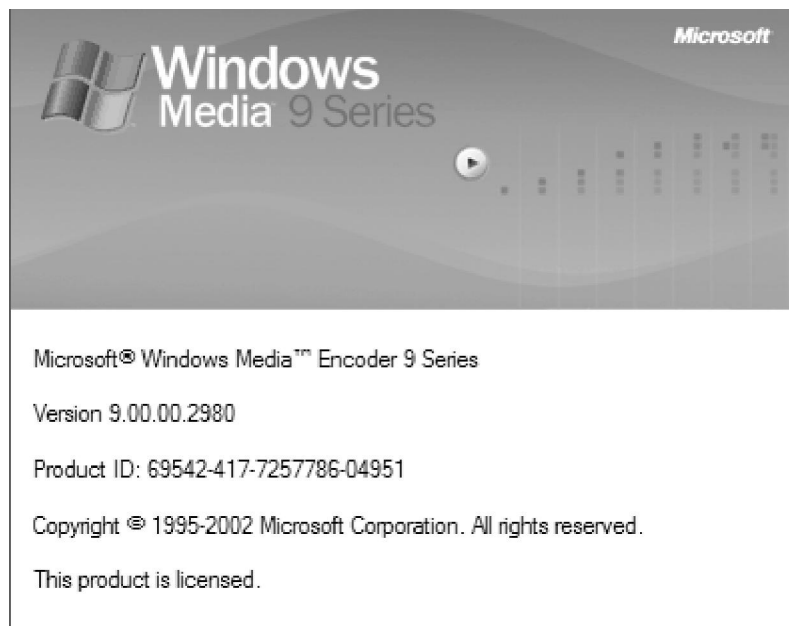


Windows Media Encoder – Scanner Feed Tutorial

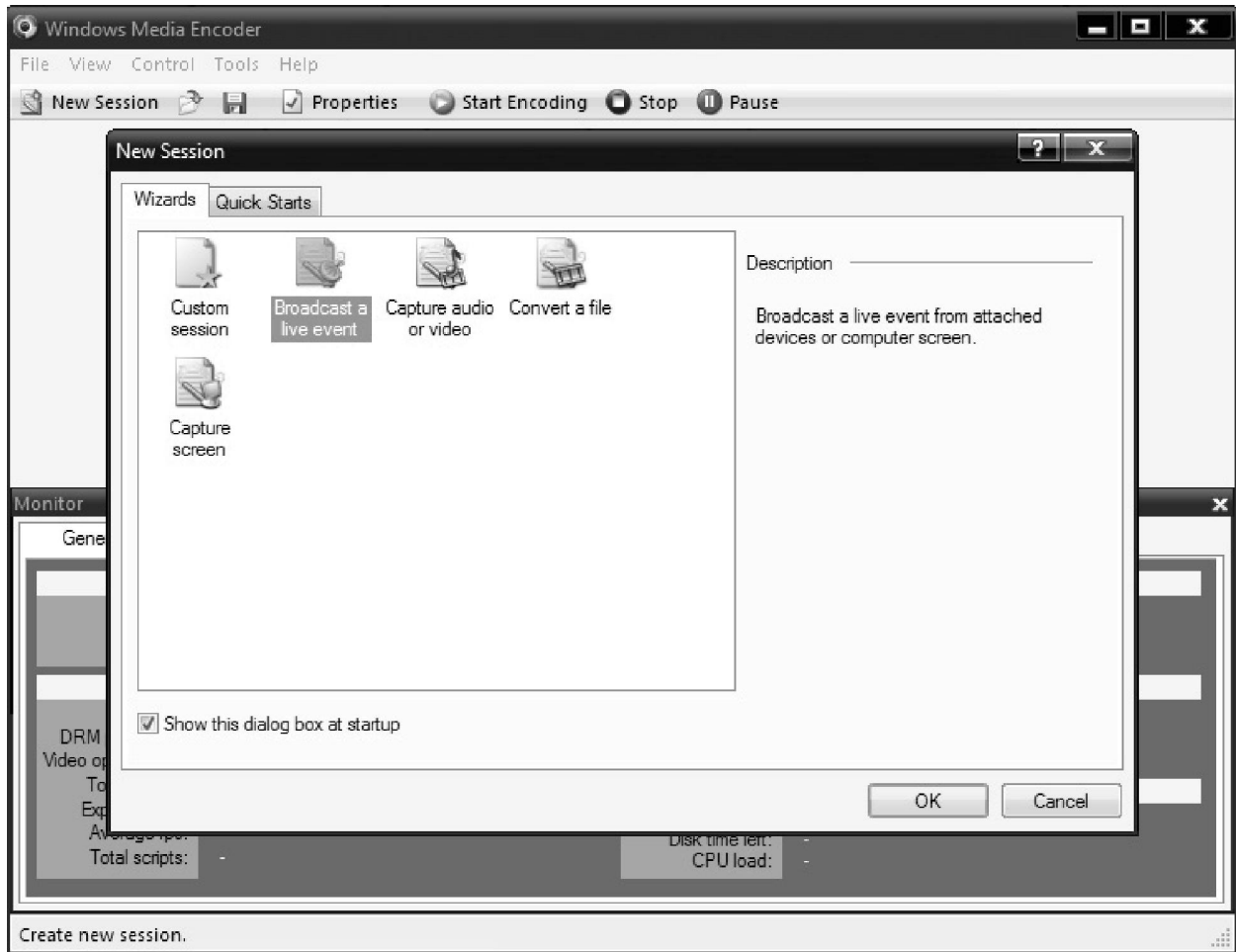
Written By: Matt (Webmaster@ScanMerrimackValley.info)

This tutorial will show you how to setup your scanner to be streamed to the internet with Windows Media Encoder. This will enable listeners to connect to your feed with Windows Media Player, which is included with every version of Windows.



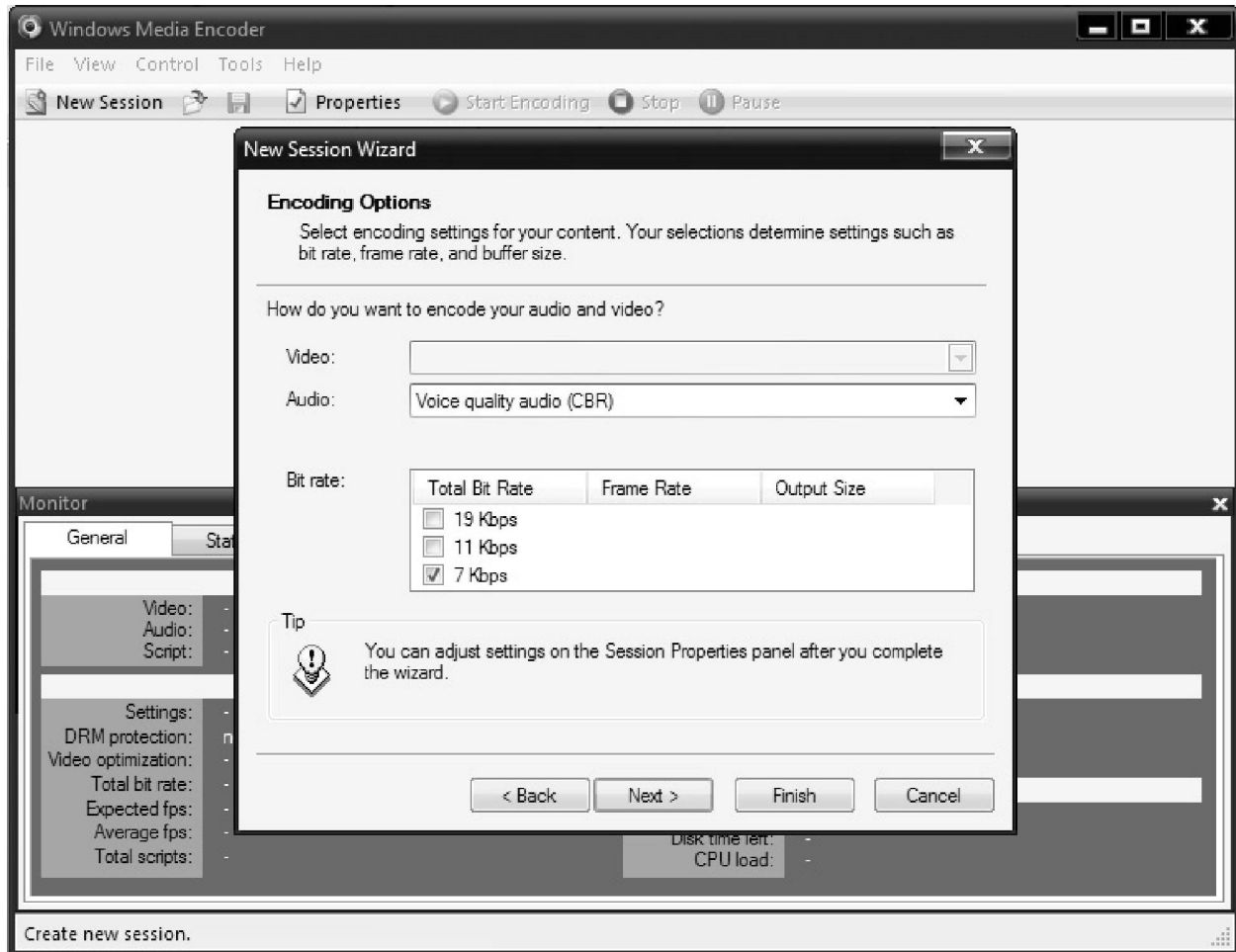
- 1) First, download "Windows Media Encoder 9". Here are some download locations:
 - Microsoft (Validation Required)
<http://www.microsoft.com/windows/windowsmedia/forpros/encoder/default.msp>
 - Soft32.com
http://www.soft32.com/download_980.html
- 2) Run the downloaded ".exe" file and follow the prompts to install
- 3) Go to the Start Menu and then navigate to "All Programs", "Windows Media" then "Windows Media Encoder"

Windows Media Encoder – Scanner Feed Tutorial



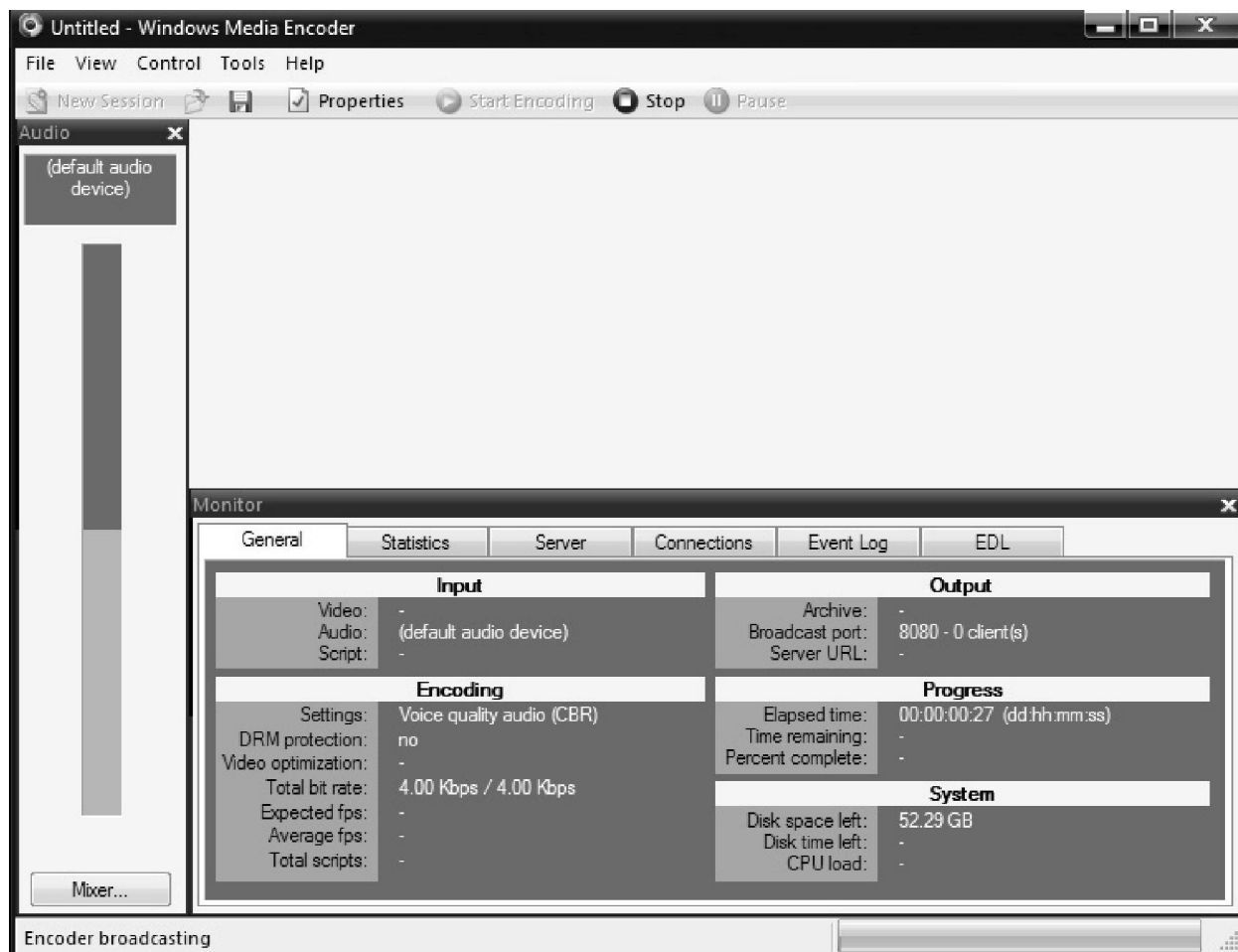
- 4) Once the program pops up, you will see a dialog box for a new session. Select "Broadcast a Live Event" and click "OK"
- 5) Be sure there is a check mark next to "Audio" and that the correct sound card has been selected from the drop down box.
- 6) Under the broadcast method, select the second option "Pull from the Encoder (the server or player initiates the connection).
- 7) Under the broadcast connection, the default port is 8080. You can either keep this port or change it to another one. Whichever port you decide to use it will need to be forwarded through any firewall/router you may have.

Windows Media Encoder – Scanner Feed Tutorial



- 8) Now for the encoding options. Here you can select the quality of the audio you will be streaming out to the internet. Higher quality means more bandwidth, lower quality equals lower bandwidth. From the audio drop down box, the best thing to select is "Voice quality audio (CBR)". 19 Kbps is higher quality while 7 Kbps is lower quality. Even though 7 Kbps seems low, the audio sounds surprisingly good and uses minimal bandwidth.
- 9) The next option is to archive the audio you are streaming. If you wish you can check the box and enter a file location to save the audio that you are streaming to a file.
- 10) Next, in the Display Information, you can put all the details of your feed. This is not required, however. Enter your feed information and click "Next". Now you can verify your settings are correct and click "Finish".
- 11) Once you click finish, a box will popup advising you that by default the feed is open to everyone, however you have an option to block via IP address. You can click "OK" on this box. You can access this tool later by going to "Tools" then "Broadcast Security".
- 12) You are now ready to start streaming your feed to the internet. I would first advise you to save these settings. Go to "File" then "Save". Select a folder and a filename and click "OK". This creates a file with all your settings that you can double click on to start Windows Media Encoder with those settings.

Windows Media Encoder – Scanner Feed Tutorial



- 13) Now to start streaming! On the top bar, under the file menu, click "Start Encoding". You should then see an audio bar on the left side of the window. This will correspond to the level of audio coming from your scanner, going up and down with the voices.
- 14) Any time you need to run your feed, navigate to your saved file (such as feed.wme) and double click it. This will automatically run Windows Media Encoder with your settings. Just click the "Start Encoding" button and streaming will begin.
- 15) **LISTENING TO YOUR FEED:** To access your feed you need to input your IP address then the port number, separated by a colon (i.e. 12.34.456.789:8080). The best thing to do is go to www.no-ip.com and sign up for a dynamic DNS. When you sign up you can choose your own address at no-ip.com (i.e. myscannerfeed.no-ip.org) that links to your IP address. This way, listeners don't have to remember your IP address and can still access your feed if your IP address should change. Using this method you would connect to your feed by entering "**myscannerfeed.no-ip.org:8080**".

* A common problem I have experienced is the encoder will not start and give you an error: "0xC00D0BC3: An unexpected error occurred with the audio codec". The fix for this problem is located at <http://support.microsoft.com/kb/932390>