

dsd files for download



12 FREE DSD [DSF DFF, SACD ISO] Player Software [2021]

DSD player software is designed to playback Direct Stream Digital audio files (.dsf, .dff, sacd iso, DoP). Look how to play DSD files via free software (Windows, Mac, Linux, Android, iOS for iPhone, iPad), about sound quality, comparison list, F.A.Q. at this page - explanation by audio software developer Yuri Korzunov. Table of content (click to show).

DSD player list How to play DSD files How do I get the best sound quality on my computer? What is bit-perfect mode What is gapless playback Offline conversion mode Inline conversion mode DAC interfaces What is the best DSD player.

HD audio file conversion.

DSD player list.

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DSD player audio software list [See FREE audio players for hi-res]

Run as firm ware from flash stick me mo ry on PC, Rasp berry Pi, other.

Read about DSD DACs >

Read more about mobile device connections to DSD playback here.

How to play DSD files.

To play DSD files, audio player software should be configured properly. DAC may be either DSD or PCM. There is no general rule, that is the best sound quality for every case. When PCM DAC is used, the conversion of DSD to PCM format is used. DSD DAC may get an audio stream natively ("native DSD" stream via ASIO driver) of DoP (DSD over PCM).

Read more details below.

How do I get the best sound quality on my computer?

You can get the best sound quality on your computer / laptop on Windows, Mac, Linux or mobile device on Android, iOS, when you reduce weak places of the audio-signal path and your DAC works in optimal resolution.

What is bit-perfect mode.

DSD files may be played back in bit-perfect modes:

DSD file (DSF, DFF, SACD ISO); DoP (DSD over PCM) file (FLAC, WAV, AIFF, other lossless PCM files).

Bit-perfect means transmission of audio file content to DAC without altering.

What is gapless playback.

When uninterrupted albums (operas, concerts) listen, non-gapless playback can cause clicks at track borders.

Gapless playback means playback album as a solid (uninterrupted) stream without re-initialization of DAC.

If the album is converted from an audio format to another one with resampling, it can cause artifacts at track borders. To avoid the track-border artifacts, True Gapless conversion may be used.

Offline conversion mode.

With bit-perfect mode, you can playback offline pre-converted audio files (including PCM to DSD). This mode doesn't consume additional computing resources for altering an audio file. Also, it saves electrical energy that is spent on processing.

Many digital audio players (DAP) capable of playback at stereo headphones. But some of your records may be multichannel.

When DAP plays a multichannel record, it downmixes to 2.0. Downmixing is a lossy operation and its sound quality depends on implementation.

Also, extra channels consume free space on the hard disk of the DAP. Offline pre-downmixed to stereo files allow saving more songs on hard disk.

If file played back on a mobile device in bit-perfect mode or with minimal processing, it allows:

saving battery charge; getting a longer time of autonomous work; getting more computing resources for other (not audio player) applications.

Inline conversion mode.

DSD and PCM files may be played back with inline (real-time, "on-fly") altering of audio content:

with DSD resampling; with room correction; with conversion DSD to PCM on PCM DAC.

This mode allows saving time for pre-converting of various audio files to the best sounding mode of DAC. But each playback can consume big computing resources for resolution conversion and other processing.

Real-time playback conversion DSD to PCM on mobile devices consumes additional battery charge and part of the device CPU performance. It can cause a lesser time of autonomous work and reduce the response of other (non-player) applications.

Inline (real-time) vs offline conversion of audio files on mobile devices.

Offline conversion of audio files gives a longer battery lifetime. Because a mobile device performs a lesser calculation number.

Also pre-downmix, pre-conversion DSD to PCM, pre-downsampling save free space at the hard disk of the mobile device.

DAC interfaces.

To DSD playback (including bit-perfect) under Windows, DAC may be connected to an audio player via ASIO driver or DoP protocol.

Also, WASAPI (with DoP) interface may be used to playback (including bit-perfect).

DoP is the special open protocol for coding DSD into a PCM audio stream. The stream cannot be played back as PCM.

To DSD playback under Mac, DAC may be connected to an audio player via DoP protocol.

Read more about:

What is the best DSD player.

In audiophile application, the players are compared by sound quality.

If the player has bit-perfect mode and used DAC support played file resolution, sound quality is the same for such players.

But, if an audio resolution is altered or EQ is used, then applied processing quality is a matter.

In general, the best DSD player with processing should cause minimal distortions.

Also kind of distortions may be matter.

Frequently Asked Questions.

What is DSD player? How do I listen to DSD files?

DSD player is a device or software, that capable to play audiophile format Direct Stream Digital. It may be suggested as SACD optical disks or computer files.

Is DSD better than FLAC?

It is a matter of recording quality and playback tool implementation. Read about DSD and FLAC comparison.

Is DSD audio worth it?

DSD allows simplifying a playback system and solves some issues of an analog filter of ADC and DAC, theoretically. But implementation of the system makes actual result. See more.

Is DSD dead?

No. DSD music is produced and sold nows. See DSD music download site list.

What is the highest quality audio file?

As rule, it is lossless files in high resolution (WAV, FLAC, DSF, DFF, SACD, SACD ISO and others).

Where can I download FLAC songs for free? Where can I download high-quality music for free?

You can download high-quality (high-resolution) files from the download resources into the list here.

Where can I get a DSD?

See the list of DSD download sites here.

Can VLC play DSF?

Looks like, VLC can't play DSF. Follow the current state here.

Can Android Play DSD?

Yes. There are Android player software that can play DSD files. See here.

Can iPhone play DSD files?

Yes. Some iPhone (iOS) music player software can play DSD files. See here.

How do I play DSF files with foobar2000?

Yes, you can. Read foobar2000 DSD playback guide here.

Can Windows Media Player play DSD?

No. Windows Media Player can't play DSD. But, you can use other software.

What is DSD music file?

DSD audio files are files, capable to contains DSD audio content: DSF, DFF, SACD ISO and DoP FLAC, WAV, etc. Read details here.

What is DSF audio file?

Read DSF file quick guide here.

How do I open a DSF file?

Read how to open DSF file.

What is DFF audio file?

DFF file is one of DSD files. Its audio data content is identical to DSF by sound quality. Read DFF file details here.

How do I open DFF file?

DFF file is supported by software.

How do I play DFF files?

DFF files are played back via audio player software.

How do I play SACD ISO file?

You can play SACD ISO at hardware and software players.

However, SACD ISO may contain stereo and multichannel album variants. And it consumes additional place at hardware player.

You can extract SACD ISO to DSD or PCM files. Your choice PCM vs DSD is a matter of your music player and hardware ability.

See more:

Software to playback SACD ISO files. Play SACD ISO on foobar2000. How to choose target format.

How do I convert DSF to FLAC?

Read about conversion DSF to FLAC here.

How do I convert DSF to mp3?

Read about conversion DSF to mp3 here.

What is native DSD support?

DSD files may be played back 3 ways:

on-fly conversion DSD to PCM, and playback on PCM DAC (in PCM mode of the DAC); offline conversion DSD to PCM with conversion software, and playback on PCM DAC (in PCM mode of the DAC); transmit DSD audio stuff to DSD DAC to playback.

Option #3 is called "native DSD support". DSD may be transmitted via ASIO driver or as DoP.

Which is best format for audio?

Many audio formats intersect by features and can replace each another. Read more which format is the best..

What is DSD audio? How it works, where to download files, and more.

The DSD format seems to be back in fashion again. Most new digital products boast DSD compatibility, and the music catalogue is now big enough to command respect, especially if you're into jazz and classical.

But what is it? And how is it different from the digital signals used in CDs and every other hi-res music format? Let us explain.

PCM explained.

Digital signals take the form of two states that can be represented by 0 and 1, but this information needs to be arranged in a specific way to be of any use. In just about every case the system to organise the digits is known as PCM (Pulse Code Modulation).

Let's have a quick recap of how PCM works before we continue.

With PCM, the original analogue music waveform is described in two parts. The first is its amplitude (size). In CD this is represented by 16-bits of digital data, which gives us the ability to define 65,536 different signal levels.

The original music waveform has to be measured at regular intervals in order for it to be represented properly. The measurement is done 44,100 times a second. While that looks like an arbitrarily large number, it's chosen quite carefully to ensure that the full frequency range of human hearing (20Hz to 20kHz) is covered.

DSD and SACD.

DSD (Direct Stream Digital) takes a different approach. Back in the mid-1990s, it was originally conceived as a way of archiving old analogue recordings.

It was designed to be a simpler, more space efficient way of storing digital music data than PCM. Importantly, DSD was also designed to be easy to convert to PCM files with sampling rates based on multiples of 44.1kHz.

Around the same time, Sony and Philips were developing a replacement for CD, something that ultimately became the SACD disc. DSD seemed an ideal system to build the new format around, particularly as it has great copy protection.

The main attraction of DSD is its simplicity and, with that, cheapness of implementation. It needs less processing than PCM and can use simpler, far less expensive DACs.

How does DSD work?

DSD uses a single bit of information, and all this information tells us is whether the current sample of the analogue waveform is higher or lower than in the previous one. Compared with the over 65,000 different values 16-bit PCM has, the two values (0 if the new sample if the signal is lower or 1 if it's higher) of DSD appear mighty limiting.

That resolution shortfall is made up by the very high sampling rate of over 2.8 million times a second – that's 64 times the speed of CD. Standard DSD is sometimes called DSD64 for this reason, with double and quadruple speed versions called DSD128 and DSD256 respectively. There's even a DSD512 spec, though we've never heard any material encoded in it.

Standard DSD recordings are still relatively rare compared with the PCM alternatives, and those higher speed versions are extremely niche. DSD fans claim the format is as close to analogue as digital gets.

If you could look at a DSD digital stream, it's possible to draw the analogue waveform simply by looking at the density of 0s and 1s. The more 0s there are, the lower the waveform goes, and it's the opposite for ones. Where there is a balance of the two values, we're at, or close to, the zero signal point.

What are the downsides to DSD?

That all looks good, but there are also issues with DSD. It's not very practical to manipulate a DSD recording.

All the things that are required post-recording such as equalisation, editing, dynamic range control and adding reverb usually involve the DSD stream being converted to PCM to do the processing and then switched back.

That's hardly a pure way of doing things, right? Just about every studio recording made with DSD goes through this process. It's down to a lack of suitable equipment and processing software.

You may come across the term DXD on a recording. This is where the original DSD signal has been converted to 24-bit/352kHz PCM and processed in that form throughout. While the name (intentionally or not) sounds like DSD, it is simply very high resolution PCM.

When it comes to measurement, DSD also has issues with high levels of noise compared with PCM. Clever processing techniques allow the

engineers to shift the noise above our hearing, and optimise the performance and dynamic range in the audible region. The high-frequency noise is generally filtered out.

Is DSD hi-res?

So how high resolution is a DSD recording? There's no exact way of striking equivalence between PCM and DSD but it's around the same as 24-bit/88.2kHz PCM.

In terms of dynamic range, DSD is claimed to be around 120dB in the audible frequency range. In comparison, CD measures around 96dB, and 24-bit/192kHz recordings have a theoretical maximum of around 144dB.

Although the bigger numbers are more impressive, even the range of CD is considered more than enough to cope with any recording.

How do you play DSD?

DSD playback has become far more common in digital equipment over recent years and that's down to the greater availability of downloadable music files. Just make sure your portable music player, streamer and/or DAC are compatible with the format.

Most recent mid-to-high end digital playback equipment tends to be compatible, so if you have something suitable there's no reason to treat it any different from FLAC or WAV files. Some flagship smartphones support DSD natively. Even Apple iPhone users can play DSD files using additional equipment.

On a download site, you may occasionally come across the terms DSF and DFF. These are two kinds of DSD files, but the only thing you need to know about them is that you should always choose the DSF version if your player is compatible – it's better at holding a track's metadata information (artist/song name, album art etc).

Where can you buy DSD audio files?

Most of the major audiophile music sites sell DSD downloads. The likes of HDtracks, Highresaudio and Primephonic are good places to start.

Alternatively, if you prefer physical formats and have a compatible disc player, then SACDs are still fairly widely available.

DSDPlus Fast Lane Program

Early access to features is being offered through the DSD+ Fast Lane program. Fast Lane updates are expected to be released about once per month. Some Fast Lane updates WILL have issues/bugs. That is the nature of alpha software. Fully tested public releases will continue to be released, approximately every 6 months. In light of...

FMPA (v2.7) update with Airspy Mini support.

June 26, 2016 DSDPlus No Comments.

FMPA 2.7 Download This version of FMPA adds support for the Airspy Mini. This version of FMPA can be TCP linked to DSDPlus v2.10. Demodulated audio can be passed to older DSD+ versions (and other programs) via VAC or VBC.

2021 Best 7 Sites for Lossless Music Download (Paid and Free)

Lossless music keeps the original flavor of the audio. Many audiophiles love lossless music and are looking for good places to buy or free download lossless music. If you are one of them, we can help you. We have handpicked 7 best sites for lossless music downloads. Let's dive in!

The lossless studio records are to capture every detail of the music. And for music lovers, it's such a joy just listening to these lossless quality audio. If you want to know where you can find lossless music, this review can help you out. We have selected the 7 best sites for lossless music downloads below. Read on!

A Free Tool to Convert/Download/Edit Music.

WonderFox Free HD Video Converter Factory can help you: Download music from YouTube, SoundCloud, etc. without any hassle; Convert among different audio formats to ensure a smooth playback; Edit music bit rate, merge audio files, cut audio, and so forth;

Compatible with Windows 10/8.1/8/7/.

100% Clean & Safe.

Compatible with Windows 10/8.1/8/7/.

100% Clean & Safe.

Best Five Sites to Buy Lossless Music Downloads.

1. 7digital.

7digital offers in its Hi-Res/FLAC section a wide variety of lossless audio ranging from brand new releases to all-time classics. You can explore your favorite music by genre or search it up by album, track, artist. You can also try the top picks of the week and carefully-curated song lists by the staff. The music is available either in 16-bit FLAC (CD resolution) or 24-bit FLAC, or both. And they are selling at reasonable prices from \$11.99 to \$23.99, with a single track for \$1.49.

2. Qobuz

Qobuz is another good site to download lossless audio from a huge collection, covering Pop/rock to Classical and plenty in between. It is also an ideal place to buy lossless music downloads for a good price that ranges from \$8.99 to \$19.49. And you can sometimes get a Hi-Res album lower than \$10 if you subscribe to their Sublime Plus. The music sells in 16-bit/44.1kHz CD and 24-bit/192kHz Hi-Res FLAC.

3. HDTracks.

HDTracks is one of the most renowned sites to download lossless music. It has an extensive library of lossless audio downloads of all genres. And it provides the optimal audio quality in 24-bit with 44.1, 48, 88, 96, 192, and the highest 352kHz. Most albums or tracks are available in multiple formats, like AIFF, ALAC, WAV, FLAC, and DSD. The general price is between \$12.98–\$41.08, a little higher than Qobuz. But with a coupon code, you'll get a good deal.

4. ProStudio Masters.

ProStudio Masters claims to have music received directly from labels, which guarantees the audio being true HD lossless. The audio quality is available in 24-bit with 44.1, 96, 192kHz AIFF, FLAC, MQA. Some albums are also in DSF format. The price for a whole album varies greatly and usually attend with a varying discount as well. The music ProStudio Masters offered includes genres such as Alternative, Blues, Classical, Country, Francophone, Holiday, Jazz, Pop, R&B/Soul, and others.

5. Acoustic Sounds Super HiRez.

Super HiRez offers lossless audio downloads in the most streamlined way possible. If you have a particular demand for the format, look no further than Super HiRez as it sorts its titles into ALAC, DSD, and FLAC downloads. It also provides one of the largest selections of songs, with Pop/Rock and Classical music being the main section. The pricing is a lot higher than the before-mentioned sites, usually between \$17.98 to \$29.99.

Note : Aside from the sites mentioned above, other sites like Bandcamp and Tidal sell lossless music as well. But people have been complaining about buying fake lossless songs from these sites as some of the songs turned out to be an upscaled MP3 file. So if you are using these sites, be careful to use an audio checker to check the true quality of the audio.

Where to Download Lossless Music Free?

There are still several music download sites where you can get some HD music download free. But there is only a narrow selection of songs and you are less likely to find any famous label records. Yet if you dig deeper, you will find some hidden gems. Here are the two sites to download lossless music free:

Tips : Many torrent sites offer lossless music free download as well. Yet there are potential risks when you download torrents. So we won't include these torrent sites here. But if you are interested in torrenting, check this article for more detail: [Everything You Need to Know About Torrent](#).

6. Internet Archive.

When speaking of free stuff, the Internet Archive is the first name to spring to mind. For it archives literally all kinds of digital materials and offers free public access to these files. You can find a quantity of FLAC lossless music on this site by searching (format:(24Bit FLAC) OR (flac24) OR (24-bit) OR 24bit) AND collection:etree . And you'll get live recordings, netlabels, and other lossless audio categorized by topic, collection, creator, language, year, and so forth. Though finding some known names is all by luck, you can still find a collection of Grateful Dead. In Musopen Collection as FLAC list, you are also allowed to download a good selection of classical music in FLAC.

2L is, in effect, a site to evaluate different lossless audio formats. It provides twenty FLAC and WAV sample songs with 24-bit in 96 kHz, 192 kHz files, 352kHz, and DSD 64, DSD 128, and DSD 256.

At Last...

That's all the seven paid and free lossless music download sites. Thanks for reading!

WonderFox DVD Ripper Pro.

Want to listen to the original soundtrack of your musical movie DVD? All you need is to rip the DVD to WAV/FLAC/MP3... with WonderFox DVD Ripper Pro, and then you can enjoy it freely, without buying it online. Besides being a DVD audio ripper, it can also copy your DVD to digital video formats like MP4/MKV/MOV/AVI... with zero quality loss. Try it for free!

DSD Files and Where to Download Them

DSD seems to be all the rage among the headphone community as it is becoming easier to stream the uber high resolution format. As of late, I've been asked quite a few times either what are DSD files and for the more advanced audiophiles, where to download them. If one or the other applies to you, you've come to the right place. "DSD Files and Where to Download Them."

DSD Files and Where to Download Them

What are DSD Files?

In order to fully understand DSD, you'll need to understand a more common audio file, PCM.

PCM stands for pulse-code modulation and it is used to digitally represent sampled analog signals. It is the standard form of digital audio in computers, compact discs, digital telephony and other digital audio applications. PCM is both an uncompressed and lossless audio format, quite often acting as the source data for creating other audio file types. PCM, in regards to CD playback, is measured as 16-bit resolution at a sampling rate of 44.1 kHz. DSD, on the other hand, has 64 times the CD sampling rate.

DSD was actually developed by Sony and Philips in 1999 and was intended to supersede the standard CD format. At that time it was called Super Audio CD playback or SACD. Today, this format is stored in DSD.

You may have also seen DXD from time to time and no, it's not a typo. It is in fact another type of file. DXD stands for Digital eXtreme Definition and it is where the original DSD signal has been converted to 24-bit/352kHz PCM and processed in that form throughout a recording. Basically, a very high resolution PCM.

Back to DSD, so how high-res is DSD? What Hi-Fi was gracious enough to break that down saying, "There's no exact way of striking equivalence between PCM and DSD but it's around the same as 24-bit/88.2kHz PCM. In terms of dynamic range, DSD is claimed to be around 120dB in the audible frequency range. In comparison, CD measures around 96dB, and 24-bit/192kHz recordings have a theoretical maximum of around 144dB."

DSD Files and Where to Download Them (Where can you download DSD Files)?

So, now comes information many have requested, where to find them. DSD files can be purchased. They are all linked down below.

Do you still have any burning questions about DSD files and where to download them? If so, give us a shout down below.