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# Software datasheet #SAMBC-SC

(for Windows 8, 7, Vista and XP)



# Make web radio and start broadcasting with SAM Broadcaster PRO (from version 2013) and Shoutcast Server

Rev.	Author	Approval	Comments/configuration
1.0	A. Bardonski	K. Werner	SAM Broadcaster PRO v2013.2 (Firebird Edition)
	12.03.2013	15.03.2013	on Windows 7

## 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, aacPlus (HE-AAC) and WMA.

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 and installation

Follow this link:

http://spacial.com/download-radio-software?ref=A392

#### Important information

You need to choose the **PRO** version because the SAM Broadcaster LITE and PLUS versions do not support encoders for external providers.

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



You can then proceed to the next step and page.

## 2. Set up SAM Broadcaster for the first broadcast

Step 1: Start SAM Broadcaster PRO and you will get the following window:



Fig.1: SAM Broadcaster (Desktop A)

Step 2: Change to Desktop B:

SAM Broadcaster	
<u>File Player Window Layout Tools H</u> elp	
Volume Air 🗸 🖾 Cue 🗸 Auto DJ 👻 Desktop A	ВС
Fig. 2. Button bar	T
→	Mouse click

Step 3: The appropriate MP3 encoder only must now be added to the 'Encoders' module:

Click on [+]

En	coders	_		
Me	nu - 🕨 🗕 🕑			-0 -1
#	Format	Status	Description	-3
				-5
				-10
				-15
				LR dB

Fig. 3. Encoders module (Desktop B)

Select the **MP3 (LAME\_ENC)** plugin:

	Select plugin	
	SpacialNet Encoder	
	🔘 aacPlus v2	
	MP3 (LAME_ENC)	
	WMA (v9 advanced) [ROBUST]	
ł	WMA (v9 advanced)	
	🔘 Ogg (Vorbis)	
	CheapestStream.com Encoder	
	mp3PR0	
	No details available	41
	OK Cancel	

Fig. 4: Encoder plugin selection

Continue with [OK].

# Step 4: Configure MP3 encoder

Heading Converter

👄 MP3 (LAME) Encoder & Streamer configurat	ion 🗖 🗖 🗾
Converter Server Details Stream Archive	
Setting Bitrate 128 v kbps Mode Stereo v Sampling rate 44100 v Hz	General options Auto start encoder after 5 💽 seconds I Auto reconnect encoder after 15 💽 seconds Allow scripts in stream
	OK Cancel

Fig. 5: MP3 LAME encoder - converter

Please accept the recommended basic settings in the image above and change the 'Server Details'.

#### Heading: Server details

MP3 (LAME) Encoder & Streamer	configuration 🗖 🗖 💌
Converter Server Details Stream Arch	ive
⊂ Server Type	C IceCast C No server
SHOUTcast – • v1 • v2 Server IP rs4.stream24.org Server Port 7000 Password ********	Station Details         Station name         Name des Webradios / des DJs         Genre         Pop         Website URL         http://www.ihre-radio-homepage.de         AIM       ICQ #         ICQ #       IRC Channel         NA       NA         IV       List on public station listing (recommended)         Image: Caption template       \$combine\$         URL Append template       &artist=#artist#&title=#title#&album=#album;
	OK Cancel

Fig. 6: MP3 LAME encoder - server details

 Select Shoutcast and Shoutcast v1 as the server type and enter the server IP, serverport and password in the fields on the left according to your individual server data.

**Important!** You can find your personal server data by logging into the customer area under 'Server Administration | Server Configuration' where you can change the stream password yourself at any time.

- Station name: name of your web radio and/or the DJ.
- Genre: this is where you can specify the kind of music on your web radio.
- Website URL: the Internet address of your homepage; please do not forget to put http:// at the beginning of the URL.
- AIM / ICQ / IRC: Optional information about which nickname or IRC channel your radio or the DJ uses in the chat area.

Clicking [OK] accepts the settings and closes the configuration window.

The MP3 encoder is now embedded, you should get the following picture:

End	coders	_		
Menu - + 🔊 - 🕞 💿 📭 💽 🗾				
#	Format	Status	Description	-3
1	MP3: 128kb/s (CBR), 44k	Idle	Encoder not started	-7
				-10
				-15
				LRdB

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

#### 3. Go on air

<u>Step 1</u>: Switch back to Desktop A using the top button bar and upload some songs from your disk to the **queue** list:

Queue		
Add Files	Ctrl+0	Duration
Add Directory	Ctrl+D	
Add URL	Ctrl+U	
Add Playlist	Ctrl+L	
Add Mic / Linein	Ctrl+M	
0 tracks (0d, 00:00:00)		

Figure 8: Empty queue module (Desktop A)

→Add Files / Add Directory

Queue			x
÷:			
ETA	Artist - Title	Duration	
16:53:56	Global Deejays ft Technotronic - Get Up	4:18	•
16:58:14	skai - mir geht´s gut	4:58	
17:03:13	moston & malente - in the sky	5:50	
17:09:03	Le Dust Sucker - Mandate My Ass [Askesian Society Remix]	3:19	
17:12:23	moonbootica - dj theme	2:59	
17:15:22	Rinôçérôse - Cubicle [Edit]	3:13	•
12 tracks (	)d, 00:53:50)		

Figure 9: Queue module with some songs

Step 2: Set the play mode to 'Play Queue'

; ile <u>P</u> layer <u>W</u> indow <u>L</u> ayout <u>T</u> ools <u>H</u> elp		$\backslash$		
Volume 🗳 Air 🔻 🕅 Cue 💌	Qu	ieue 🕞	Deskt	top
Deck A		Auto DJ Mode Play Queue		le Con
Title: mir geht's gut Artist: skai		Manual I	DI	Manua
Artist: skai		Auto Rec	overv	•••

Fig. 10: Play Queue mode selection

and click on the first track in the Queue window so that it plays in Deck A.  $\rightarrow$ Do you hear music from the speakers or headphones? OK, great!

Step 3: Change to the encoder module on Desktop B:



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.

Enc	coders	_		
Me	nu - + 🔀 - 4			-0
#	Format	Status	Description	-3
1	MP3: 128kb/s (CBR), 44k	Encoding	Encoded (0d, 00:00:35), streamed 557KB (0d, 00:00:35)	-7
				-10
				-15
				LRdB
Eig 1	2: MD2 anonder in operation			

Fig. 12: MP3 encoder in operation

Congratulations - you're on the air!

# 4. Error messages / FAQ / Tips

- 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 a time. If the server is already occupied, no other DJ (whether a live DJ or your auto-DJ) can broadcast simultaneously.