

stream24 Webcasting KG

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Software datasheet #SAMBC (for Windows PCs)



Broadcasting / Streaming web radio with
SAM Broadcaster (PRO)

Rev. 2.0 - 14.02.2019

Rev.	Author	Approval	Comments/configuration
1.0	A. Bardonski 03.11.2011	K. Werner 05.11.2011	SAM Broadcaster v4.9.2 (Firebird Edition) on Windows 7 Home Premium (64 Bit)
2.0	A. Bardonski 14.02.2019		Complete revision SAM Broadcaster PRO v2018.10

Introduction

SAM Broadcaster is one of the most popular radio automation programmes for webcasters in the world. The software includes many functions that enable the automated broadcasting and professional operation of your web radio station.

SAM Broadcaster supports Shoutcast, Shoutcast2, Icecast and Windows Media Server. There are also numerous encoders that can generate a live stream in mainstream audio formats: MP3 and aacPlus (HE-AAC).

We cannot go into any special features or extended functions of SAM Broadcaster in this tutorial. We will show step by step below how you can go on air with SAM Broadcaster and your new streaming server.

1. Software Download und Installation

Follow this link:

<https://spacial.com/download-sam-broadcaster>

You need the PRO version to use your own stream server.

After registration you will receive an e-mail with the download link.

Please download the software (sambc-fb.exe) and install it with all pre-defined components:

- SAM Core Files
- Shortcuts
- FireBird Server

You can then proceed to the next step and page.

2. Set up SAM Broadcaster PRO for the first broadcast

2.1 Complete installation

The first time you launch SAM Broadcaster (e.g. via the icon on the desktop) you will be prompted to install a database to complete the setup.

Install the recommended **FireBird** database system and then accept all default settings which will be specified in the next windows.

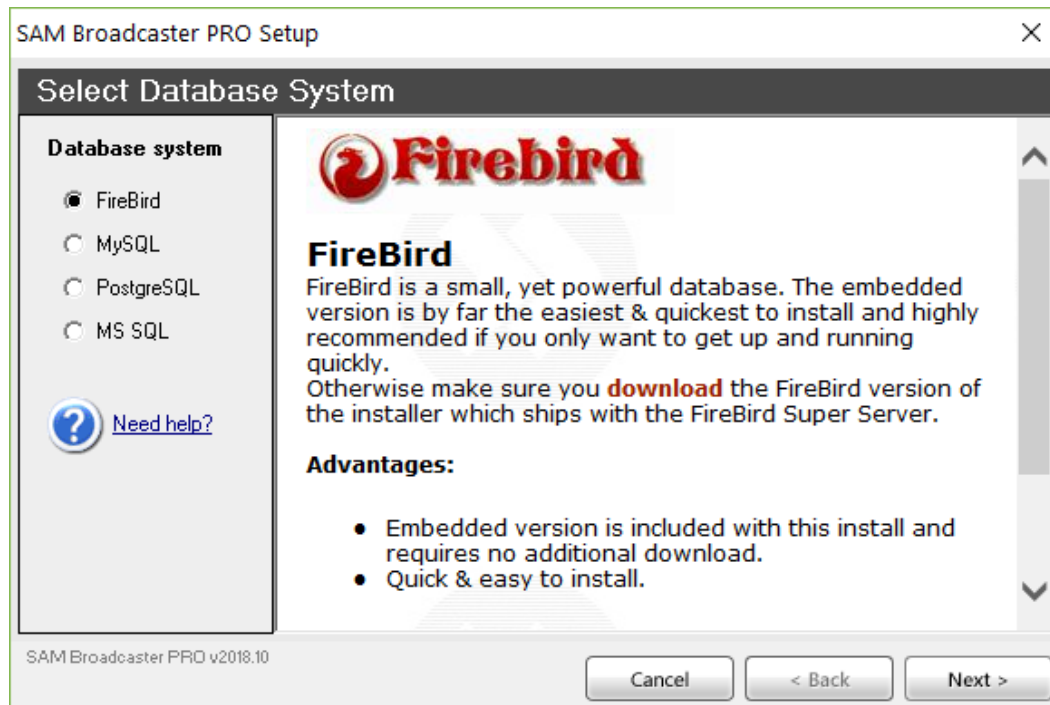


Fig. 1: Install Firebird database

That's all, the installation has been finished!

2.2 Configure SAM Broadcaster PRO

Upon completion of the installation, you will get the following main window as desktop A:

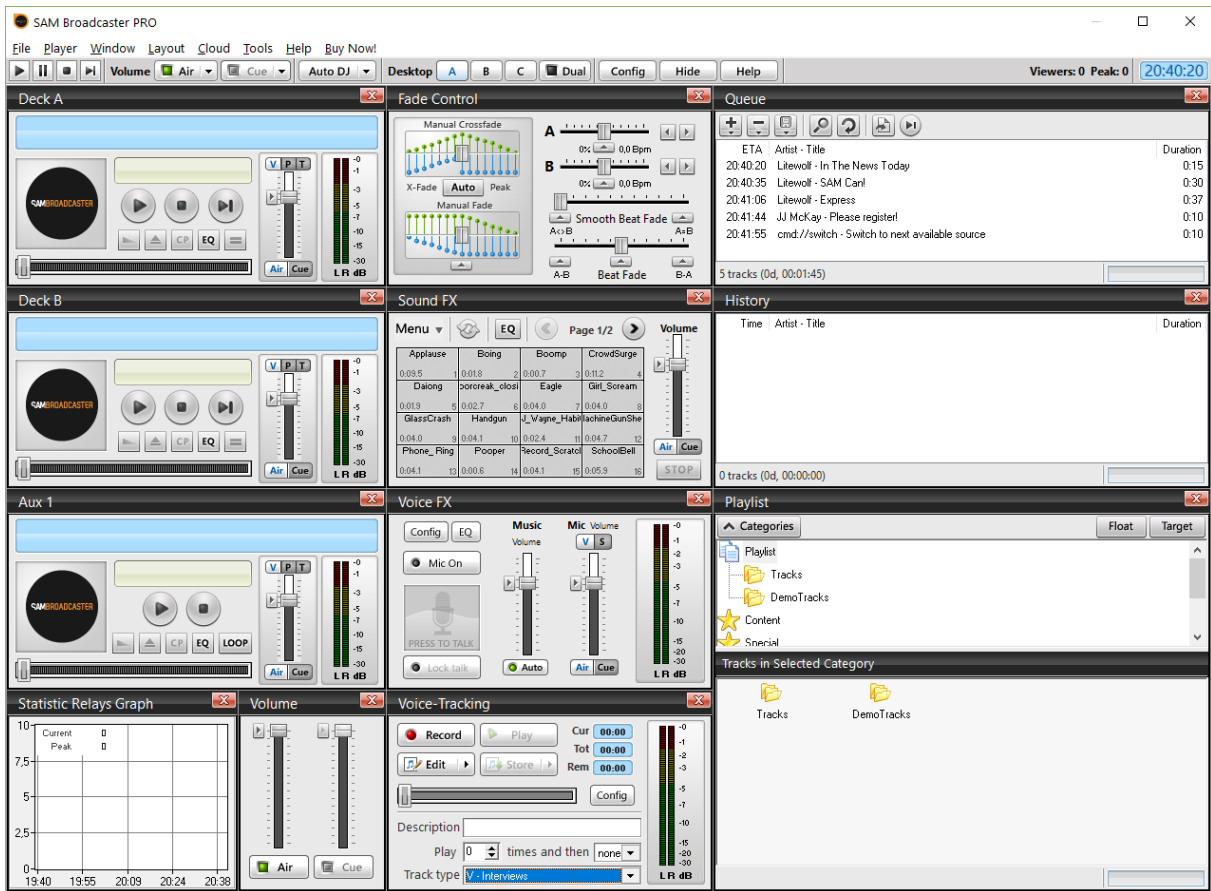


Fig. 2: SAM Broadcaster (Desktop A)

Change to desktop B:

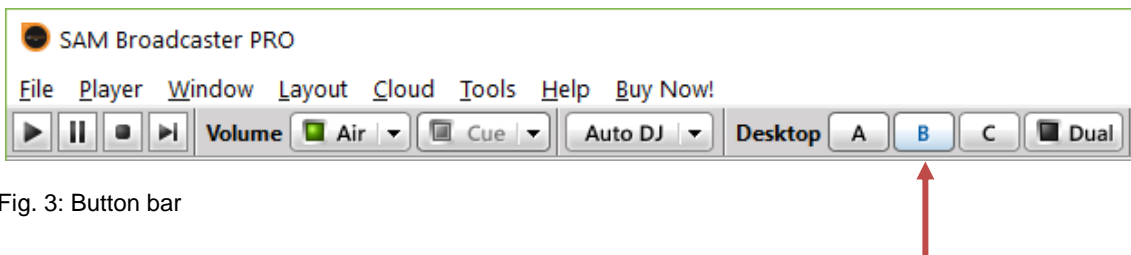


Fig. 3: Button bar

2.2.1 Add encoder

Now in the module window „Encoders” the MP3-encoder will be added, click on the [+] button:

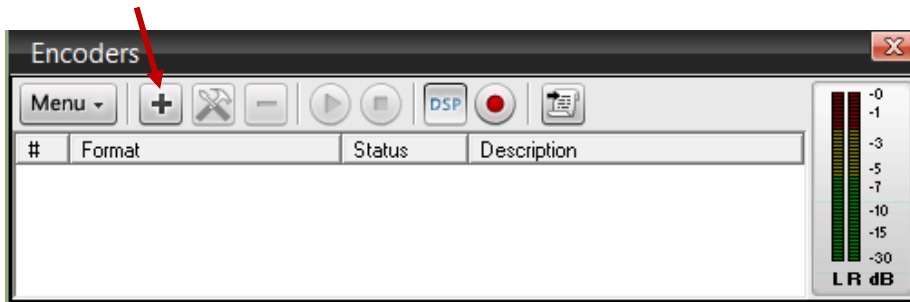


Fig. 4: Encoders module (Desktop B)

Select here the **MP3 (LAME_ENC)** plug-in:

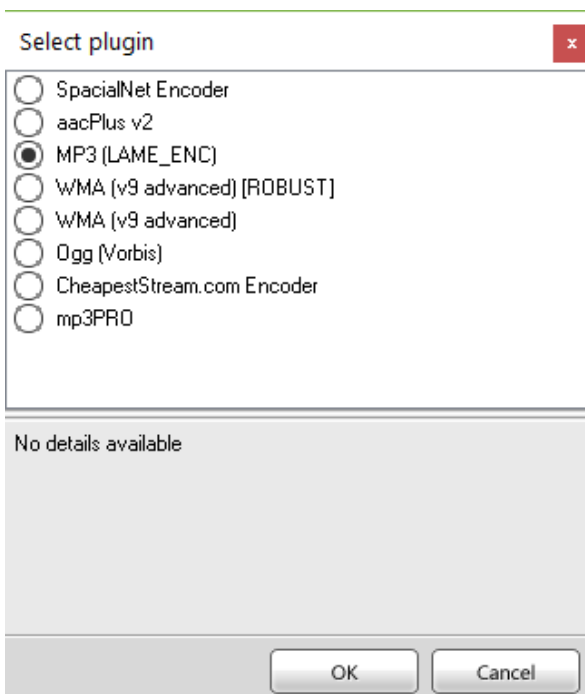


Fig. 5: Encoder plug-in select

➔ Continue with [OK]

2.2.2 Configuration of MP3-encoder [Converter]

In the „Converter” tab, the codec parameters (bit rate, mode, sample rate) are specified. Here with us: 128/44 stereo.

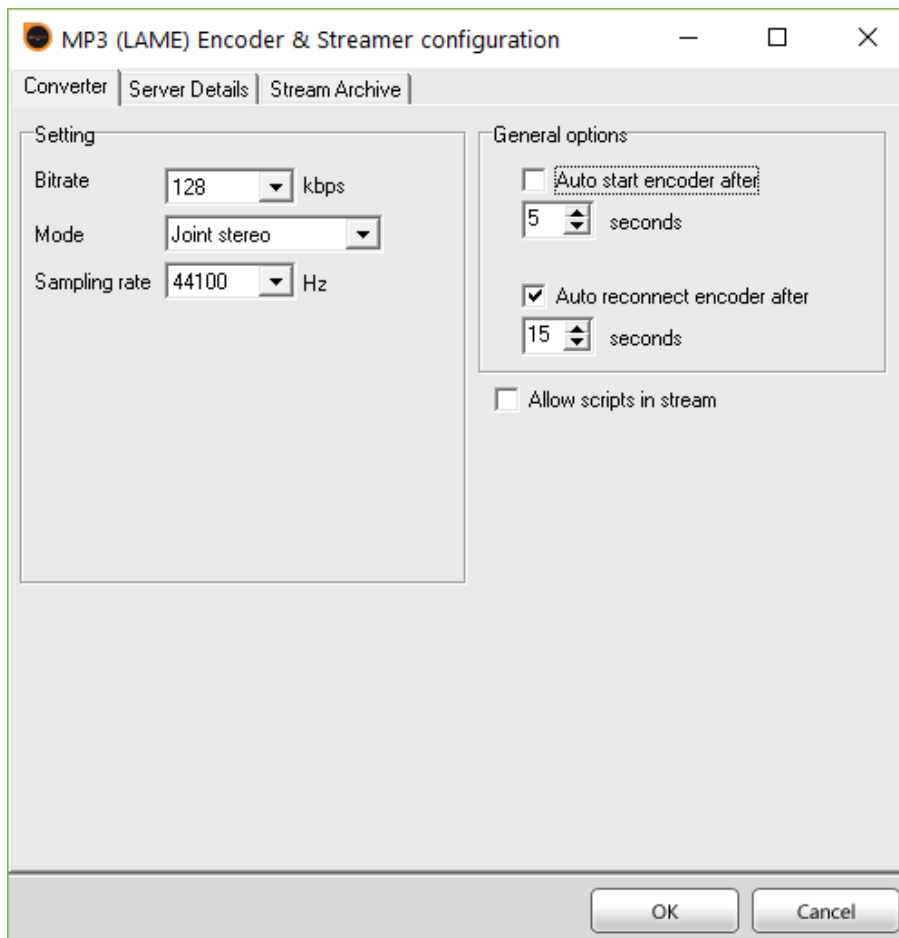


Fig. 5: MP3 LAME Encoder - Converter

Please take over the recommended basic settings in the image above and change the „Server Details”.

2.2.3 Stream server data [Server Details]

In the tab „Server Details” the server parameters are entered. You will find **your personal server data** in the customer area under „Server Administration | Server Configuration”.

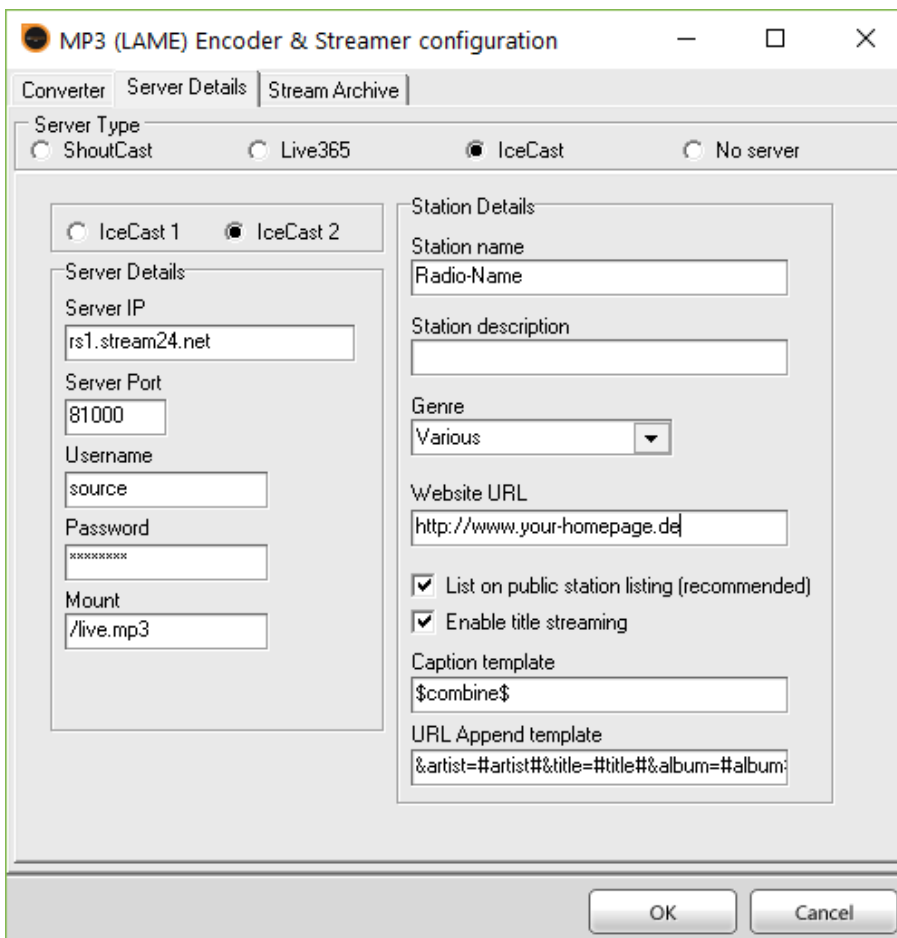


Fig. 6: MP3 LAME Encoder - Server Details

- Select IceCast and IceCast 2 as **server type** and enter for **Server IP**, **Server Port**, **Password** and **Mount** your individual server data provided by stream24. The **Username** is optional and always: „source”.
- **Station name**: name of your web radio and/or the DJ.
- **Station description**: this field can be left blank.
- **Genre**: this is where you can specify the kind of music.
- **Website URL**: the Internet address of your homepage; please do not forget to put **http://** or **https://** at the beginning of the URL.

Click on [OK] to apply the settings and close the configuration window.

The MP3-encoder is embedded now, you should see the following entry:

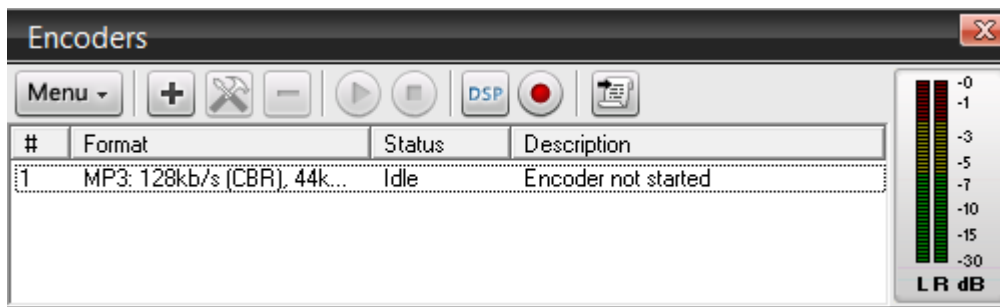


Fig. 7: Encoder module with installed MP3-encoder (Desktop B)

3. Get on the Air

3.1 Preparing music files (→ Desktop A)

Switch back to desktop A using the top button bar and add some songs from your local hard disk to the so-called **Queue** list:

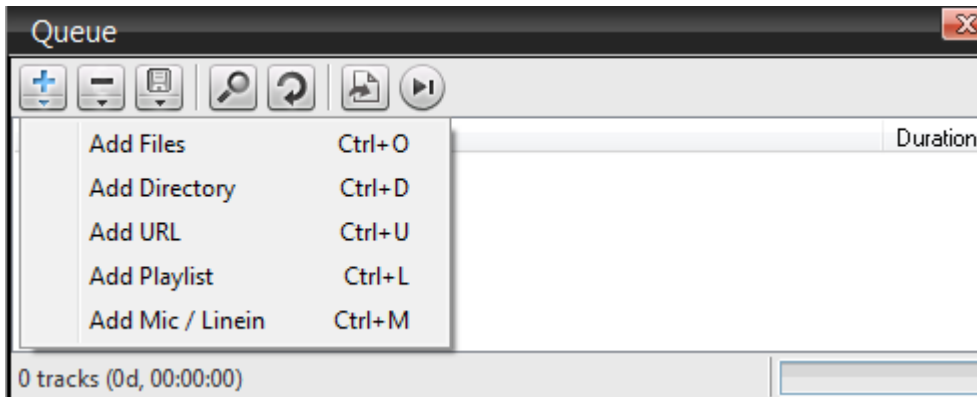


Fig. 8: Empty queue module (Desktop A)

→ Add Files / Add Directory

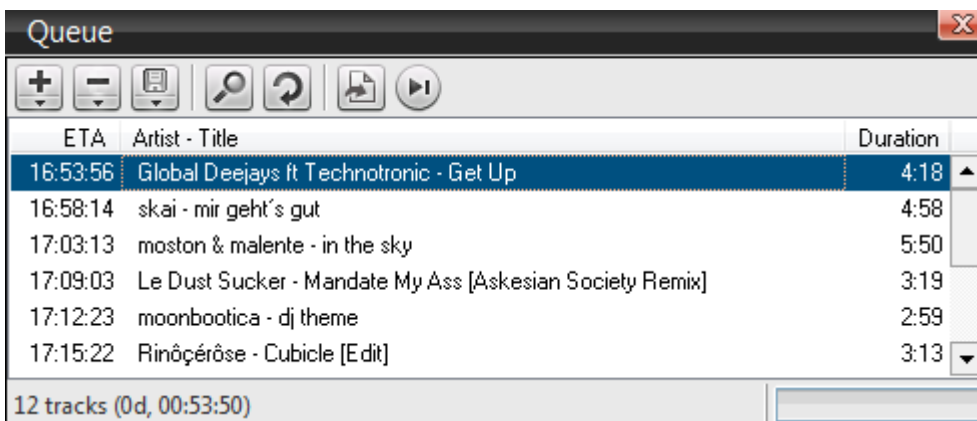


Fig. 9: Queue module with some songs

3.2 Playback method Queue

Set the play mode from „Auto DJ Mode“ to „Play Queue“:

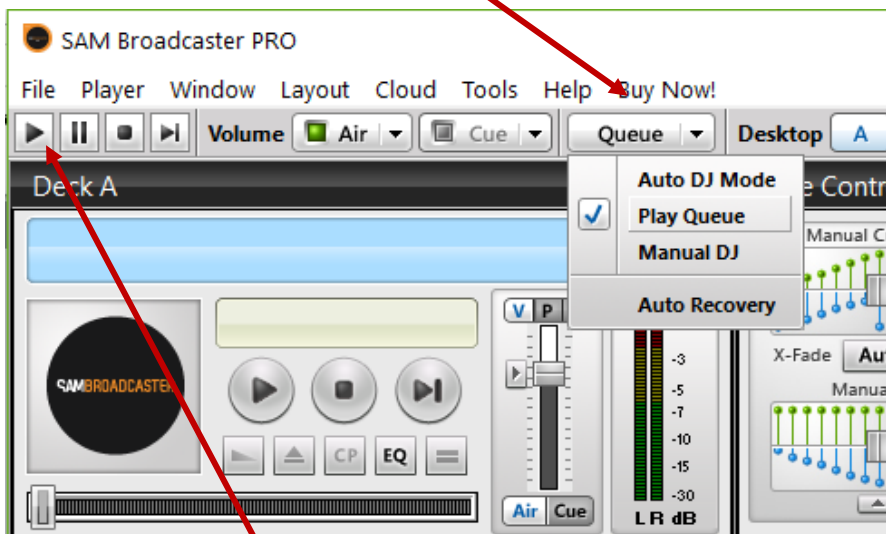


Fig. 10: Play Queue Modus Auswahl

Now click on the [Play] button to start the first song in Deck A.

The music is playing, you should now be able to hear it on the headphones or over the speakers.

3.3 Start encoder and live stream (→ Desktop B)

Wechsle zum Encoders-Modul auf Desktop B:

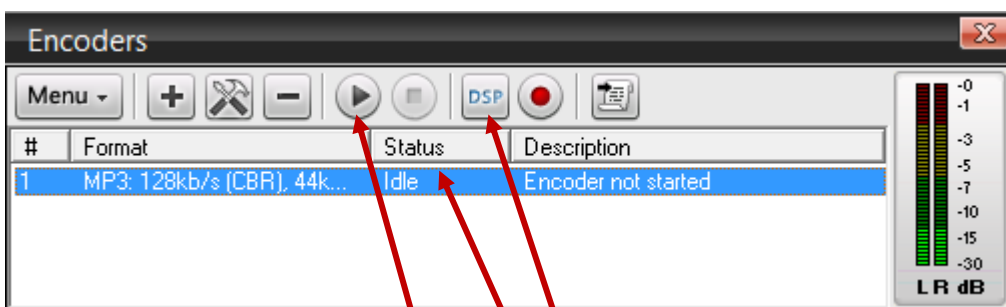


Fig. 11: Start MP3-encoder

1. Activate the DSP-Button
2. Single click on the installed encoder line to select this encoder for the start.
3. Start the encoder process.

If the connection to the server was successful, you will see how the encoder starts to count the broadcasting time and the amount of data transferred in the „Description” column.

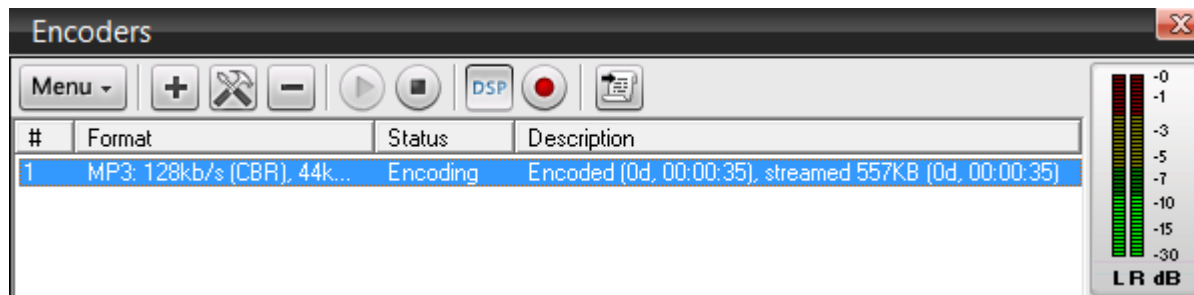


Fig. 12: MP3-encoder in operation

Congratulations - you're on the Air!

4. Error messages / FAQ

- Encoder error message: Invalid server password
You receive the error message: 'Invalid server password' if you have entered the password wrongly. (page 7)
- Encoder error message: Disconnected 10061
The error code 10061 indicates that the stream server is unreachable. Most common cause: The server is not turned on.

→ Check the customer area, the LED status must be green, not black.
- Only one simultaneous encoder connection is possible
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.