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Date	October 5, 2010
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## mp3HD Decoder DirectShow\* Filter

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(Evaluation Version)

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### Origin

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Website: <http://www.all4mp3.com>

Contact: [info@all4mp3.com](mailto:info@all4mp3.com)

### Software package

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This package contains the following software:

- For Microsoft® Windows XP, Windows Vista, and Windows 7
  - mp3HD DirectShow Filter Installer
  - mp3HD DirectShow Filter
  - mp3HD DirectShow System Tray
- For Microsoft® Windows Vista, and Windows 7
  - mp3HD Windows Media Player Support

### System Requirements

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Minimum requirements for the use of the software are:

- Windows XP, Window Vista, or Windows 7
- At least Pentium III 1 GHz or higher
- At least 128 MB memory
- DirectX® 9 or higher

### Installation

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Start the *mp3HDDirectShowSetup.exe* application. The installer will guide you through the installation process. You have to accept the Licensing Agreement to install this application. For Windows Vista and Windows 7, please accept any of the User Access Control warning that appear in the installation process, otherwise the installation fails.



## The mp3HD Format (Some Terminology)

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mp3HD is a new scalable format for high-quality lossless compression of audio signals. It guarantees bit-exact reproduction of the original PCM samples at state-of-the-art compression ratios. As for all lossless compression formats, the compression ratio and resulting data rate depends on the compressed content. As a rule of thumb, the mp3HD codec can compress WAV files to about 30% to 60% of their original size for typical audio content. Typically, smaller data rates are needed to encode classical music or audio books, while Rock and Pop music requires larger data rates.

mp3HD has been designed with the explicit target to be as compatible as possible to the ubiquitous MP3 format. As a consequence, the mp3HD format uses advanced compression algorithms and a special bit stream format in order to be compatible to most of the available MP3 players. Therefore mp3HD is both a lossless format for the reproduction of the original PCM samples and a standard MP3 file that plays on your MP3 player.

The mp3HD Format supports tagging the files with Meta data according to ID3 Version 1.0, 1.1, 2.3 and 2.4. That is, you can use many existing tools to add ID3 tags to your mp3HD content, and to manage and organize your audio collection.

## The mp3HD DirectShow Filter

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The mp3HD DirectShow filter offers decoding of standard mp3 and mp3HD files for DirectX compatible audio applications. The mp3HD DirectShow installer registers the mp3HD DirectShow filter in the DirectX environment for the file extension “.mp3”. Therefore, each DirectX audio application that decodes mp3 files automatically uses the mp3HD DirectShow filter for mp3 decoding. Please be aware that any installation of other mp3 DirectShow filters will disable the mp3HD filter. However, you can recover the mp3HD DirectShow filter by calling the mp3HD DirectShow installer.

The mp3HD DirectShow filter is compatible to the following mp3 standards:

- MPEG-1 Layer III
- MPEG-2 Layer III
- MPEG-2.5 Layer III
- mp3HD

## The mp3HD DirectShow System Tray

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The mp3HD DirectShow System Tray shows the mp3HD icon in the Windows System Tray. It displays the mp3HD logo if mp3HD files are decoded with the mp3HD DirectShow filter. You can disable the mp3HD logo by clicking the right mouse button on the mp3HD System Tray icon. Then you can disable or enable the Enable Splash Screen option.

Under Windows Vista and Windows 7 the mp3HD System Tray can also enable mp3HD support for the Windows Media Player. For more information read the following section.

The mp3HD DirectShow Installer copies a link to the mp3HD DirectShow System Tray application (mp3HDSplash.exe) into the start-up folder of the Windows start menu. If you wish to disable the mp3HD System Tray at the Windows startup delete the mp3HDSplash link in the Windows System Start Menu “Start->Programs->Startup”. You can start the mp3HD System Tray manually from the Windows Start Menu “Start->Technicolor->mp3HD”.



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## mp3HD Windows Media Player Support

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For Windows XP the Windows Media Player (WMP) does not use DirectShow for mp3 file decoding. Therefore we cannot offer any mp3HD support for the Windows Media Player under Windows XP.

For Windows Vista and Windows 7 the mp3 play-back of the WMP has moved to the Windows Media Foundation\*. The mp3HD System Tray can reconfigure the Windows Media Foundation to use Direct-X technology instead of the Windows Media Foundation for WMP mp3 playback. With a right click on the mp3HD System Tray icon you can enable or disable the WMP mp3HD support with the option "Enable mp3HD in WMP". You need to restart the WMP if you changed the "Enable mp3HD in WMP" option while the WMP is running.

**Attention: enabling the mp3HD WMP support will reconfigure the file-based mp3 decoding of the Windows system to use Direct-X technology instead of Windows Media Foundation. Thus, audio applications that exclusively use Windows Media Foundation technology might not be able to play back mp3 files. By enabling the mp3HD WMP support you have to accept this side effect to other programs. If you have any issue with other media player applications, disable the WMP support and restart your applications.**

## Un-install the mp3HD DirectShow Plug-in

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You can un-install the mp3HD DirectShow Plug-in from the mp3HD Windows Start Menu at "Start->Technicolor->mp3HD->uninstall mp3HD DirectShow Filter" or from the Windows Control Panel Menu item "Add or Remove Programs". The un-install process removes the mp3HD DirectShow filter from the DirectX Environment. It further removes all mp3HD tools from your system.

The un-install process does not recover old mp3 DirectShow filter settings. The mp3 support of DirectX is disabled, as long as a new mp3 DirectShow filter is registered.

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