

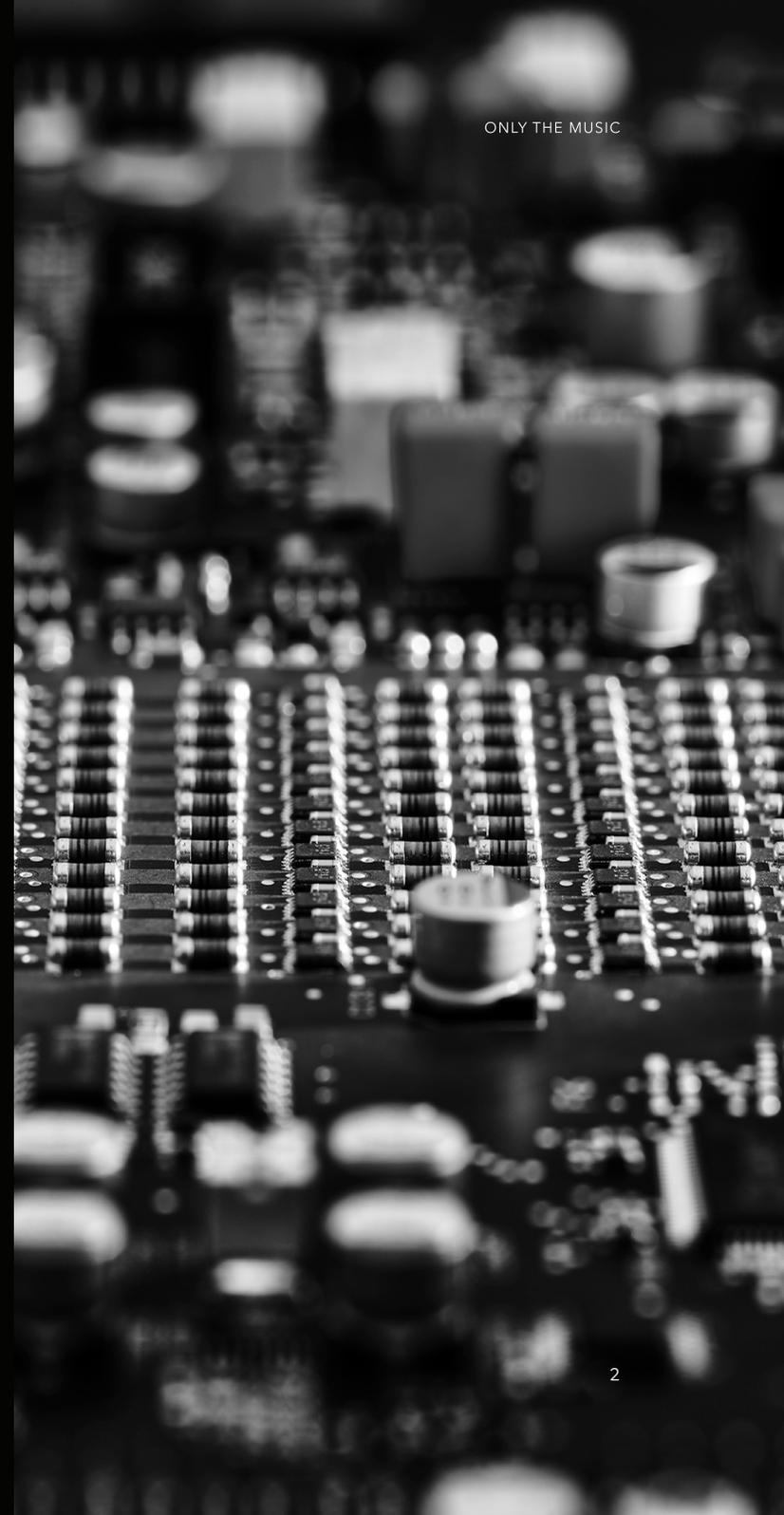
*dCS*



# VIVALDI ONE APEX

Our beloved Network Music Player  
& CD/SACD Player. Now featuring  
the dCS Ring DAC™ APEX

The Vivaldi One APEX is a new, enhanced version of the Vivaldi One - the acclaimed single-chassis Network Music Player and CD/SACD Player created to celebrate 30 years of dCS. Our 2022 model combines all the benefits of the original VOS with our new dCS Ring DAC APEX hardware to deliver an even more profound musical experience



“[The Vivaldi One] has immense rhythmic insight, offers panoramic soundstaging, vibrant tonality, firecracker dynamics and can properly convey the natural rhythm of the music, regardless of how complex this may be....”

“Its brilliant tracking of dynamics gives a riveting, seat-of-the-pants ride. Regardless of source, it focuses on the music’s emotional impact and rams it right home.”

**hi-finews**

Paul Miller & David Price review the original Vivaldi One

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## The ultimate single-box system

Powerful, versatile and endlessly flexible, the Vivaldi One APEX offers the same core technologies as the globally renowned dCS Vivaldi series, including the latest-generation dCS Ring DAC and Digital Processing Platform, and dCS's proprietary clocking architecture.

It supports all major lossless codecs, including MQA, and is compatible with a wide range of streaming services and music management platforms, including Roon, TIDAL, Qobuz, Deezer, Internet Radio and Spotify. It also supports streaming via Apple AirPlay, TIDAL Connect and Spotify Connect.

For silver disc enthusiasts, its Esoteric VMK3 VRDS-Neo CD/SACD mechanism works in tandem with dCS hardware and software to extract revelatory levels of detail from standard and Super Audio CDs.





An array of digital inputs, plus multi-stage DXD oversampling with optional DSD/64 or DSD/128 upsampling, and user-selectable DSP and DSD filters, offer unrivalled flexibility. The system's performance is driven by flexible firmware, which can be easily updated to deliver new product features and enhancements.

An aerospace-grade aluminium chassis reduces mechanical vibration and magnetic effects for enhanced audio performance, while features such as multi-stage power regulation, twin mains transformers, and separate power supplies for digital and analogue sections ensure maximum consistency and reliability.



Play/Pause



Input



Menu



Power



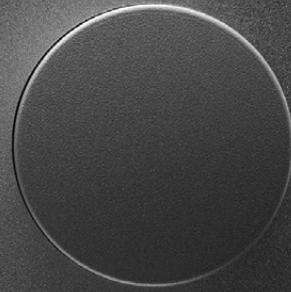
Stop/Eject



◀ Rwd



Fwd ▶



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## An exceptional feat

The original Vivaldi One was released in 2017 to mark 30 years of dCS. The system was created to celebrate three decades of audio innovation, and all that we'd achieved with the launch of the dCS Vivaldi – a series that set a new benchmark for audio performance.

We took the pioneering technical DNA that we'd developed for the Vivaldi, plus new innovations released in the years following its launch, and set out to create the world's finest all-in-one digital playback system: an exquisitely finished, endlessly flexible and hugely powerful design that delivered outstanding sound for all listeners. Several months of intensive development later, the Vivaldi One was made available in a limited-edition release of 250.

Five years on, this celebrated music player remains beloved by audiophiles and music lovers around the world. With the launch of the Vivaldi One APEX, we have created a brand new edition that combines the Vivaldi One's original features with improved hardware that delivers a wide range of sonic and measured benefits.





## The Ring DAC APEX

The dCS Ring DAC is an integral part of all dCS DACS and integrated music players. This novel invention – one of several bespoke technologies created by dCS – is one of the reasons our systems have earned global acclaim for their transparency and fidelity.

Developed from the ground up by dCS engineers, it features a combination of proprietary hardware and software that has been carefully honed and refined over three decades to deliver a world-leading technical and sonic performance.

In 2022, we released a major update to the Ring DAC's hardware, which allowed us to further enhance the musical performance of our Vivaldi DAC, Rossini DAC, and Rossini Player.

The latest-generation Ring DAC APEX hardware brings a number of benefits. Noise and distortion has been further reduced, and linearity increased by over 12dB. Our subjective listening tests, in turn, have revealed a number of sonic improvements, with listeners noting enhanced enhanced dynamics, rhythm and timing, greater soundstage resolution and image focus, blacker backgrounds, and a heightened sense of realism.

Following the release of the Ring DAC APEX, we decided to create a new, enhanced version of the Vivaldi One - just in time for our 35th anniversary - which features the Ring DAC APEX hardware as standard.

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Data Conversion  
Systems Limited  
PCB40025 Iss. 1a

F8

U311



U314

F7

L301



C363



U313



U323



L302



C323



C365

F6



U310

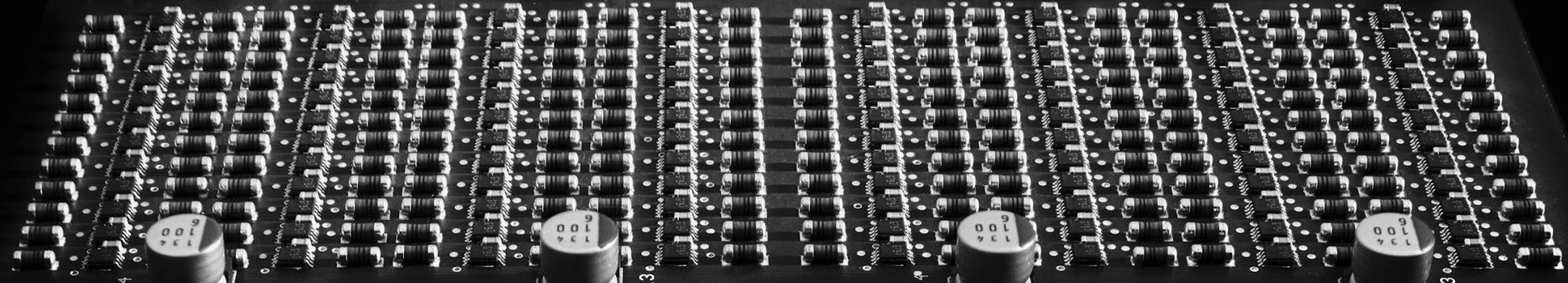


F5



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Ring DAC™  
Ex-03  
94 V-0  
APEX  
EX4921-002



C2314



C2313



C1314



C1313

## THE VIVALDI ONE APEX

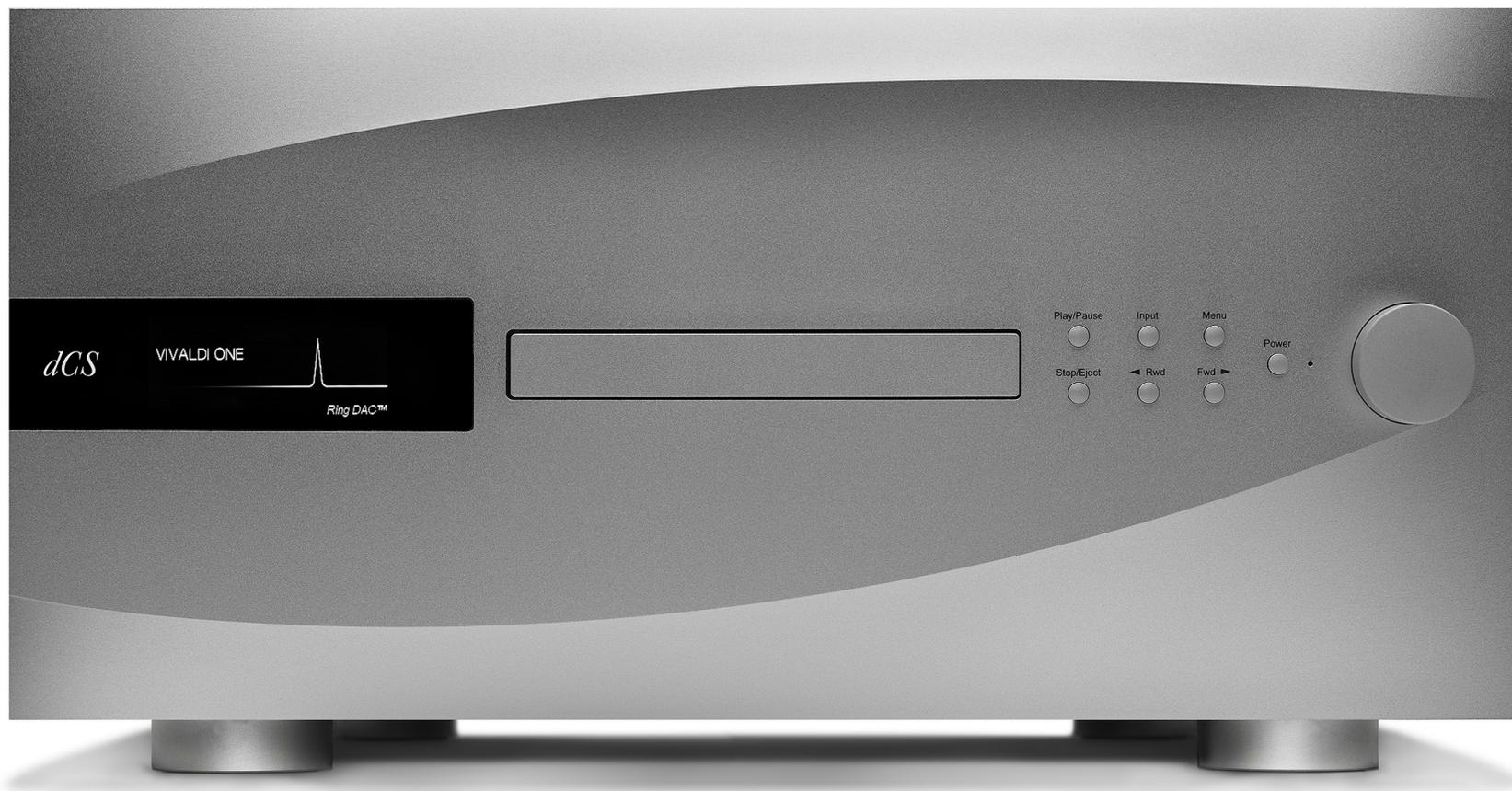
The Vivaldi One Apex will be limited to just 50 units worldwide. It is available in **black or anodised silver** - classic dCS finishes.

Units are available to order now from our select network of specialist retailers, and the system will debut at the 2022 Munich High End audio show.

The first systems will ship in early June 2022, with the remainder shipping in late July.



Customers are advised to contact their nearest dCS retailer for details of pricing and availability. Details can be found using our [online Dealer & Distributor Locator](#)





# Specifications

<b>Dimensions:</b>	444mm (17.5") wide x 420mm (16.6") deep x 220mm (8.7") high. Allow extra depth for cable connectors	<b>Wordclock I/O:</b>	<ul style="list-style-type: none"> <li>• 2 x Word Clock Inputs on 2x BNC connectors, accept standard Word Clock at 44.1, 48, 88.2, 96, 176.4 or 192kHz. (The data rate can be the same as the clock rate or an exact multiple of the clock rate. Sensitive to TTL levels.)</li> <li>• 1 x Word Clock Output on 1x BNC connector. (With Sync Mode set to Master, a TTL-compatible Word Clock is output.)</li> </ul>
<b>Weight:</b>	27.4kg (60.4lbs).	<b>Residual Noise:</b>	<ul style="list-style-type: none"> <li>• 16-bit data: Better than -96dB0, 20Hz - 20kHz unweighted.</li> <li>• 24-bit data: Better than -114dB0, 20Hz - 20kHz unweighted (6V output setting)</li> </ul>
<b>Converter Type:</b>	dCS Ring DAC	<b>L-R crosstalk:</b>	Better than -115dB0, 20Hz - 20kHz
<b>Digital inputs:</b>	<ul style="list-style-type: none"> <li>• Ethernet network port on RJ45 connector, accepts 24-bit 44.1 - 384kS/s PCM, DSD/64 &amp; DSD128 in DFF/DSF format</li> <li>• USB 2.0 interface on B-type connector, accepts 24-bit 44.1 - 384kS/s PCM, DSD/64 &amp; DSD128 in DoP format</li> <li>• USB interface on A-type connector, accepts 24-bit 44.1 - 384kS/s PCM, DSD/64 &amp; DSD128</li> <li>• 2 x AES/EBU inputs on 3-pin female XLR connectors, accepts 24-bit 44.1 - 192kS/s PCM &amp; DSD/64 in DoP format</li> <li>• 1 x Dual AES pair, accepts 24-bit 88.2 - 384kS/s PCM, DSD/64 &amp; DSD/128 in DoP format or dCS-encrypted DSD</li> <li>• 1 x SPDIF on RCA Phono connector, accepts 24-bit 44.1 - 192kS/s PCM &amp; DSD/64 in DoP format</li> <li>• 1 x SPDIF on BNC connector, accepts 24-bit 44.1 - 192kS/s PCM &amp; DSD/64 in DoP format</li> <li>• 1 x SPDIF optical on TOSLINK connector, accepts 24-bit 44.1 - 96kS/s PCM</li> </ul>	<b>Spurious responses:</b>	Better than -115dB0, 20Hz - 20kHz
<b>CD/SACD Mechanism:</b>	TEAC Esoteric VMK3 VRDS Neo	<b>Wordclock I/O:</b>	<ul style="list-style-type: none"> <li>• PCM mode: up to 6 filters give different trade-offs between the Nyquist image rejection and the phase response.</li> <li>• DSD mode: 4 filters progressively reduce the out-of-audio band noise level, a 5th filter offers a minimum-phase roll-off</li> </ul>
<b>Analogue outputs:</b>	<ul style="list-style-type: none"> <li>• 1 x pair balanced outputs on 2x XLR connectors. These outputs are electrically balanced and floating. Output levels: 0.2V, 0.6V, 2V, 6V rms for a full-scale input, set in the menu. Output impedance: &lt;3Ω. Minimum Load: 600Ω (10k-100kΩ is recommended)</li> <li>• 1 x pair unbalanced outputs on 2x RCA connectors. Output levels: 0.2V, 0.6V, 2V, 6V rms for a full-scale input, set in the menu. Output impedance: &lt; 52Ω. Minimum Load: 600Ω (10k-100kΩ is recommended)</li> </ul>	<b>Conversions:</b>	User-selectable upsampling to DXD, DSD/128 or DSD/64
		<b>Software updates:</b>	Provided via dCS Mosaic Control app
		<b>Local control:</b>	dCS Mosaic Control App for unit configuration and playback. RS232 interface (via third party automation system). dCS Universal IR remote control is included.
		<b>Power supply:</b>	Factory set to 100, 115/120, 220 or 230/240V AC, 50 / 60Hz
		<b>Power consumption:</b>	40 watts typical, 60 watts maximum

## Learn more about VIVALDI ONE APEX



Read more about the Vivaldi One APEX [here](#).



Read our in-depth article on the development of APEX and the benefits it provides [here](#).



Learn more about the dCS Ring DAC [here](#).



More information about dCS and our range of products is available at [dcsaudio.com](https://www.dcsaudio.com)



Find out more about our new APEX hardware [here](#).



Images of the Vivaldi One APEX and our Ring DAC APEX hardware are available to download [here](#).



Watch our short film celebrating the launch of the Ring DAC APEX, and our commitment to continuous product development [here](#).



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