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## Software datasheet #SAMCAST (for Windows PCs)



Radio live stream feed/ingest with  
**SAM Cast (Simple Cast)**

Rev. 2.0 - 16.02.2019

Rev.	Author	Approval	Comments/configuration
1.0	A. Bardonski 04.11.2011	K. Werner 06.11.2011	SAM Cast v3.4.0 on Windows 7 Home Premium (64 Bit)
2.0	A. Bardonski 16.02.2019		Complete revision SAM Cast v2018-10

## Introduction

SAM Cast - also known under its previous name 'SimpleCast' - uses encoder software from Spacial Audio Solutions.

SAM Cast reads in real time from the line-in input of the soundcard, in which the audio signal is supplied from the master output of the mixer or the radio automation system.

The application supports Shoutcast, Shoutcast 2, Icecast and Windows Media Server. There are also many encoders that enable a live radio stream in mainstream audio formats: MP3 and aacPlus (HE-AAC).

Below we show you how you can convert, using SAM Cast, the audio signal feed to the PC into a live stream format and broadcast to the streaming server.

### 1. Software download and installation

Follow this link:

<https://spacial.com/sam-cast/?ref=A392>

Download the FREE TRIAL version and install it with all preselected components. Then you can proceed to the next step and page.

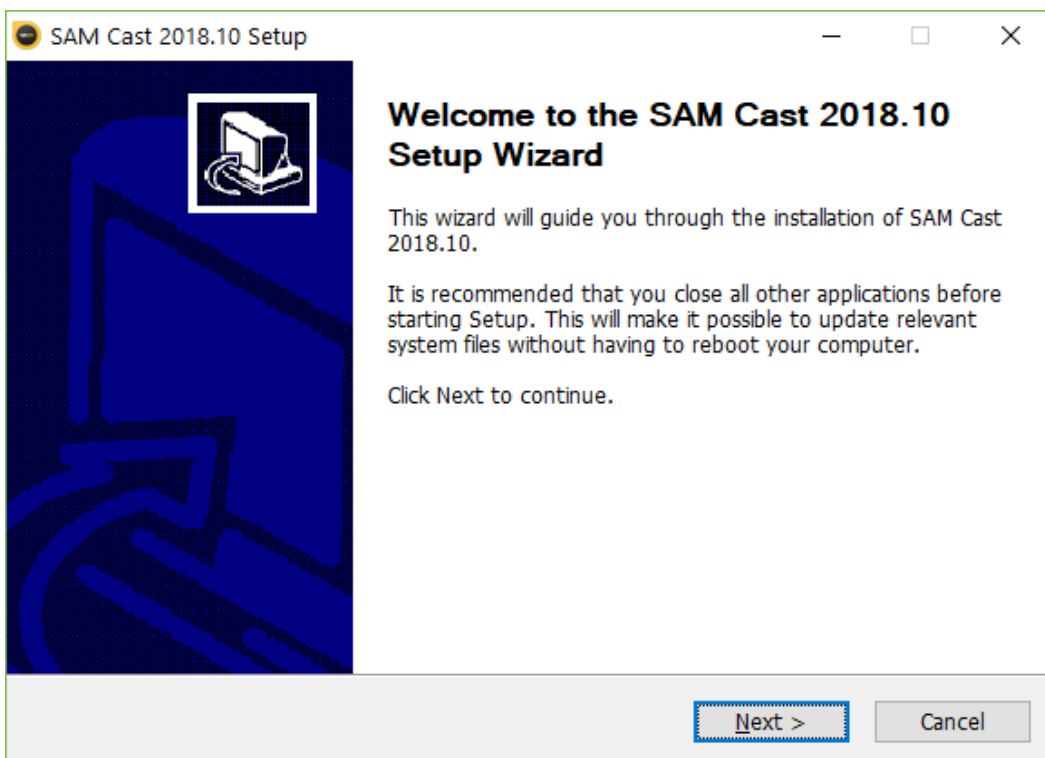


Fig. 1: SAM Cast | Installation

## 2. SAM Cast configuration

### 2.1 Run SAM Cast

Start SAM Cast and you will get the following window:

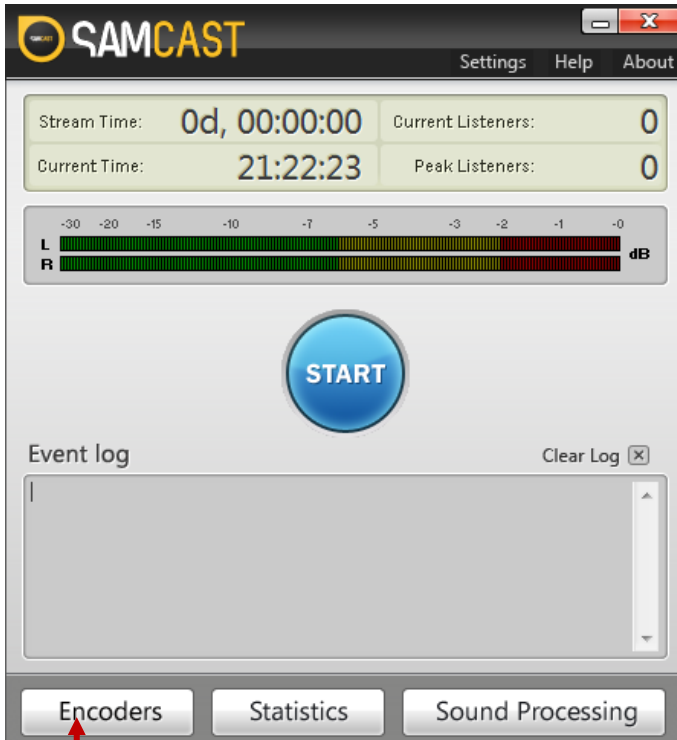


Fig. 2: SAM Cast start

### 2.2 Encoder addition and setup

SAM Cast is made from individual modules. Clicking on [Encoders] opens another module window:

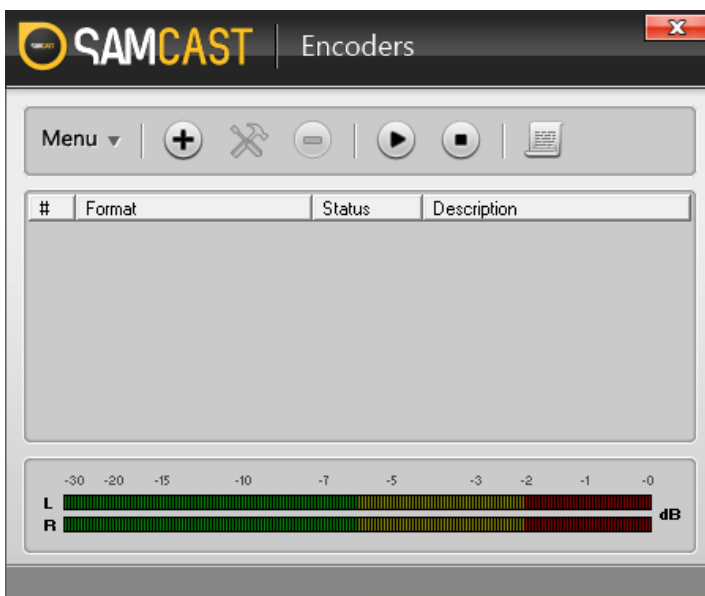


Fig. 3: SAM Cast Encoders

### 2.2.1 MP3-encoder

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

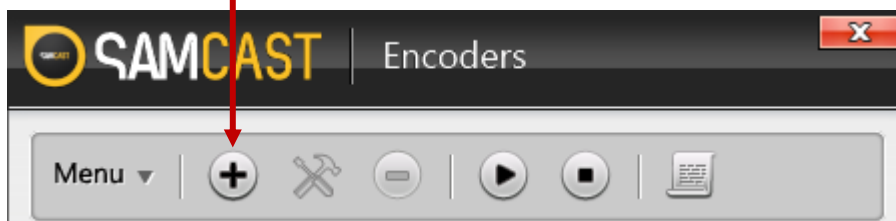


Fig. 4: Encoders module

Select here the **MP3 (LAME\_ENC)** plug-in:

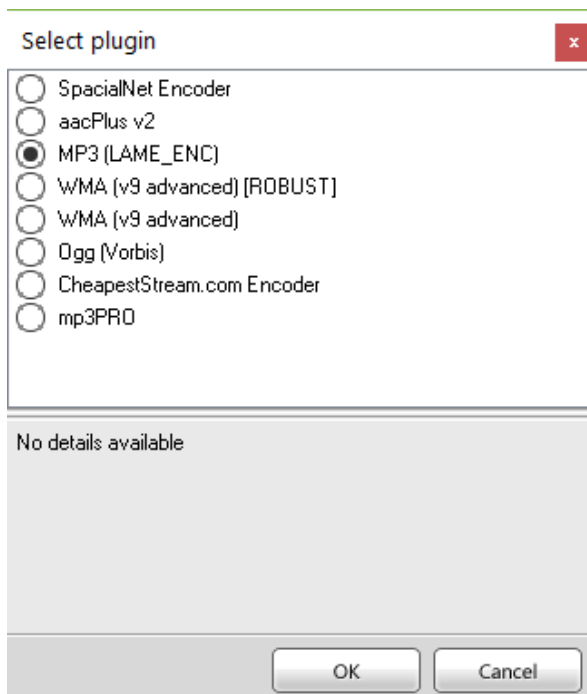


Fig. 5: Encoder plug-in select

➔ 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.

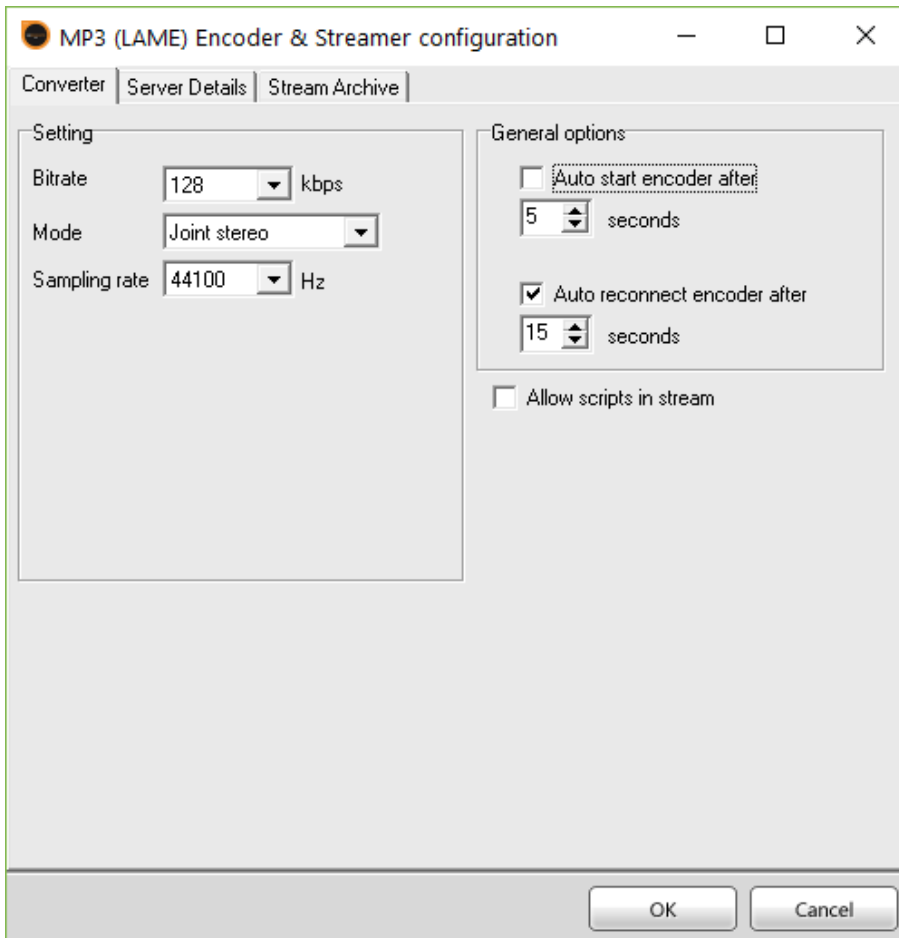


Fig. 6: MP3 LAME Encoder - Converter

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”.

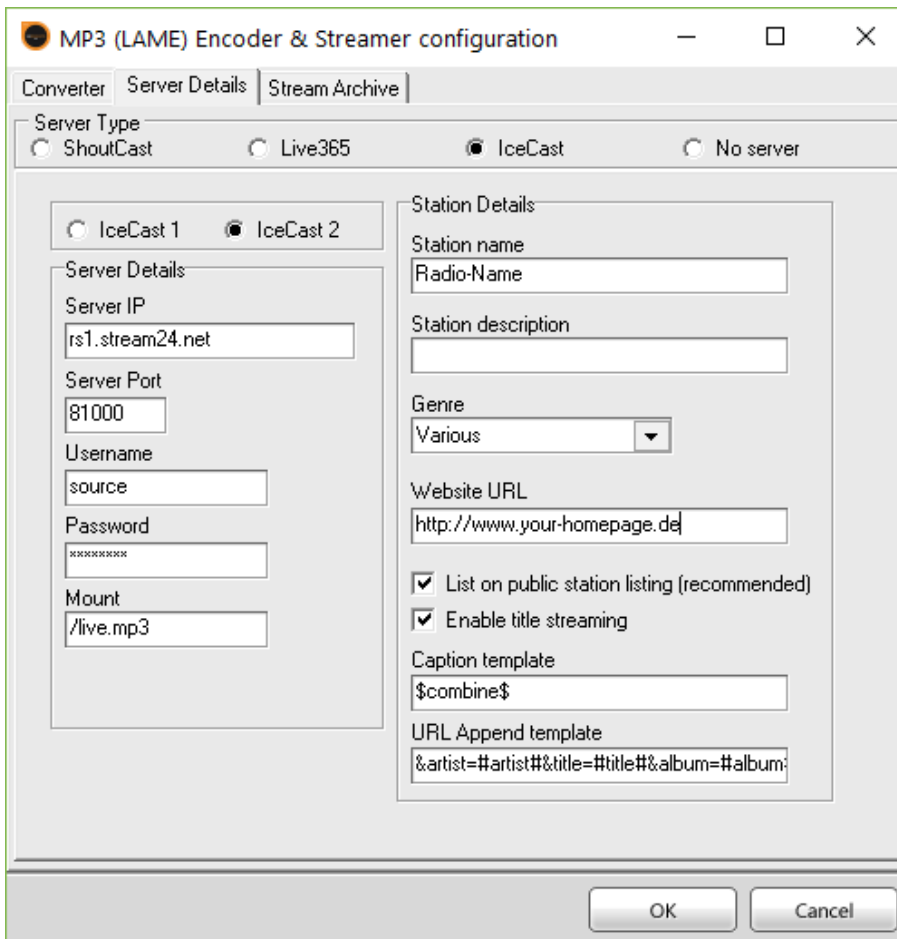


Fig. 7: MP3 LAME Encoder - Server Details

- 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:

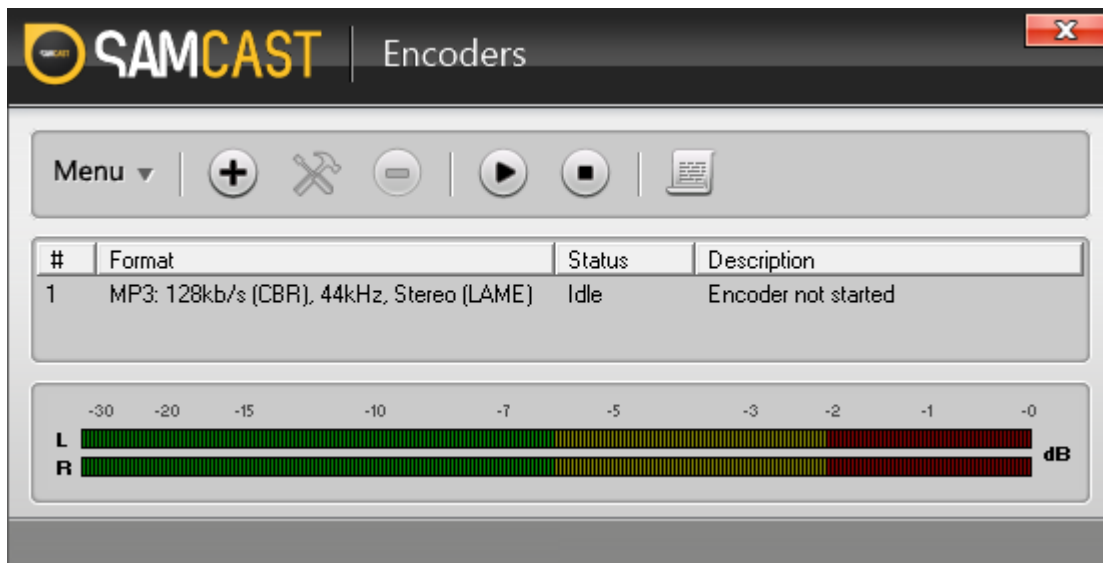


Fig. 8: Encoder module with installed MP3-encoder

### 3. Select capture device / sound card

Go back to SAM Cast main module and click on 'Settings':

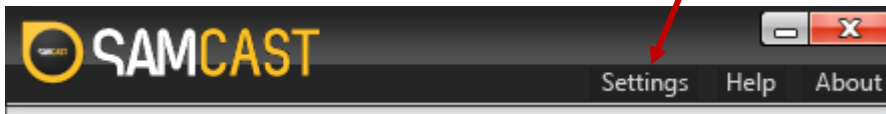


Fig. 9: SAM Cast main module

The following window appears:

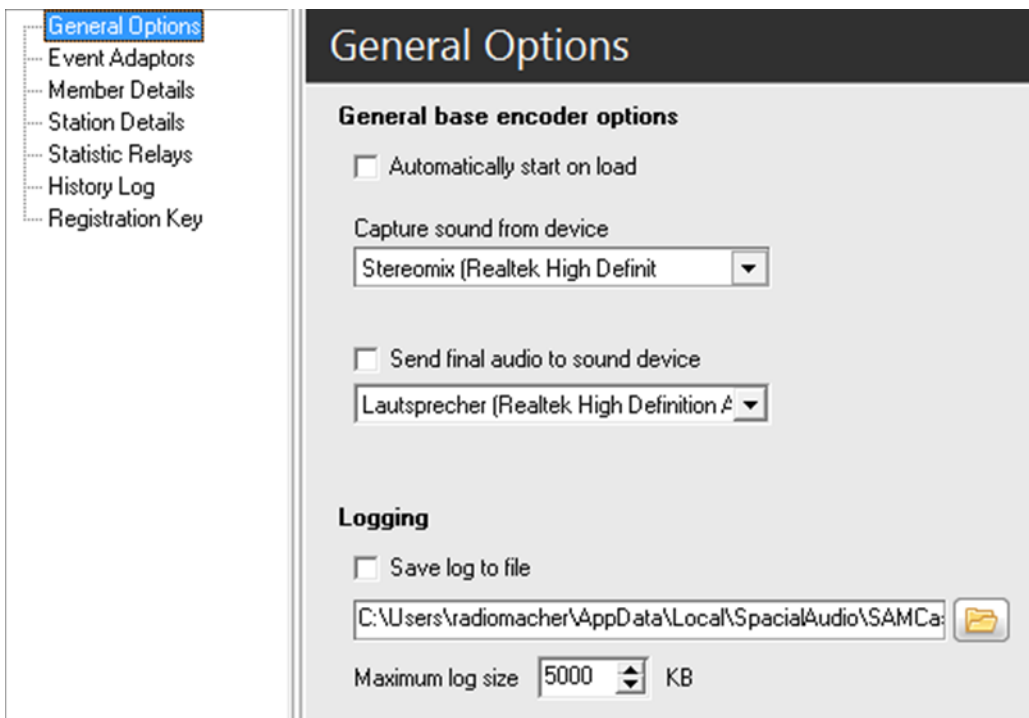


Fig. 10: SAM Cast General Options

In the first menu **General Options** under the setting 'Capture sound from device,' select the device (sound card) from where the audio signal should be picked up for your live stream.

The other settings in this window are optional.

Exit with [OK]



#### 4. Run SAM Cast and encoder

Supply the audio signal to the line-in input of your sound card and start SAM Cast by clicking [Start].

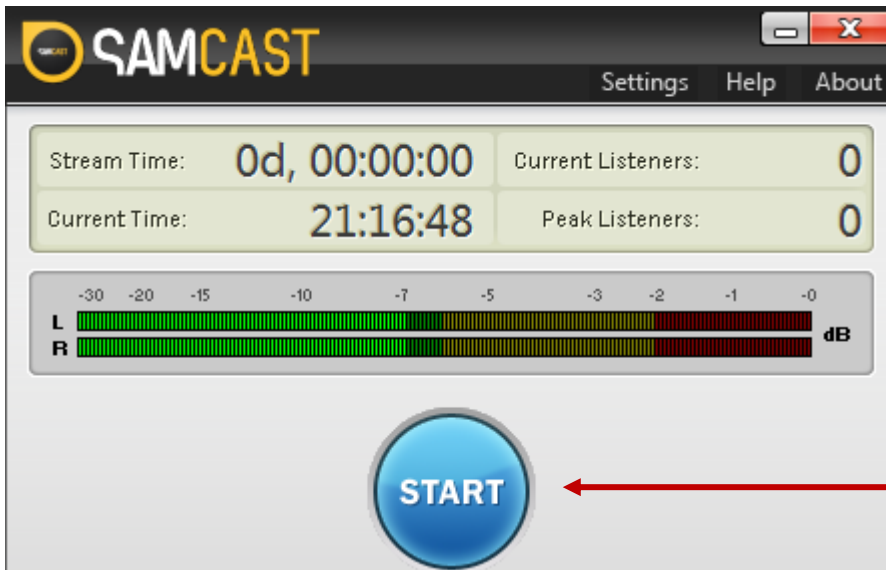


Fig. 11: SAM Cast start button

Now click the play button in the encoder window to start the encoder as well:

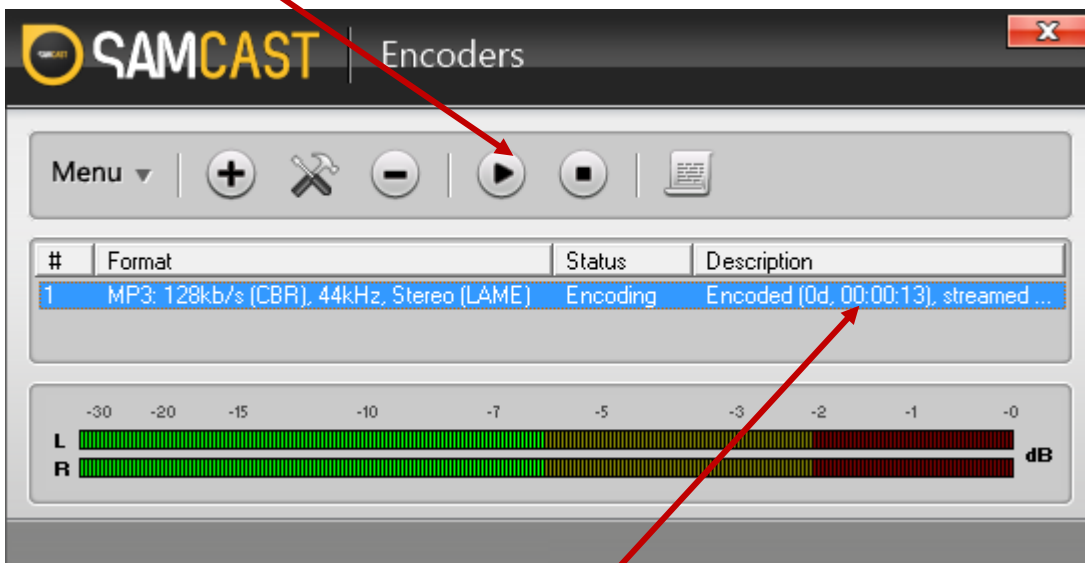


Fig. 12: MP3 encoder in operation

If connection to the streaming server was successful, you will see in the column "Description" how the encoder begins counting the broadcasting time and the amount of data transferred.

**Congratulations - you're LIVE on the Air!**

## 5. 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 6)
- 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.