How to start an Internet Radio Station ?
Small Guide to setup an own Internet Radio Station.
This small drawing shows the components needed for an own Internet Radio Station.

Typical Internet Radio Station with two PC Setup for live assited and automated Broadcasting with a production studio to produce Jingles, Liners, Trailers, VoiceTracks,...

Production Studio

Recording
CD Ripping
Audio Editing
Playlisten creation
VoiceTracking

PC with Windows XP
1x Sound Blaster
audio card
small mixer with
microphone and
headphone

Listeners

Internet

Radiocube Edit
+
Adobe Audition
or Audacity (freeware)
This PC backup
the data of the ONAIR PC.

This PC do you need only if you produce and broadcast the same time e.g. in a team.

Per To Per Per PC Network

If you plan to reach many listeners by your web radio station you need a Internet Service Providers (ISP). The ISP receives your stream multiply it and broadcast it to your listeners.
There are many ISPs offering high quality services for low monthly streaming costs.
Sign no long contracts, the prices are always falling down.
Search the Net for:
Audio Streaming Provider

On Air Studio

Windows Media Stream

Internet

PC with Windows XP
Radiocube ONAIR or
Radiocube DJ software
Live Assist and Automation
(see www.radiocube.com)
& Windows Media Encoder
streaming software

3x Soundblaster audio cards
Card 1: Output 1 for playlist output
Card 2: Output 2 for prelistening (cue)
Card 3: Input for Windows Media
Encoder 9 (freeware)
http://www.microsoft.com/windows/
windowsmedia/forpros/encoder/
default.mspx

Use this PC to share the Harddisk
with the production PC.

Send your program by a stream with the bit rate you want to offer to your listeners via DSL Router/Firewall to the Internet or a audio streaming provider.
You should have a Internet connection with flat rate and a min. up stream bit rate of your stream bit rate + 20% for security (recommended 96-128 kbps up stream or more).
Windows Media Streaming is very efficent. A WMA stereo stream with 64 kbps sounds as good as FM Radio. A 128 kbps souns near to CD quality.
Important! Send your stream on port 80 to cross firewalls in offices.

Small stereo mixer like Mackie 1402VLZ:
For live shows you connect your microphone
(e.g. Shure SM 58), don't forget a headphone.
If you like to do phone ins have a look to
www.eela-audio.com and there phone hybrids.