

Ligos Corporation

Indeo® Frequently Asked Questions

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Do I have to pay for Indeo?

Free versions of Indeo and the Ligos Indeo Codecs Package for Windows are no longer available from Ligos. Each of the most up-to-date versions of the Indeo Video and Audio codecs, including older legacy versions, are included in Ligos Indeo Codecs for Windows, and can be installed on all Windows OSes from Windows 95 to Windows Vista. If you have purchased a software title from another company, you may wish to check with their Support department to see if they have Indeo available for their customers.

Where can I find the Mac versions of Indeo?

There are no longer Mac OS versions of the Indeo codecs. There are no plans for an OSX version of Indeo codecs.

What is the status of Indeo and Microsoft Windows?

With the September 2002 update to Windows XP (known as Service Pack 1), Microsoft suspended distribution of the Indeo codecs as a base part of its operating system. This only affects users with new PCs that are shipping with Windows XP Service Pack 1, or clean installs of Windows XP SP1 on an older system. Unfortunately, a number of game and multimedia titles require Indeo to be installed on the OS in order to function.

In the 2004 update to Windows XP (known as Service Pack 2), Microsoft has made changes to the OS and Windows Media Player 9 and 10 that prohibit the playback of Indeo content online. Users will find that they will no longer be able to automatically play video files posted on the web if they were encoded with the Indeo codec. Windows Media Player will only play Indeo files if they are local (on your hard drive).

Please note that these were Microsoft's decisions alone, as Ligos honors any legacy Indeo Distribution Agreements between Intel and other parties. Questions and comments should be directed to Microsoft or your software provider through one of their support channels.

Is there a special version of Ligos Indeo Codecs for Windows?

Not any longer. In order to meet the needs of those who use Windows XP and required Indeo codecs, Ligos created a special version of Indeo Video 5 called Indeo XP (also known as Indeo Video version 5.2). The installer was recently updated for Windows Vista, and is now called Ligos Indeo Codecs for Windows.

Will Indeo work on other operating systems than Windows XP?

Yes. Indeo XP will install and work with all Windows OSes from Windows 95 to Windows Vista.

Do I need to buy Indeo if I already have Indeo codecs installed?

Previous versions of Indeo will work on Windows XP and Vista, but they are not certified nor supported due to performance issues that affect playback. In addition, previous versions will likely not install on Windows Vista due to changes Microsoft made regarding software installation and security.

What are the major differences between Indeo Video 5 (5.0, 5.10, 5.11) and Ligos Indeo Codecs for Windows?

Ligos Indeo Codecs for Windows Indeo Video 5.2 codec has been optimized to provide the best possible performance of Indeo on fast systems that use Windows XP and Vista, especially with the scalability feature of Indeo.

Other than Indeo Video 5.2, what else is included with Ligos Indeo Codecs for Windows?

Ligos Indeo Codecs for Windows also includes the legacy codecs Indeo Video 4.5 and Indeo Audio 2.5 to support older multimedia packages and web content.

Does Indeo play DivX or MPEG files?

No, DivX and MPEG are different codecs entirely. Some other possible third party compression formats are Windows Media, Cinepak, M-JPEG, and DV. If the file doesn't play correctly, it usually means the file was compressed using a codec format that is not installed on your computer. Many video files being distributed over the Internet use the DivX AVI format, which is not supported by Windows without an additional codec, and has nothing to do with Indeo. Please refer to <http://www.divx.com/> for information on DivX, or <http://www.videohelp.com/play> for information on codecs in general.

Where are the Indeo Media Kit, the Indeo Player, Indeo Codec Legacy Package, Indeo XP and the Progressive Download Publisher?

These are older Indeo applications and technologies for media producers that are no longer available.

I get an error when installing the Ligos Indeo Codecs for Windows.

Once you have downloaded the file "IndeoSetup.exe", double click on it to run the Indeo installer, and follow the simple instructions as shown. If you receive an installation error, you may have a corrupted file from an incomplete download, or you may not have administration rights on the computer:

- You can verify the file was downloaded correctly by right clicking on the file in Windows Explorer and checking the size, which should be 2.04 MB (2,142,208 bytes). If this is not the correct size the file will need to be downloaded again.
- Windows XP and Vista will generate an error if you try to install any application, but are not logged in with Administrator rights. You will need to either log off and log on as Administrator or set your current rights with Administrator privileges that will allow the installation routine to run correctly.

Indeo installed correctly, but won't play the AVI files.

If installation went smoothly without errors, but you want to confirm that Indeo is installed on your system, check for the installed video codecs in the device manager. A quick and easy way to do this is to go to the Windows Control Panel (in My Computer), and open "Sounds and Audio Devices". Select the Hardware tab, and select Video Codecs in the Devices listbox. Click on the Properties button, and a new dialog will open. Click on the Properties tab, and you should see a list of Video Compression Codecs, including the following:

- Indeo® 5.2 Codecs
- Indeo® 4.5 Codecs
- Indeo® 2.5 Audio Decoder

If you see these listed, Indeo has installed correctly.

Another way to confirm that the codecs have installed correctly is to simply try playing an Indeo encoded AVI file in Windows Media Player. As it is difficult to tell what codec has been used in a

particular AVI file, Ligos has made a test video clip available online for testing at http://ligos.com/videoclips/lions/lion_sif_ind5.zip . Type this (or copy and paste) into the address bar of your browser and download it to your local PC. The file is a 7 MB zipped file, so you'll need to unzip it once you have downloaded it. Double click on the AVI, or open it with Windows Media Player. If the file plays, this is another confirmation that Indeo has installed correctly on your system.

If these files play, but other AVI files do not, you should confirm whether those files are actually Indeo encoded AVI files at all. If the file doesn't play correctly, it usually means the file was compressed using a format that is not installed on your computer. Some other possible third party compression formats are Windows Media, Cinepak, M-JPEG, and DivX. Many video files being distributed over the Internet use the DivX AVI format, which is not supported by Windows without an additional codec, and has nothing to do with Indeo. Please refer to <http://www.divx.com/> for information on DivX, or <http://www.videohelp.com/play> for information on codecs in general.

If you are still having difficulties, they may be specific to the other hardware or software you are using, and not related to Indeo. Please refer to the technical documentation and support options for those products. If you have confirmed that you are definitely having a problem directly related to Indeo, please check our Indeo Support web page and follow the instructions for additional support options.

How does Indeo Audio relate to Indeo Video?

Indeo audio software works well with Indeo video by reducing the size of the audio stream contained within Internet video files, making it faster to download and save them.

Does Indeo support 720x480?

Yes

Does Indeo support 720x486?

No. All frame dimensions must be a multiple of 4.

What is the smallest frame size I can use with Indeo?

There is a minimum frame size of 32x32

What is the largest frame size I can use with Indeo?

There is a maximum frame size of 4,194,304 pixels (2048^2), with no dimension exceeding 8188 pixels.

Does Indeo software support interlaced video?

In general, AVI (audio/video interleaved) compressors such as Indeo video do not support interlaced playback. MPEG-2 is the recommended solution for interlaced video.

I'm a game or multimedia publisher. Can I distribute Indeo video codecs with my CD-ROM application?

Effective August 13, 2001, Indeo codecs and software may be licensed and distributed as part of a commercial software release for a fee. To evaluate and receive information about licensing Indeo, please complete a Partner Program Registration Form available at our website. The codec remains the intellectual property of Ligos, and the Indeo Video logo is trademarked. Any redistribution of any version the Indeo codec or software must include the Indeo Software License Agreement from Ligos or Intel Corporation, and be supported by a signed agreement between the licensor and licensee.

How are video clips protected with the access key function?

Video developers can assign access keys to video files to protect them from being edited or played back with applications that cannot provide the correct key.

I get a “Divide By Zero” error. How do I fix it?

This error occurs when gluing together a sequence of stills and then using the Indeo Video 4 codec for file compression. If the duration of each still shot is long enough, the codec returns a “divide by zero” fault during compression. Work around this problem by shortening the duration of each still frame to less than 1 second. If longer still shots are required, paste several copies of the frame into the movie. This results in duplicate data in the video file, but these duplicates become very small frames once compressed.