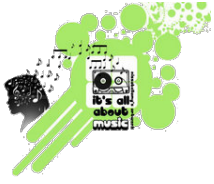


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[Setting Up a SHOUTcast Server + DSP Plug-In](#)

Create your very own Internet radio station.

SHOUTcast is a multiplatform freeware audio streaming technology which uses MP3 or ACC encoding of audio content and HTTP as the transport protocol to broadcast web radio, also known as Internet radio. The output format is supported by multiple clients including XMMS, Amarok, Apple iTunes and others. However, before you start, keep in mind a few things (requirements):- A SHOUTcast station requires an unfirewalled connection in order to be added to shoutcast.com's list. So, you'll either need to open ports 8000/tcp and 8001/tcp (if you're running a firewall), or forward ports 8000/tcp and 8001/tcp to your LAN ip (if you're using NAT and your shoutcast server PC is behind router/gateway).

Installation- First, you should create a new user to run the server: Don't run it as root for safety's sake.
`[CODE=0]# useradd shoutcast[CODE=1]`- Switch to the newly created user:
`[CODE=0]# su - shoutcast[CODE=1]`- Download the latest SHOUTcast Linux server (glibc) from [here](#) and the latest SHOUTcast DSP Plug-In for Mac OSX, Linux and FreeBSD from [here](#). Save them in **/home/shoutcast**. (Download them with user *shoutcast*, otherwise there'll be chown problems.)- Untar and create an easy to use directory tree (you're still logged in with user *shoutcast*):
`[CODE=0]# cd /home/shoutcast# tar xzf shoutcast-x-x-linux-glibc6.tar.gz -C shoutcast/# tar xzf sc_trans_posix_xxx.tgz# mv sc_trans_040/ sc_trans[CODE=1]`- You should now have the shoutcast server in /home/shoutcast/shoutcast and the DSP Plug-In located in /home/shoutcast/sc_trans.

Configuration- Change directory to shoutcast/ and open **sc_serv.conf** using your favorite text editor and edit these values to get things quickly up and running:
`[CODE=0]MaxUser=20Password=streamingPortBase=8000AdminPassword=MyPassword[CODE=1]`- Now go to /home/shoutcast/sc_trans and edit **sc_trans.conf** the same way you did with **sc_serv.conf**. These are the values (don't add the # comments as well, just read them):
`[CODE=0]PlaylistFile=/home/shoutcast/sc_trans/playlist.lstServerIp=131.107.what.ever.is.your.ipServerPort=8000Password=streamingStreamTitle=blah # this will be displayed in the playersStreamURL=http://131.107.your.ip # or the domain name if it points to the same IPShuffle=1 # set to 0 to play songs in order[CODE=1]`- Create the content directory, add mp3 files to it and create the playlist:
`[CODE=0]# cd /home/shoutcast/sc_trans# mkdir content[. add mp3 files to the content/ directory ..]# find /home/shoutcast/sc_trans/content -type f -name "*.mp3" > playlist.lst[CODE=1]`**Start the server**
`[CODE=0]# cd /home/shoutcast/shoutcast && ./sc_serv sc_serv.conf && cd /home/shoutcast/sc_trans && ./sc_trans sc_trans.conf &&[CODE=1]`- You will see the output in your terminal.- If everything worked out fine, you should be able to check the SHOUTcast status by opening your browser and going to `http://your.ip:8000`. Also, you should be able to click on admin login and use the password set in **sc_serv.conf** next to AdminPassword.- If you want to spread the word about your station, use the address **<http://your.ip.or.domain:8000/listen.pls>** because chances are it will automatically open people's media player (Winamp, Amarok, XMMS etc).