

# DSD playback set up quide for the QuteHD and QBD76 HDSD DACs

As well as playback of standard PCM audio up to 192kHz, the QuteHD and QBD76 HDSD DACs will also playback native DSD files in DSD64 .DFF format, via the USB input. Examples of DSD64 files can be downloaded from sites such as <u>http://www.2l.no/hires/index.html</u>

In order to play these files you will need to configure the playback software correctly to output the DSD files in the correct format for the QuteHD and QBD76 HDSD to decode. Using this method, it is important to understand that the DSD files are not converted to PCM but left in their native format as pure DSD.

## **Microsoft Windows OS-based computers**

We recommend using either HQPlayer <u>http://www.signalyst.com/consumer.html</u> or J.River Media Center 17 <u>http://www.jriver.com/</u> as these are the only programs that currently support DSD-over-USB playback.

# J.River Media Center

Go to the 'Player Menu', then 'Playback Options', then select 'Video Options'.

	Options	
Audio         Images         Video	<ul> <li>General Video Settings</li> <li>Video mode: Red October Standard (recommended)</li> <li>Hardware accelerate video decoding when possible</li> <li>Bitstreaming: Yes (DSD over PCM (DoP))</li> <li>VideoClock (smooths video by adjusting audio)</li> <li>Normalize volume (increases volume of quiet videos)</li> <li>Subtitles &amp; Language</li> <li>Subtitle mode: Do not show subtitles</li> <li>Default subtitle language: No subtitle</li> <li>Default audio language: No default language</li> <li>Subtitle size: 100%</li> <li>Subtitle font (for text-based subtitles)</li> <li>Display Settings</li> <li>Crop Edges</li> <li>Advanced</li> </ul>	
Type your search here		OK Cancel Help

Select the 'Bitstreaming' option and select 'Custom' from the available options.

1	None (recommended)
-	S/PDIF
1	HDMI
~	Custom

You will then need to select the bitstreaming formats from the options. Select only 'DSD over PCM (DoP)' then select the DoP format as 'DoP 1.0 (0xFA / 0x05)'. Click OK to finish.

	Bitstreaming Formats X
Dolby Digital (AC	3)
🖶 Dolby Digital Plu	s (E-AC3)
Dolby TrueHD	
DTS	
DTS-HD	
DSD	
DSD over PCM (I	DoP)
DoP Format:	DoP 1.0 (0xFA / 0x05)
	OK Cancel

That's it. You can now play native DSD files via the USB interface on the QuteHD or QBD76 HDSD!

# Signalyst HQPlayer

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Length	Performer / Artist					Song				

Go to 'File', then 'DSDIFF/DSF settings' and select 'DirectSDM'. Then select Direct Playback type as 'DoP Marker'.

DSDIFF/DSF settings			? X
DirectSDM	🔲 6 dB gain		
Conversion type	Noise filter		
single-steep 🔹	standard	•	
Direct playback type			ОК
DoP marker		-	Cancel

Finally, using the menu on the right-hand side of the main screen, change the playback mode to 'SDM (DSD)'.

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Length	Performer / Artist			Song			

Select the DSD .dff file you want to play from the library and play as normal. Please note: when you want to play PCM files you need to change the playback mode back to PCM using the menu on the right hand side.

## **Apple Mac OS-based computers**

We recommend using either Audirvana Plus <u>http://audirvana.com/</u> or Pure Music <u>http://www.channld.com/puremusic/</u> as these currently are the only programs to support DSDover-USB playback.

## **Audirvana Plus**

Select the 'Preferences' tab



Change the Preferred Audio Device to 'Chord 24/192 USB Interface'



Then select the Native DSD Capability to 'DSD over PCM standard 1.0'



Close the window and then you will be ready for DSD playback!

#### **Pure Music**

Select the 'Audio Setup' Tab



	Strict Device Validatio
Output Input and Playthro	ugh Special Options
Output Device Integer requires Mem	ory Play, Preallocate and Supported Device
Built-in Output	\$ 44.1 kHz \$
DSD Preferred Equivalent PCM Playback Rat	e (Maximum): 176.4 kHz 🛟
The output device selected in Audio MIDI Se	etun cannot he used with Hon mode
The output device selected in Audio MIDI Se Current Device and Target sample rate	etup cannot be used with Hog mode. are only updated at launch time.

Set the DSD Preferred Equivalent PCM Playback rate as '176.4KHz'



Then select the 'Special Options' tab...

Output In	put and Playthrough	Special C	ptions
Special Options	Read Description in	n User G <mark>uide B</mark> ef	fore Changing Settings
O MOTU Traveler Seconda	ary Output Streams		
Limit Rate: 192 kHz	:		
DSD Setup CAUTIO	N - Read Description in	User Guide Befo	re Changing Settings!
DSD Streaming Device:	Chord 24/192 Usb Inte	erface	
	Copy Curren	t Output Dev	ice Name
	Press the Click to Apply	Flag: (	AAAA   O SFA
The output device selec	ted in Audio MIDI Setup	cannot be used	with Hog mode.

... and tick the 'DSD Streaming Device' box and select the 'Chord 24/192 USB Interface'. Then select the '05FA Flag'. Finally, press the 'Click to Apply Changes' button. You are now ready to play back DSD files!

We hope you enjoy the emerging world of DSD music downloads. If you have any technical issues setting up your DSD playback using this guide, please email us in the first instance at: <a href="mailto:sales@chordelectronics.co.uk">sales@chordelectronics.co.uk</a>

Thank you