

Streaming using SHOUTcast/Winamp

When we stream audio, we convert the studio audio and send it along to our streaming service provider where it is then broadcast out to our audience.

There are a number of options to consider when we stream.

- Streaming format (MP3/ACC/OPUS/OGG)
- Streaming bit rate (48k/128k/192k)

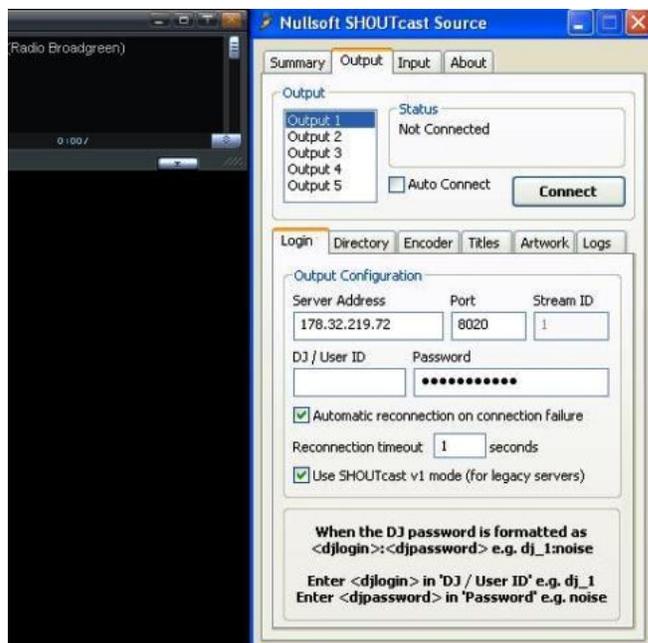
The lower the bit data rate, the lower the quality of audio received. Different codec's convert the audio to a digital standard, and some are better than others. MP3 is the standard but not great at a low bit rate. ACC+ is much better at lower bit rates. Some codec's such as OPUS and OGG are great at converting audio to digital but there are very few online audio players that will convert the audio.

In the following examples, we shall assume that our stream will be at the standard of MP3 stereo at 128k.

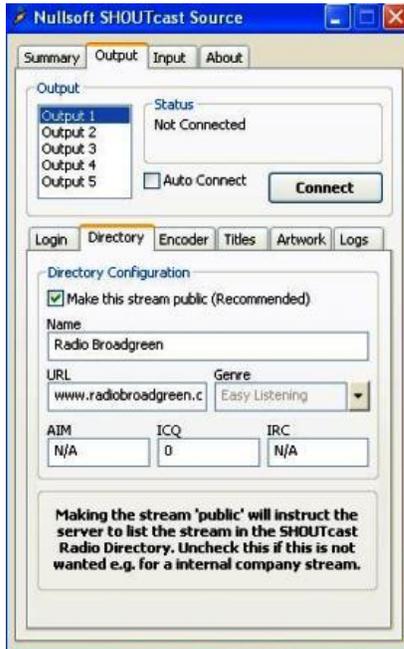
Winamp

Winamp is an audio player that also has the ability to add a DSP to stream audio. It is particularly useful when we don't want to stream station output (e.g. sports commentary) as we can switch the audio input from Soundcard to Winamp (playing a playlist of music on a loop).

1. Download Winamp and the Shoutcast DSP software (free).
2. Configure the Shoutcast DSP with log in details from your streaming service provider (ip address/port number/password).
3. Tick the automatic reconnection box. You may have to tick the v1 legacy mode



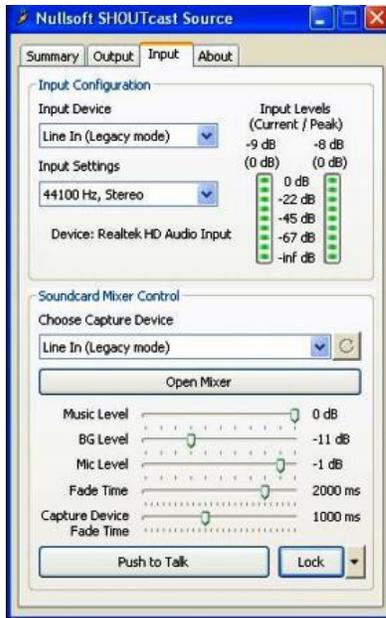
4. Change the Directory details to your station name and website URL, genre, etc.
5. AIM/ICQ and IRC are not used – these can be left as N/A



6. Set the encoder to MP3 at a rate of 128k



7. You can manually change the title update to your station strapline
8. Set the Input to Line In (Legacy mode) from your soundcard (check input levels and adjust via the soundcard mixer)



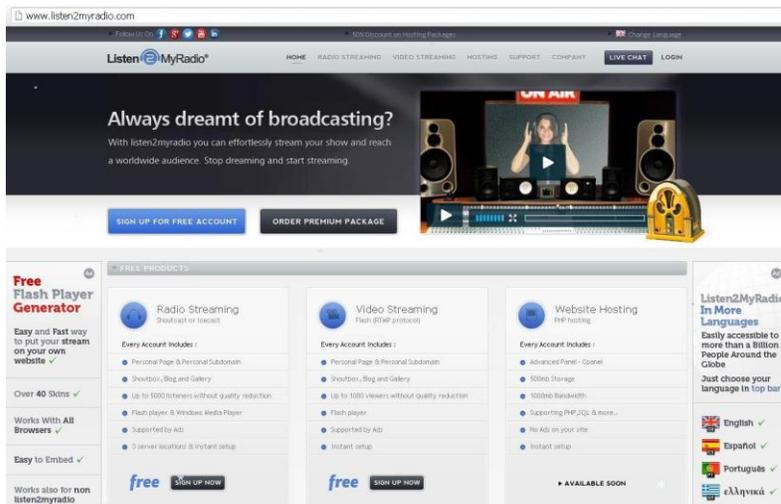
Click connect and start streaming. Check the firewall on your broadband router to allow the port used to go through the firewall.

Streaming Service Providers

There are some service providers that offer free streaming. These are good to conduct streaming tests but they won't allow listeners to connect without going to their website page and seeing adverts, so not much good if we want to embed a player on our website.

For testing purposes (and a great tool for you colleagues to listen in before launching the streaming service), we shall opt for L2MR.

1. Sign up for a free account



2. Log into your control panel

newl2mr.listen2myradio.com/control-panel

Welcome, info@radiobroadgreen.com Log Out | Change Language

Listen MyRadio™ Control Panel Free Account

My Account Support Switch to Video Account Order Premium

Home Stream Page Design Blog/Gallery/Chat Statistics Addons

Control Panel

Stream

Change Server Location Stream Re-install Change Streaming Password Change Stream Type Switch to External Server

Page Design

Update Logo Theme Options Channel Details

Blog/Gallery

Add/Remove Blog Post Add/Remove Gallery Image Blog/Gallery Settings

Statistics

Order Statistics

Stream Details

Stream Type: Shoutcast

Stream Status: ON ●

Turn OFF

IP Address: 78.129.187.57
Port: [REDACTED]

Change Server

Stream Password: [REDACTED]

Change Password

Shoutcast Admin Panel:
http://78.129.187.57:13307/index.html

Username: admin
Password: [REDACTED]

Radio Station Links:
rbg2.radiostream321.com
rbg2.listen2myshow.com
rbg2.radio12345.com
rbg2.radiostream123.com

The listening is only through those links.

Account Limits:
5000 Listeners Simultaneously
Unlimited Quality

Control Panel Application:
Android Version - Click Here
iPhone Version - Click Here



3. Select a server (server type and location)
4. Add text and select a streaming name (this will be added to the L2MR URL so try to keep it short)
5. Get the details of your streaming server (ip address, port, password) and configure Shoutcast DSP to point towards the server.

That should be it. Just click on one of the Radio Station Links to listen via your web browser.

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