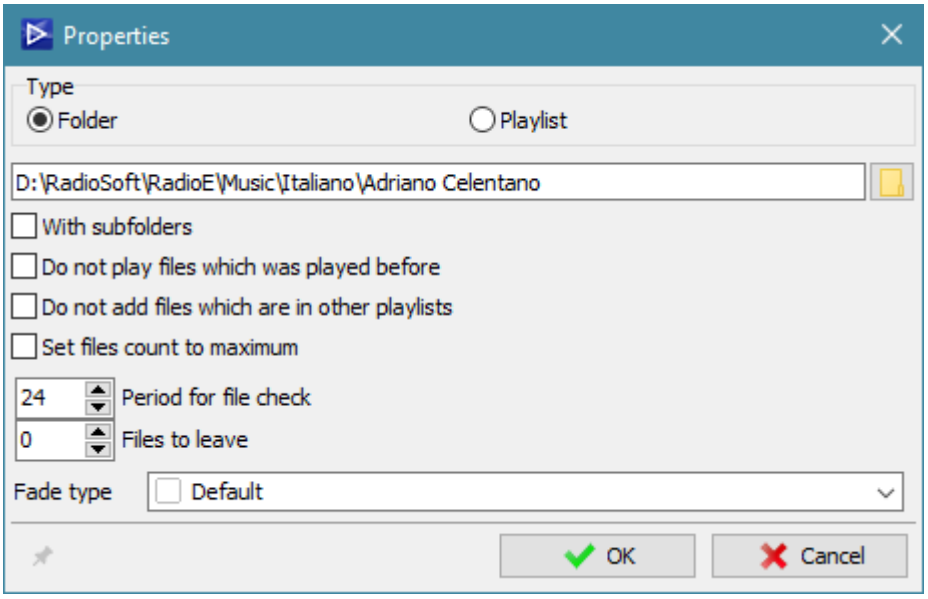
Disable autojingles after
Specify the types of files after which auto-jingle will be banned.
The setting works only if the next existing file has a different type, only the resolution setting works for the same types.

Active autojingle list selection limit

The Player searches for a matching autojingle list within the last 24 hours from the current time. Only lists whose start day is today or "Every day" are considered.

Example: a list starting on Saturday cannot remain the active autojingle for longer than 24 hours — regardless of the configured stop time.

Directory/Playlist Properties



Type

Directory
The contents of the directory will be added.

Playlist
The contents of the playlist will be added.

With subfolders
When you add, you will see subdirectories.

Do not play files which was played before
When generating a list of files, the files that were already lost are not added to the Archive.

Do not add files which are in other playlists
When generating a list of files, files that have been added to other sheets for the specified period will not be added.

Set files count to maximum
Enable in case it is necessary that when you accidentally add files from this directory they do not end until the end of the generation of the playlist.
Files from directories where there are fewer files than others will be added several times.

123 **Period for file check**
The coincidence checking period for the archive and playlists.

123 **Files to leave**
After creating a list of files, it will be reduced to the specified number of files by accidentally deleting unnecessary files.

Fade type
Fade type for files added from this playlist/directory.

Retransmission

Retransmitting fade type
The fade type of the note with its ether.

Retransmitting type

Audio relay
It captures sound from the specified device and plays the sound on the relay device configured in the section Settings - Relay.
When capturing sound, there will be a slight delay, determined by the need to buffer the captured signal.
The operation of the audio detector and the backup mode is supported.

Stream broadcasting
Connects to an external audio stream on the Internet and plays audio on the relay device configured in the section Settings - Relay.
You must specify the address of the streaming server (http (s): // Address: Port).
It supports receiving stream from Shoutcast server in MP3 format.
When connected, there will be a delay, determined by the need for buffering the stream.
The operation of the audio detector and the backup mode is supported.

System mixer
The connection to the controller of the system mixer of the sound card is made to change the volume of the incoming signal. The signal delay is absent or determined by the drivers/characteristics of the sound card.
To operate the audio detector and the mode of the Reserve, you need to specify the correct recording device.

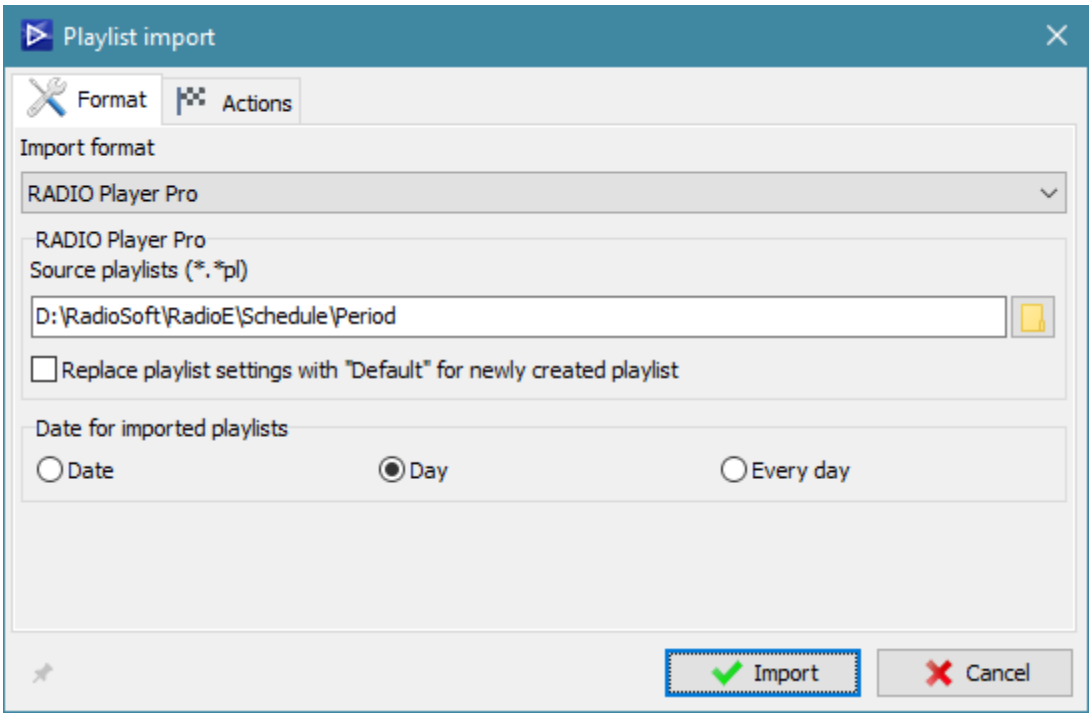
Device
Specify which input signal of which sound card you will use as the relayed signal.

Mixer
Ability to select playback or record.

Fader
A sound card that is used to determine the level of the relay signal and for the operation of the Audio detector and the Backup mode. For some sound cards, it will be different from the relay device.

☑ **Mute line on zero volume**

Playlist import



By importing playlists, you can add new playlists to the list of playlists without the help of file managers or Explorer.

Format

Select the format of playlists.

The source of playlists in the Player format can be the program for generating playlists - RADIO AdsMan Pro and RADIO Rotator Pro or a third-party program. To import ready playlists from a disk or a flash drive, just specify the directory in which the imported playlists are located.
In the specified directory or in subdirectories there must be a list of imported playlists.

Catalog with source playlists (*. * Pl)
The directory in which the imported playlists are located

☑ Replace playlist settings with "Default" for newly created playlist
When you import, all playlist settings will be replaced with the settings for the new playlist in the section Settings - Playlists.

Source file (*.lst)
Specifies a file with playlists to import.

It is possible to use a file name mask to load one or more sheets corresponding to the file mask.
* - any character set
For example: "D: /Import/PlayList*.lst." All sheets with the file name starting with PlayList will be loaded.

Playlist title

Imported playlists will have the specified description.

Destination type
Indicates that a type final playlists.
To specify the settings for starting a final playlist, you need to change the " "Default" properties for a new playlist "For the appropriate type of playlist.

abc **Split to multiple playlists**
Breakdown of daily playlists into separate playlists.
If the option is disabled, the list of files will be imported into one playlist, and if the option is enabled, the schedule will be divided into separate playlists in accordance with the setting.

Abc **Media file extension**
If the playlist does not contain file extensions (*. mp3, *. wav, etc.), you can specify the desired extension for imported files

Abc **Media file directory**
If the playlist does not specify a directory for placing media files, you can specify a directory for the location of imported files

☑ **Import empty playlists**
Import playlists that do not contain files.

◉ **Date for imported playlists**

Actions

Delete existing playlists
On/off deletion of existing playlists has several modes:

☑ **Update file parameters from hard drive**
On/Off updates the duration, tags and other parameters of files from the disk.

☑ **Delete source playlists after import**
On/Off deletion of original playlists after import.

☑ **Show message after import**
On/Off displays the message about the number of imported playlists.

☑ **Check for nonexistent files after import**
On/Off checks for the existence of files for imported playlists after import.

Auto replace

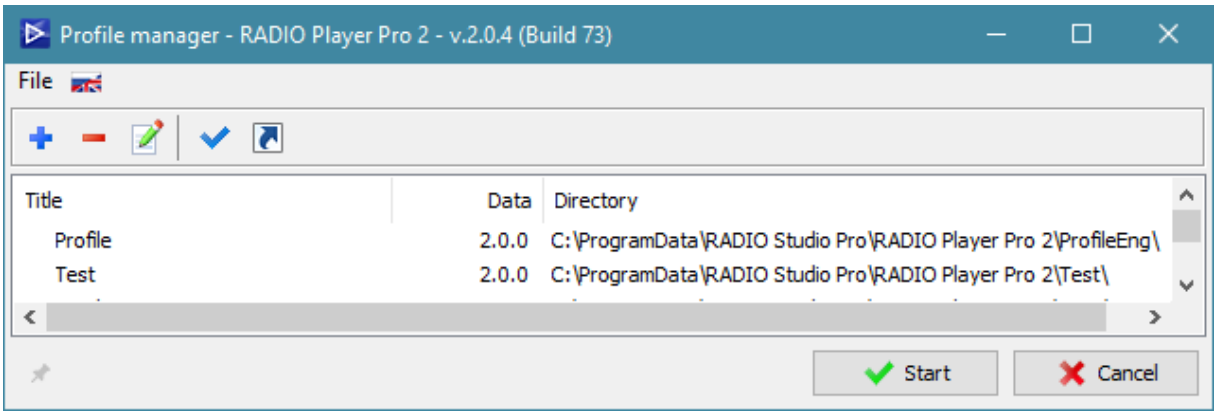
☑ **Use replace rules for file name**
Enable/disable the automatic replacement of file names according to the AutoCorrect list.

Automatic replacement of part of the path to the file after its import.
Used when the directory structure on the terrestrial computer is different from the one where the playlists were created.

Example:

After importing, the files in the playlist have paths D:\Music\MP3*. Mp3, and the files themselves are actually in D:\Efir\Music*. Mp3
Adds the AutoCorrect Rule
***Find: D:\Music\MP3 ***
***Replace with: D:\Ether\Music ***
As a result, after importing the path will be correct.

Profile manager



The Profile Manager is designed to create multiple profiles that allow you to run the program with a certain set of predefined parameters.
Each profile stores its data in the directory specified for the profile.
Start the profile manager is possible through the Start menu - All Programs - RADIO Studio Pro - RADIO Player Pro - Profile Manager.

Create new profile
Create a new profile.
The profile created with the "Default" parameter is used when the program is started without specifying the profile directory.

Delete profile
Delete the profile directory.

Edit profile
Change the name and directory of the profile.

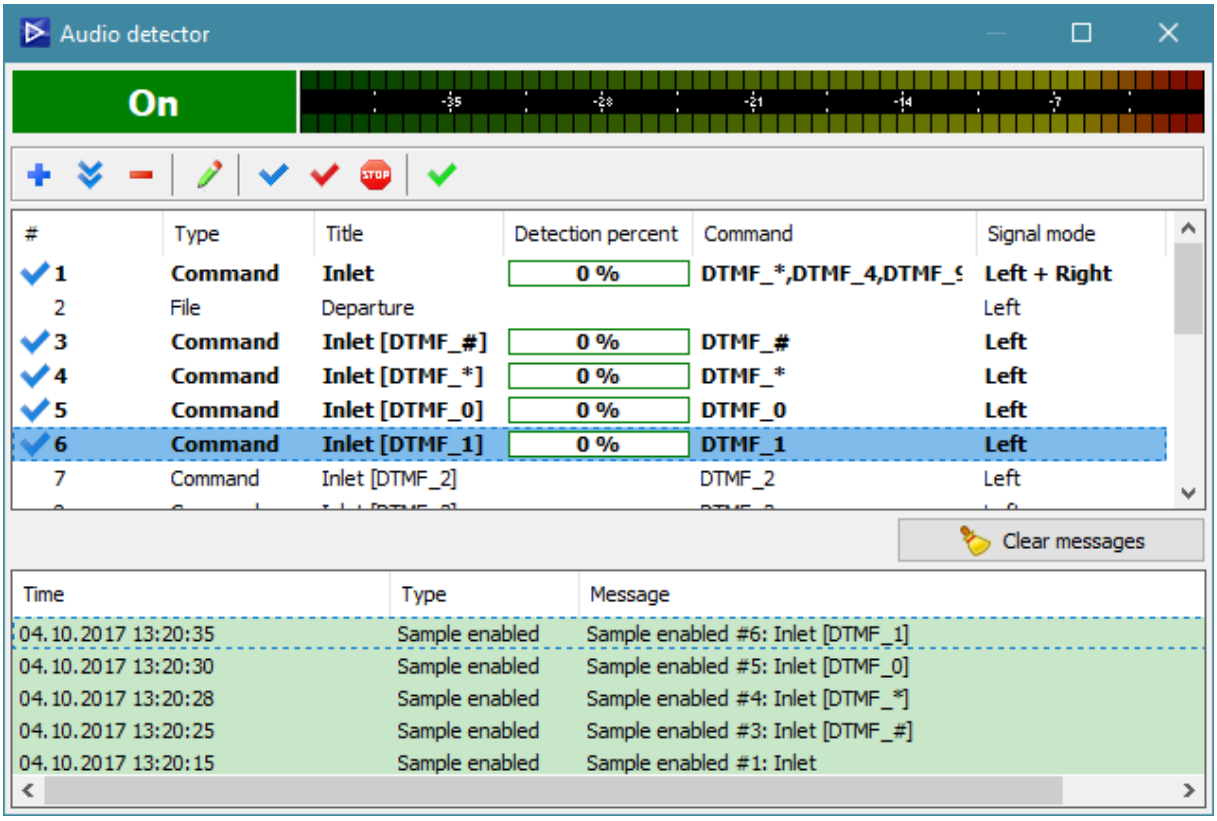
Use as default profile
Run the program with the selected main profile.

Create desktop link to start selected profile
Create a shortcut for the selected profile on the desktop.
It allows a number of shortcuts to start the program with the appropriate profile.
You can start the program with a certain profile manually with the parameter/Data = Profile_Profile.
Example: Player.exe "/ Data = D:\Profile_Folder \"

Start
Run the program with the selected profile.

Cancel
Closing the profile manager.

Audio Detector (DTMF)



Samples

Add a sample
Adding a sample. The dialog opens Sample properties.

Create a set of test commands for checking frequencies
One sample per each frequency command is created for the purposes of determining the determination.

Delete sample
Delete selected samples from the list.

Sample properties
Edit sample.

Enable sample
Enable selected samples.

Disable sample
Disable selected samples.

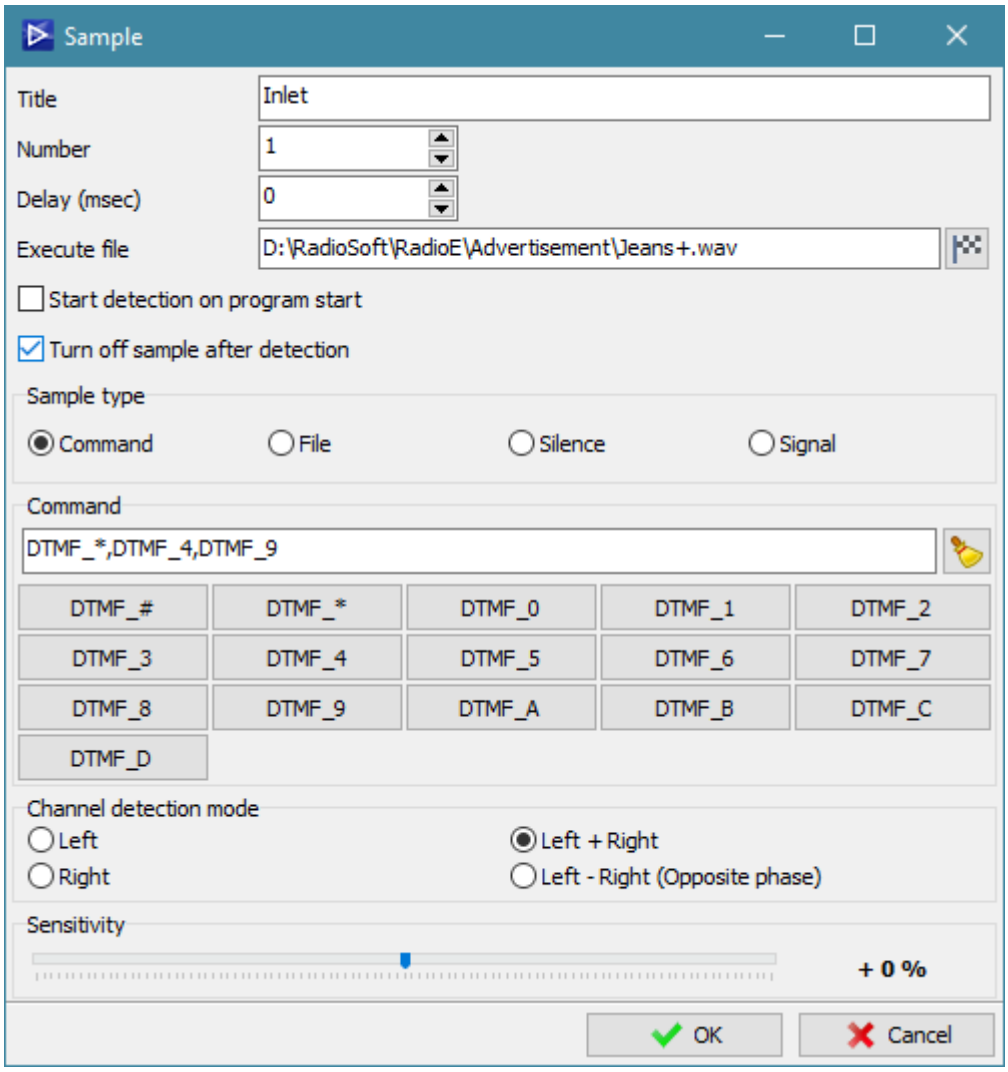
Disable all samples
Disable all samples.

Emulate sample detection
Perform actions similar to the actual finding of a sample.
You can use it to test the launch of playlists without actually determining the samples.

Messages

When you enable/disable samples, find samples, errors, the program leaves entries in the message list.
To clear the current message log, you can use the "Clear Messages" button.

Sample properties



Creating samples

Creating a sample of the "Team" type

The creation of a sample is to determine the sequence of frequency commands.
Let's consider an example of creating a sample, to determine the DTMF.
Creating your own samples from alternative sets of frequency commands differs only in the values and the number of frequencies.

The program has a list of pre-configured DTMF commands that can be used to compose DTMF sequences. Information on the DTMF standard is located in the section Audio Detector (DTMF).

If you know the sequence code of the DTMF commands received from the headend, you can simply enter it in the sample properties, if not, then you can independently determine which sequence is used.

VARIANT 1. Determination by means of a test set of samples

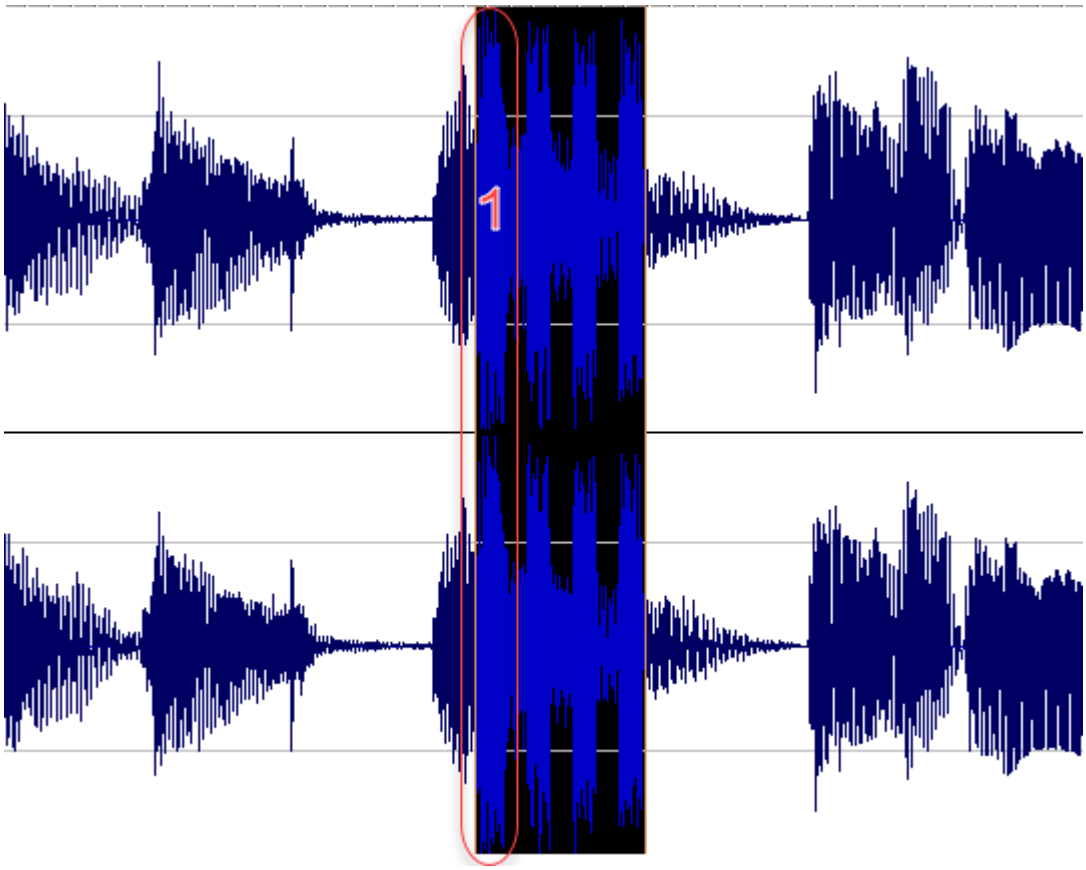
Create a set of test commands for checking frequencies. For this there is a button  in the list of samples.
Run the recognition of all created samples.
When DTMF code is passed, the program will show you the sequence of the defined DTMF commands.

NOTE: This method can show false command definitions.
It is better to run the definition at the moment just before the DTMF appears in the signal.

OPTION 2. Definition using a spectrogram

You can determine which sequence is used by running the spectrum analyzer in the sound editing program (for example, Sound Forge), and see which of the frequency pairs form a DTMF command, and then determine which sequence of DTMF commands is used.

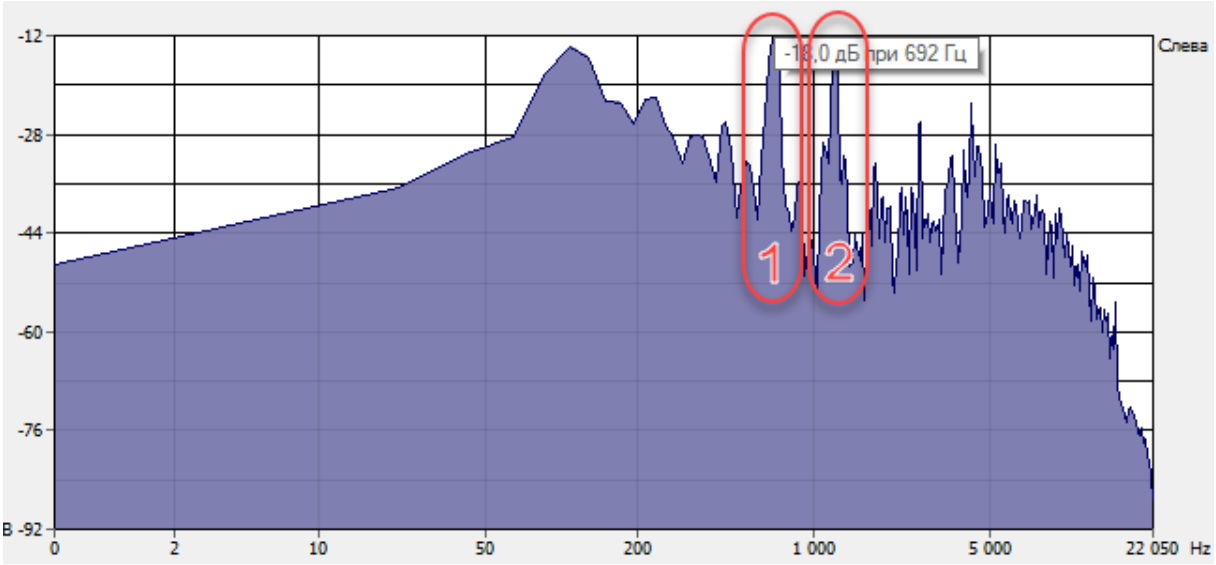
The signal recorded in the station's broadcast, containing 4 consecutive DTMF tones, looks like this



Select the signal segment under number 1 and start the spectrum analyzer.
We include a logarithmic scale for greater clarity.

ATTENTION!!! You do not need to allocate all the segments at once, so you do not define individual commands, because all frequencies from all segments will be displayed on the spectrum at once.

The spectrum shows two peak frequencies. Having brought up a mouse, it is possible to see what frequency corresponds to the peak.



Using the DTMF table, we get the value of the first DTMF command. For our example this is: 697 Hz 1207 Hz = 1.
In the list of commands this will be the command DTMF_1.
Further we make all the same operations for the remaining signals, sequentially selecting each of them.
As a result, the obtained sequence of four tones is recorded in the properties of the sample.

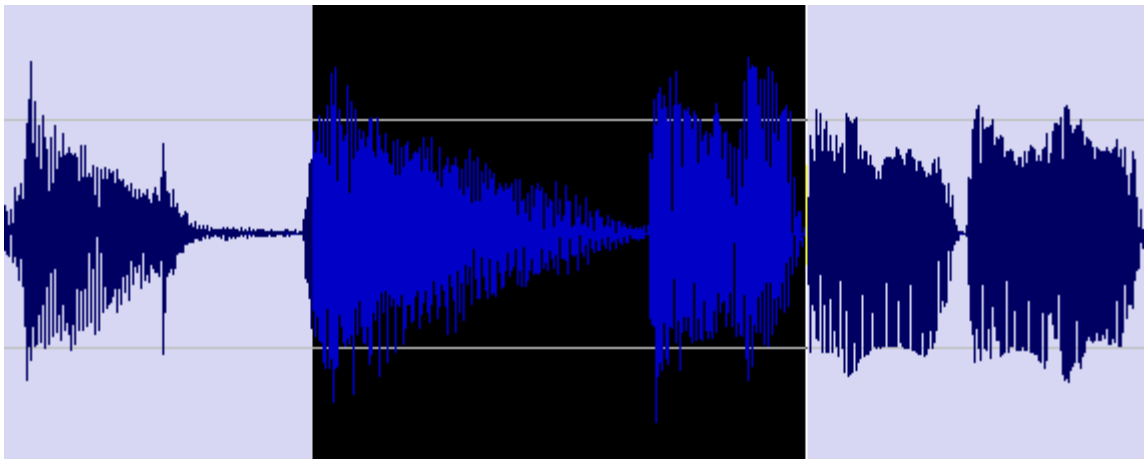
Create a sample file of type.

You can create a sample file in any program intended for audio processing.
The process of creating a sample is important, because From it and the accuracy of the determination will depend.

There are several recommendations, compliance with which will allow you to create a quality sample.

1. Record the signal, best on the sound card that will be used sample for recognition. It is desirable to have a high, but not off-scale level of the incoming signal.

2. The sample should begin with a characteristic sound of high amplitude. Samples that start with noise can potentially lead to either false positives or problems with the beginning of the sample determination. Note this when editing the recorded signal.
Example of sample selection by the characteristic sound of high amplitude.



3. In a number of cases, it is possible to normalize the sample file to increase the amplitude.

Pause

Playback pause dialog. Displayed when playback is paused.

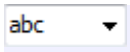
Buttons

Start (Space)
Resume playback. Hotkey: Space.

Stop (Esc)
Stop playback. Hotkey: Esc.

Start Jingles

Jingle launch method selection window. Allows you to set the launch method for all hot files at once.



Start method for all
Select the launch method to be applied to all jingles in the list.

Information

File types

File type (Priority) means the ability of the playlist to interrupt the currently playing playlist.

If the playing playlist has priority lower than the started one, the playing playlist will be interrupted and a new playlist with a higher priority will be launched, if on the contrary, the playlist to be launched will be added to the current queue below, according to its priority.

Types of playlists in order of priority. 1 - the lowest, 7 - the highest.

Registration of the program

Limitations of the demo version

Before registration, RADIO Player Pro runs in demo mode.
After the license is acquired, all restrictions are removed.
Information on purchasing a license is available here.

In the demo version, there are several limitations

1. Ability to create no more than 10 playlists.
2. There is no way to create playlists for a particular day or date.
3. No more than 10 jingles assigned to the keys.

Other functions of the program are presented in full.

License

Acquisition of a license

Current information on the cost and procedure for obtaining a license is on our website.

Contact Information

E-mail:

Technical support:
support@radiosoft.pro

Licensing Department
license@radiosoft.pro

Sites:

Homepage
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