

## Re: Feed audio stream using dialup connection

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<http://www.tech-archive.net/Archive/Media/microsoft.public.windowsmedia.encoder/2007-01/msg00013.html>

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- *From:* "Neil Smith [MVP Digital Media]" <[neil@xxxxxxxxxx](mailto:neil@xxxxxxxxxx)>
  - *Date:* Thu, 04 Jan 2007 22:36:24 GMT
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On Thu, 4 Jan 2007 14:24:28 -0600, "KFactor"  
<[anonymous@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:anonymous@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote:

Has anyone tried to stream audio (running Windows Media Encoder) using a dialup connection? The dialup connection is to a computer that has an Internet Sharing Connection. This computer provides internet access via cable.

This is going to be really painful ! I suggest you don't do it, to avoid disappointment...

Notebook (running 'Windows Media Encoder' with 52 baud modem) dials up my

52kbaud (or 52kbps as everybody else knows it) is the speed from the other end to you – and that's a *\*maximum\**. Usually it's more like about 40–42kbps top end. That's enough for ~you~ to listen to one, 32kbps stereo audio stream at low–medium quality – as long as nothing else is happening on the dialup.

However, Modems take advantage of the fact that the transmitting end, coming through the telco's switches, has a higher signal level and quality to that which you can send via the telco's switches from your end.

As a result, the upstream (from you to the other end) speed is going to be more like 28–30kbps maximum. This is not really enough to send *\*one\** audio steam at low–moderate quality, without a degree of breakup

Desktop at a remote location (using ISC, with broadband connection). Both PCs are running Windows XP Pro.

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My purpose:

Is to allow persons that are shut in to hear the discourse at my church through the internet. The church does not have internet access but we do have a notebook computer and a phone line.

OK so – assuming you treat this like a Speakerphone, i.e. one connection only, maybe it's just about feasible. What I would do in the encoder is record some typical samples, using the windows media audio Voice codec (that requires custom settings using the Properties button in the encoder, then going to the Compression tab).

You may be able to get reliable transmission of about 20kbps, so you could choose a Mono, 16kbps setting, which uses about 2kbps overhead (18kbps total outgoing speed) and that's marginal with your equipment.

My questions:

Is this feasible? There may be 10–20 people that need to listen in. Which

They will all have to sit in the same room, listening to a PA attached to the receiving computer. The bandwidth used is additive, so you'd need \*at least\* 10x your current outgoing bandwidth to do that experiment to multiple recipients rather than just the one.

computer's IP address should they use?

On dialup, frequently you get a new IP address each time you dial.

So you would have to agree an IP address in advance, eg by using instant messenger (Yahoo, MSN, AOL etc).

You can find the IP of the encoder machine from <http://www.whatismyip.com/>, assuming it's a public IP address.

However the setup you've described makes me wonder if the IP address will effectively be private because you're connected to some remote internet sharing vial dialup, and from there to the internet via another PC ? Can't see it working myself.

Is it practical to stream video has well?

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No, it is not practical nor even feasible – sorry !

Cheers – Neil

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Digital Media MVP : 2004–2007

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