

stream24 Webcasting KG

Kapellenweg 1 B
91077 Neunkirchen am Brand
Deutschland

☎ Telefon +49 (0) 911 - 13 13 36 30

✉ Email info@stream24.de

🌐 Web www.stream24.de

Software datasheet #MAIRLIST (for Windows PCs)



Broadcasting / Streaming web radio with
mAirList Radio Automation

Rev. 2.0 - 15.02.2019

Rev.	Author	Approval	Comments/configuration
1.0	A. Bardonski 24.11.2012	K. Werner 27.11.2012 Dr. T. Weibert 28.11.2012	mAirList Player Home v4.2 on Windows 7 Home Premium (64 Bit)
2.0	A. Bardonski 15.02.2019		Complete revision mAirList Standard Edition v6.1.9

Introduction

mAirList Radio Automation enjoys great popularity among terrestrial radio stations as well as on the Internet among web radio producers.

The software includes many functions that enable the automated broadcasting and professional operation of your radio station.

mAirList supports MP3 live streaming to Icecast as well as Shoutcast v1 / v2 servers. There are several editions of this automation software. We limit ourselves to the scope of functions of the "Standard Edition".

Step by step we will show next how you can use this program to create your own radio program.

1. Software download and installation

1.1 Download mAirList Radio Automation for installation

Follow this link:

<https://www.mairlist.com/en/download/?ref=stream24PDF>

Download the current version (file: mAirList -...- setup.exe), start the installation process and select "Create a desktop shortcut" during setup:

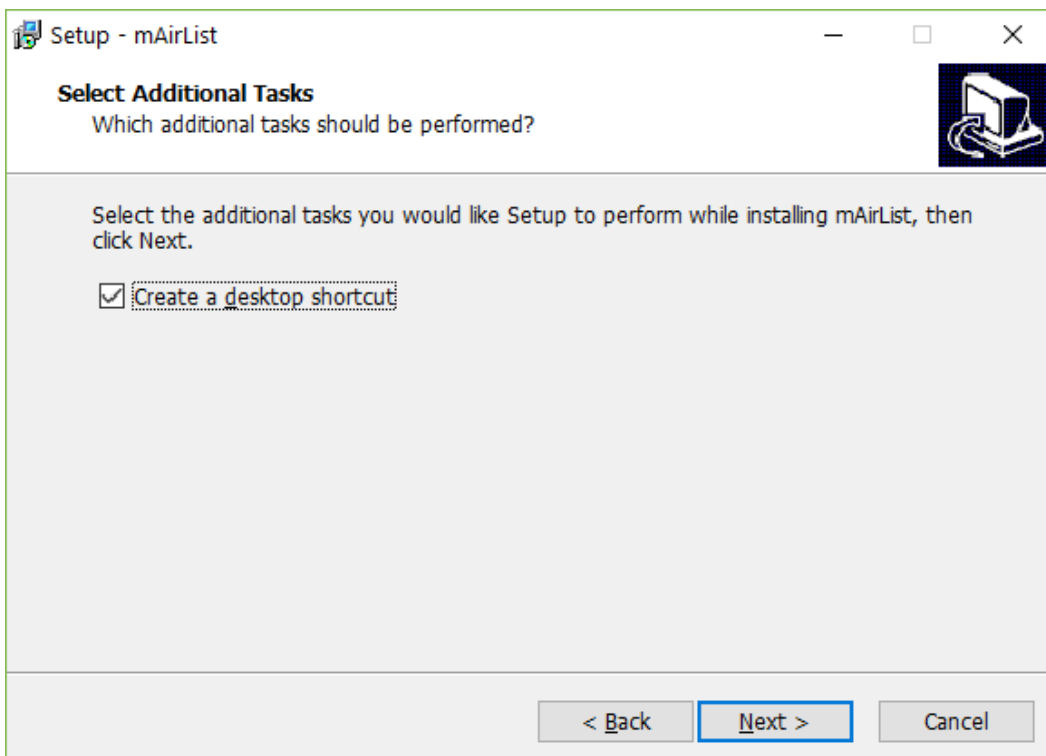


Fig. 1: mAirList Setup | Installation

1.2 Complete mAirList installation

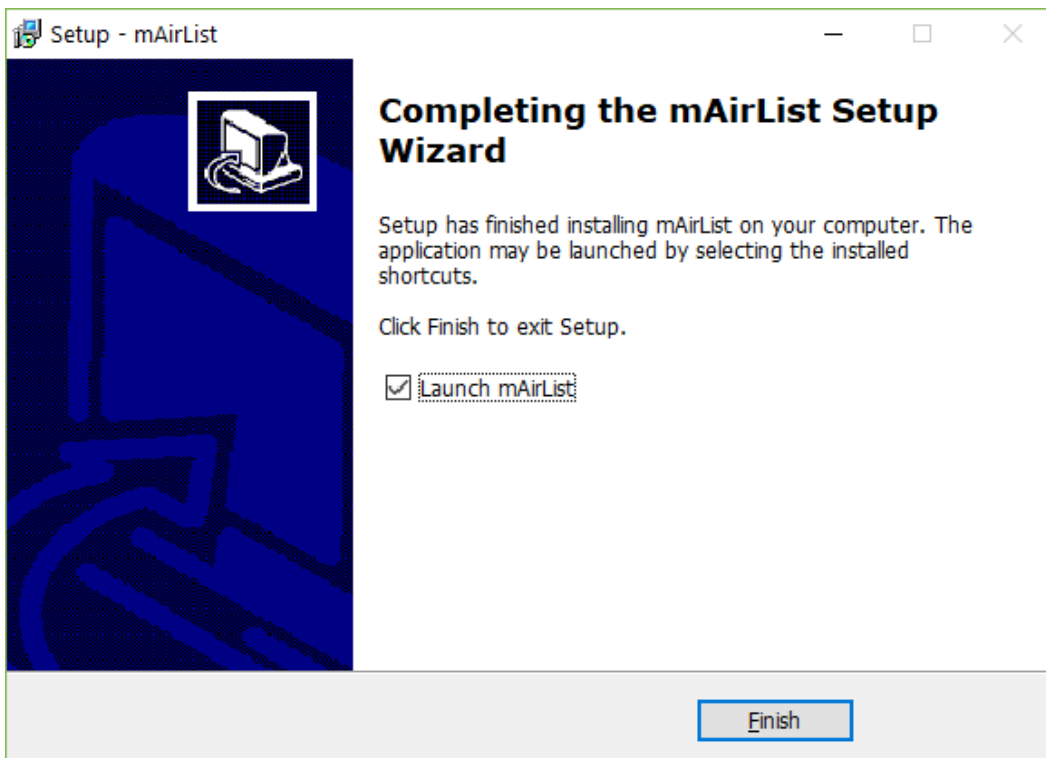


Fig. 2: mAirList Setup | Setup assistant

1.3 Don't start mAirList yet

To add graphical elements to the interface, the main mAirList Windows must be closed. So, at this step: → **Exit**.

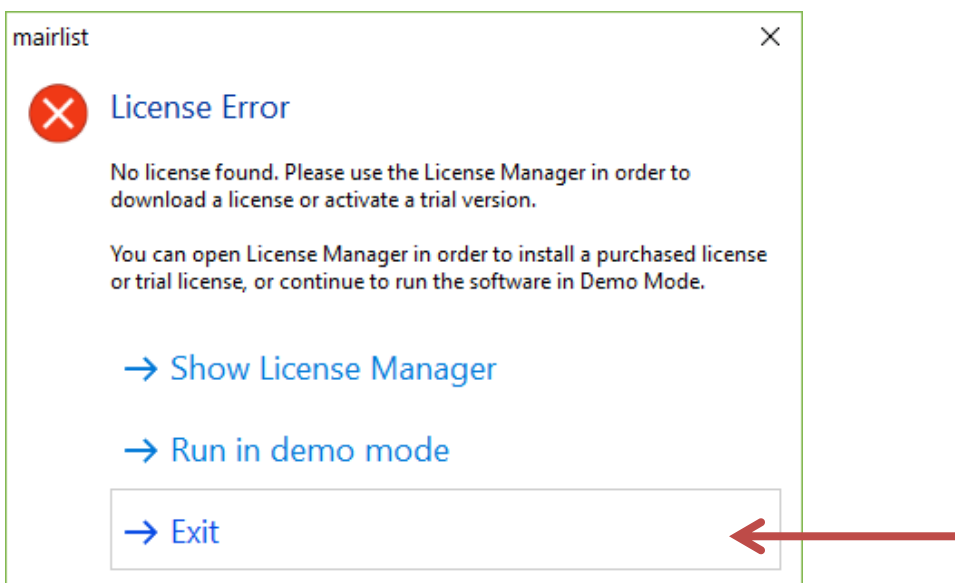


Fig. 3: mAirList | Start window

2. mAirList basic configuration

2.1 mAirList program / app directory

Navigate via the Windows start menu (lower left corner of the screen) to the mAirList program folder and start the "Configuration":

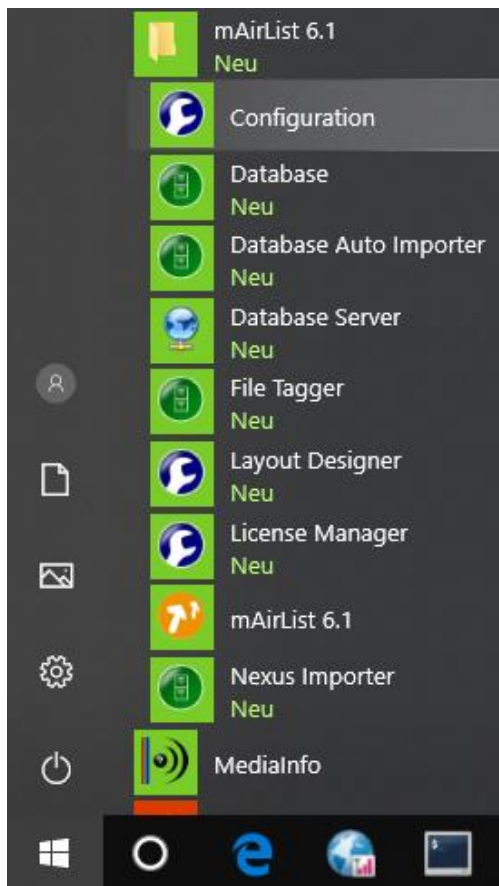


Fig. 4: Section Windows start menu

2.2 Configuration of audio devices

First, open the settings for "Audio Devices" and make the following preselection as mentioned in the image and instructions below:

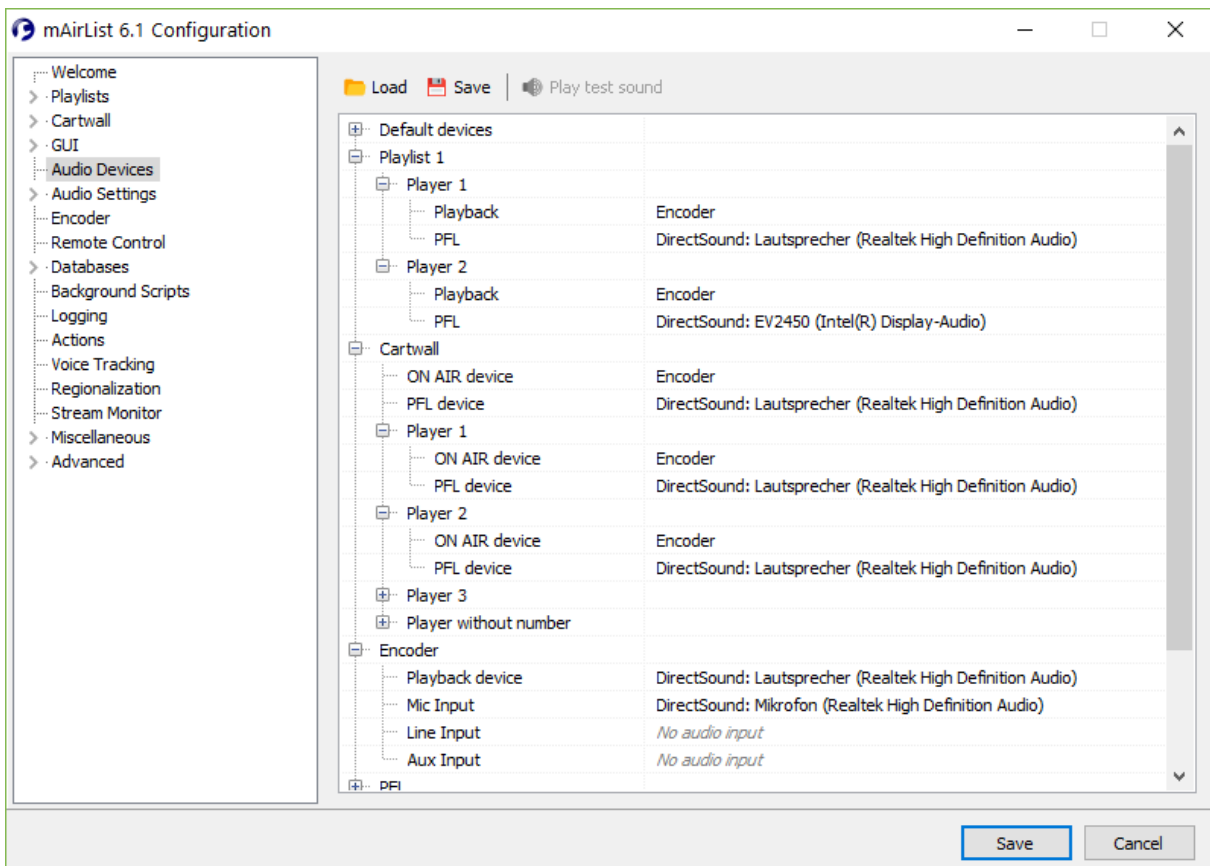


Fig. 5: mAirList configuration | Audio Devices

The settings here are necessary for the player and cartwall outputs to be passed to the encoder.

- Playlist 1
 Player 1 → Playback: **Encoder**
 Player 2 → Playback: **Encoder**
- Cartwall
 On-Air-Gerät: **Encoder**

 Player 1 → On AIR device: **Encoder**
 Player 2 → On AIR device: **Encoder**
- Encoder
 Playback device: *your soundcard output for playback (speakers/headphone)*

 Mic Input: *your soundcard input for microphone*
 Line Input: *No audio input*

2.3 Configuration of GUI-elements

Go next to the menu item "GUI" and add under "Screen Objects" the "Streaming encoder status":

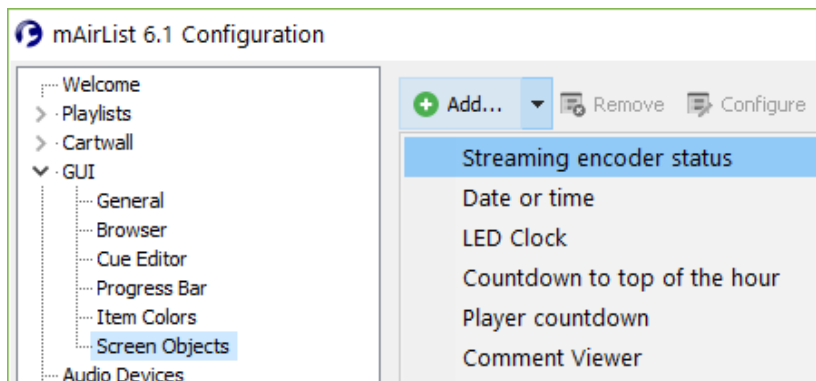


Fig. 6: mAirList configuration | GUI

Then select the following two options:

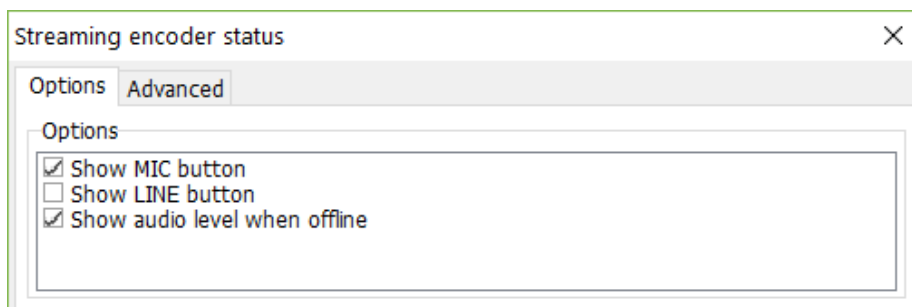


Fig. 7: mAirList configuration | Streaming encoder status

[Apply] & [OK]

2.4 Setup of the encoder

We continue the configuration and set up now the MP3 encoder for your streaming server, with stream24 it is an Icecast:

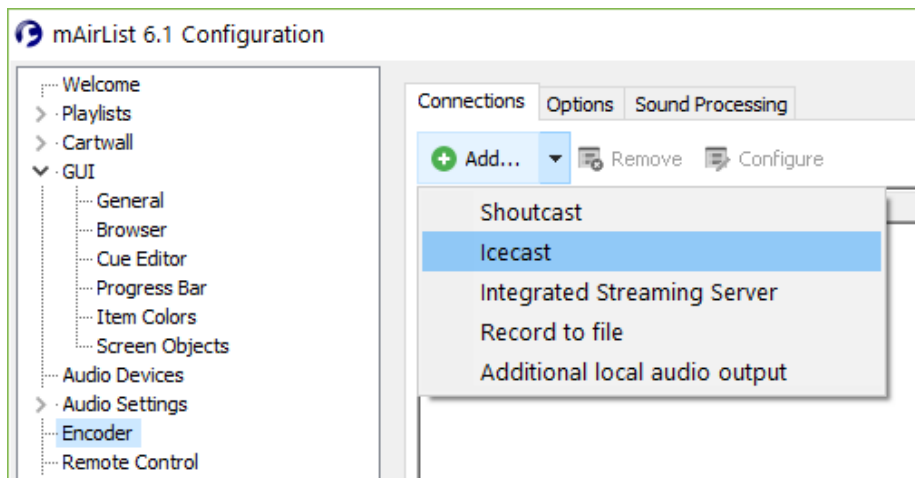


Fig. 8: mAirList configuration | encoder connections

- Tab “Connections” → Add “Icecast”

Another window opens which we present on the next page.

2.4.1 Enter of server data

Configure Encoder Connection

Server Metadata Sound Processing Advanced

Connection Parameters

Host name or IP: rs1.stream24.net

Port: 8100

User (optional): source

Password: ●●●●●●

Mount point: /live.mp3

Stream Format

Audio Format: MP3

Bit rate: 128

Mode: joint stereo

Encoder options:

Settings

Seconds between connect attempts and checks: 5

Seconds before trying to re-establish a lost connection: 10

Retrieve listener count 30

Do not stream, only count listeners

OK Apply Cancel

Fig. 9: mAirList configuration | server data

- Enter your individual stream data in the fields **Host name or IP**, **Port**, **Password** and **Mount point**.

Your personal stream24 server data can be found in the customer area under "Server administration | Server configuration".

- For the area **Stream Format** accept the values shown above: MP3, 128, joint stereo.

[Apply] & [OK]

2.4.2 Enter metadata

Then change to the "Metadata" tab:

Configure Encoder Connection

Server Metadata Sound Processing Advanced

Stream Metadata

Title: Radio Sunshine

URL: http://your-website.com

Genre: Various

Description:

AIM:

IRC:

ICQ:

Stream is public (list in directories)

Title Update

Log Format: %a - %b
(leave empty to disable title update)

Delay (seconds): 0 Charset: Automatic

Item Type Filter:

- (not set)
- Music
- Voice Track
- News
- Weather
- Traffic
- Advertising
- Package

OK Apply Cancel

Fig. 10: mAirList configuration | metadata

- For **Title** enter the name of your web radio.
- Under **URL** you can enter the address of the radio homepage, not forgetting **http://** or **https://** at the beginning.
- **Genre**, this is where you can specify the kind of music of your radio.

[Apply] und [OK]

2.4.3 Microphone signal options

On the tab "Options" the following settings must be done:

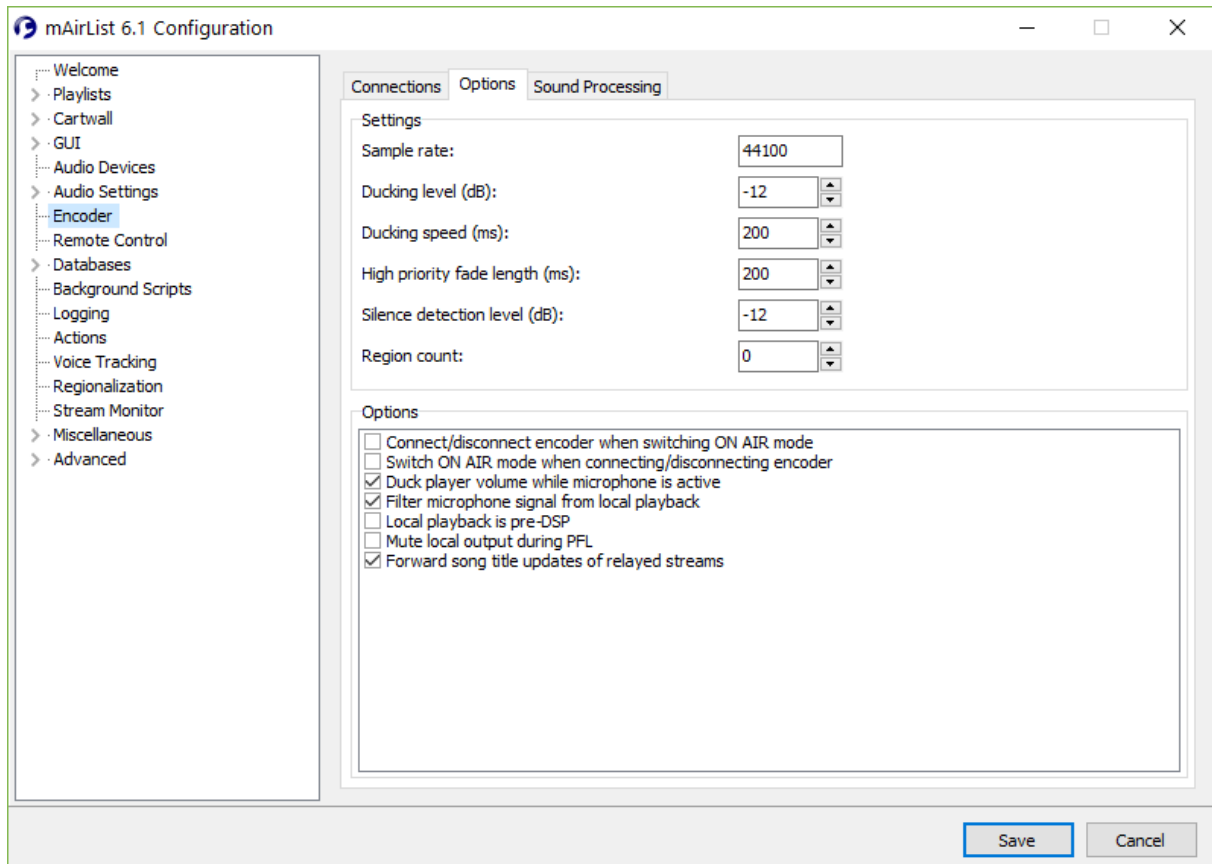


Fig. 11: mAirList configuration | encoder options

- [x] Duck player volume while microphone is active
- [x] Filter microphone signal from local playback

[Save] and quit configuration area

3. Start broadcasting

3.1 Run mAirList

Start mAirList Radio Automation („→ Run in Demo-mode“) over the icon on the desktop and you will get the following window:

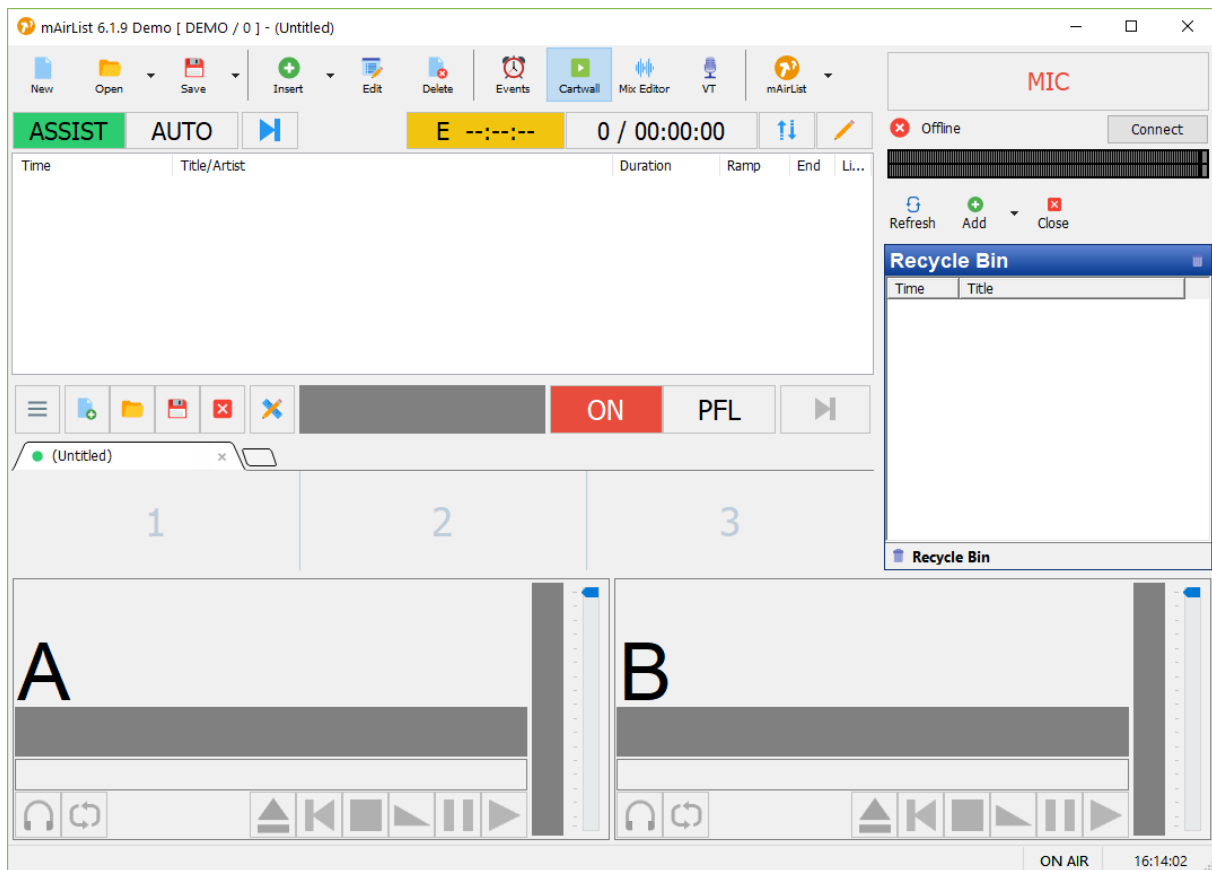


Fig. 12: mAirList | main program window

3.2 Loading music tracks into playlist

Click on “Insert” and next on “File(s)” to look for some songs on your local hard disk and load them to the current playlist:

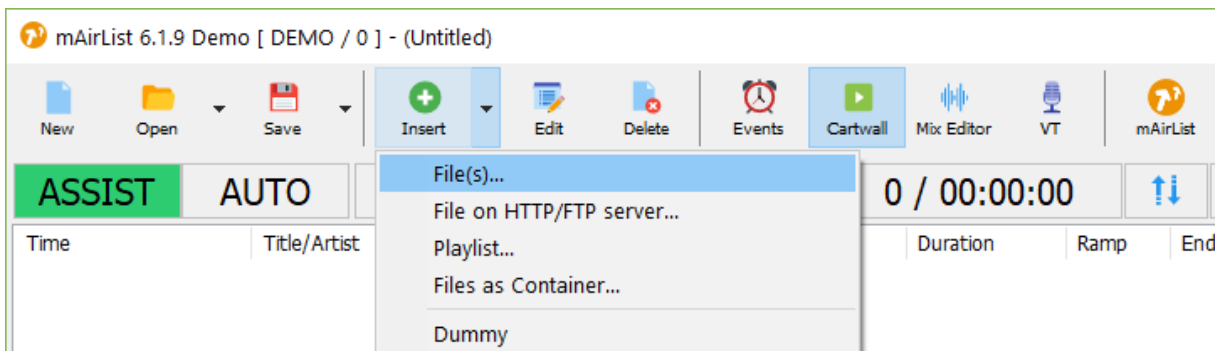


Fig. 13: mAirList | section top navigation bar

3.3 Start music playback

Activate the AUTO mode with a mouse click and start the playback as well:

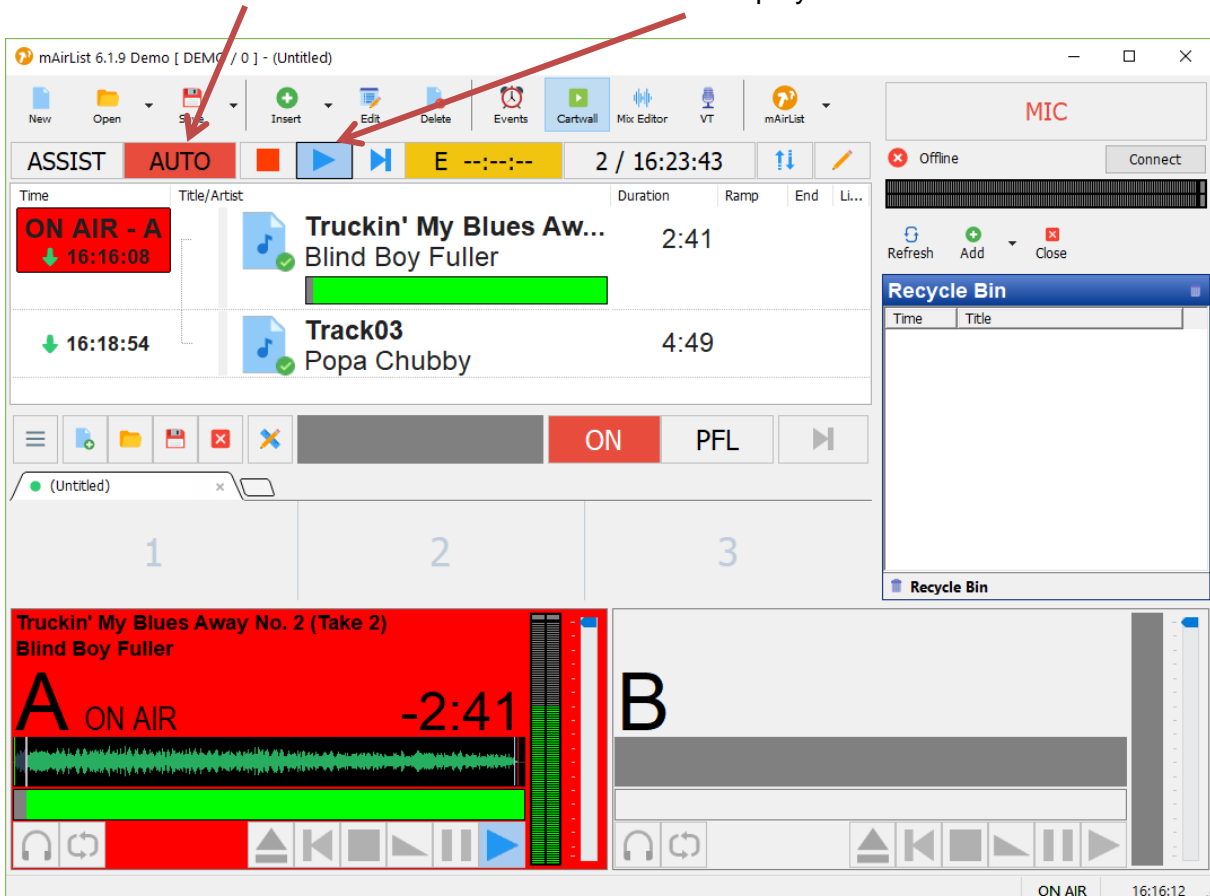
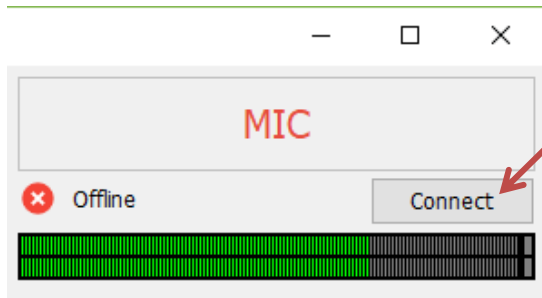


Fig. 14: mAirList | playlist & decks

The music plays. you should be able now to hear it on your headphones or over the speakers.

3.4 Stat the live stream



Upper, right window corner:
Click on [Connect] to change the stream status from offline to online.

Fig. 15: Section encoder status

Congratulations - you're broadcasting!

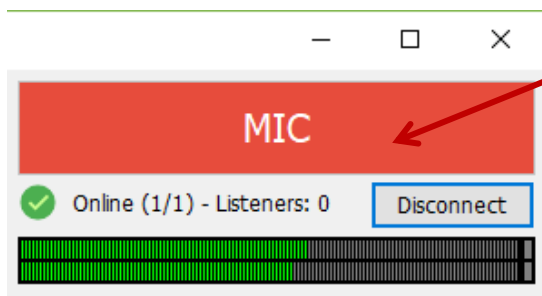
You will get error messages at the bottom in the taskbar if you have entered wrong server data (e.g. bad password).

16:21:26: Error connecting to streaming server rs1.stream24.net:80/live.mp3: access denied (invalid password) (BASS error 2100)

Fig. 16: section error taskbar

Please note: there can always only be one encoder connected with the server at the same time. If the server is already busy, no other DJ (whether a live DJ or the Auto-DJ) can broadcast simultaneously.

3.5 Live moderating / use of microphone



Click on [MIC]. The background changes to red, so your microphone is now active and the music volume is lowered. Start your moderation!

Important! After each talking, click [MIC] again to turn off the microphone and to raise the music volume back.

Fig. 17: Section microphone activated

Note: In the basic configuration presented here the microphone settings has been set in that way that your moderation is not audible for monitoring purposes via speakers or headphones. (See parameters on page 10)

4. Tips and Tricks

4.1 Broadcasting operation

During live broadcasts with moderation we recommend to monitor the music playback always on your headphones and not over loudspeakers. Otherwise unsightly feedback/howl may occur while speaking.

4.2 Volume of microphone - sound processing amplification

If your listeners perceive your voice as too quiet, try to raise the level for the microphone input.

Return to the mAirList configuration and go to "Encoder" section. Here select tab "Sound Processing" and proceed to the sub tab "Mic Input" and add here the "Amplification":

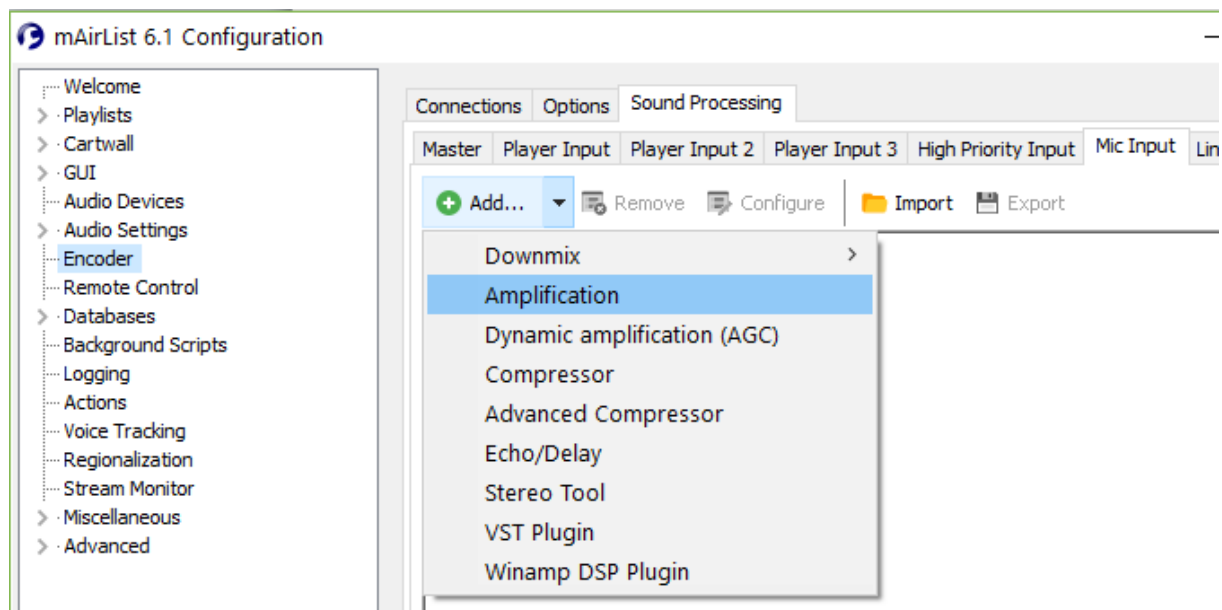


Fig. 18: mAirList configuration | sound processing - Mic Input

And enter in the next window e.g. volume 3,0 dB:

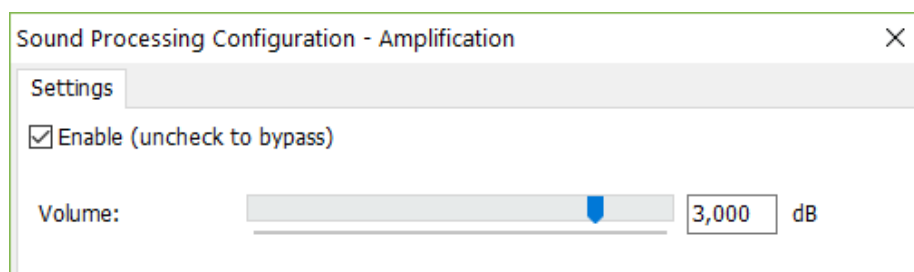


Fig. 18: mAirList configuration | Sound processing - Amplification

[Apply] / [OK] / [Save]