

## Product Announcement

### HiFi Rose RS520

Do it all with HiFi Rose.

Didcot, Oxfordshire – 29<sup>th</sup> September 2022

Henley Audio are thrilled to support the official global announcement of the HiFi Rose RS520, the Korean company's brand-new all-in-one network audio streamer. Taking design and technical inspiration from the flagship RS150 network streamer and the stunning RA180 integrated amplifier, announced earlier this year, the new all-in-one is a true high-end solution with enviable flexibility and one-box convenience.



The RS520 includes a built-in network player, DAC, and integrated amplifier in its elegant aluminium chassis. It's designed as a "just add speakers" solution but adds a modern design and high-quality sound to the mix.

Key features include:

- ✓ Complete all-in-one streaming amplifier with 250W per-channel output
- ✓ Connect to streaming services such as Tidal, Qobuz, Apple Music, Spotify and Roon
- ✓ Play your own music and movies via USB, SD, or internal storage, or over the local network
- ✓ Full Rose OS operating system with extensive functionality
- ✓ Built-in digital EQ, to help tailor your sound
- ✓ Multiple digital and analogue connection options including HDMI eARC
- ✓ Sophisticated digital stage built around premium ES9038PRO DAC chip
- ✓ Next-generation Class AD (Advanced D) amplifier design taken from RA180
- ✓ Gallium Nitride FETs in the amplification stage deliver perfect linear output
- ✓ New HiFi Rose discrete op-amps ensure class-leading sound performance and low noise
- ✓ Expertly engineered aluminium housing and premium connection options
- ✓ Bluetooth remote control included, and free control apps available

### HiFi Rose RS520: £3,399.00 (SRP)

RS520 will be available during October 2022 throughout the UK HiFi Rose dealer network.

RS520 will be on display and demonstration for the first time at the UK Audio Show in October 2022.

## **HiFi Rose RS520 in detail**

The RS520 is more than just a source device with a built-in amplifier. It is a true all-in-one product with each stage expertly specified to deliver a performance that rivals multi-box systems. Even when matched with larger or more “difficult” speakers, it delivers a more refined sound quality that is controlled and uniform across the frequency range.

### **Solid Foundations**

Four surfaces of the RS520’s elegant housing are made from one piece of high-durability aluminium, reducing the number of separate parts required to produce the casework. This “one piece” production method dramatically reduces the risk of vibrations transferring through the body and significantly reduces standing-waves, which can affect the end sound quality.

Like all Rose streamers, the RS520 is most identifiable by its large multi-touch screen. Measuring 12.6” wide, the 1920 x 515 resolution LCD panel provides a crystal-clear display that is smooth and enjoyable to interact with for complete control of your listening experience. Core transport controls can also be found on top of the RS520, for ease of use.

### **Rose OS**

At the centre of the RS520 is ROSE OS, HiFi Rose’s Android-based operating system, which opens a world of music and video to your streamer.

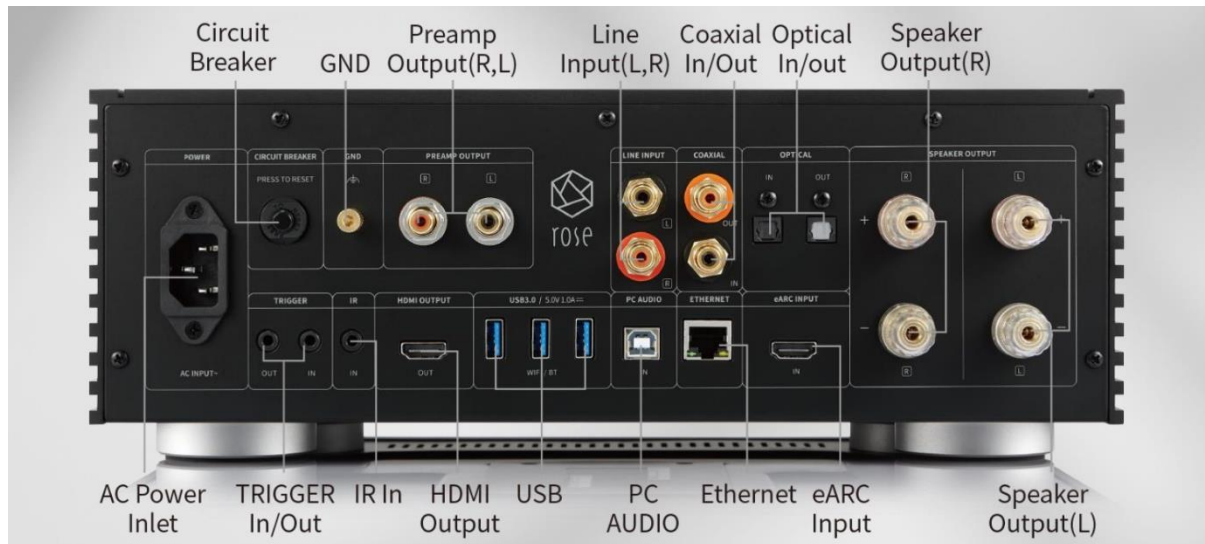
Rose OS allows users to play music and video files from a local storage device (USB, MicroSD or SATA), or access files elsewhere on your home network with a DLNA connection to any NAS drives or other storage devices. The Music app gives a clean presentation of all your connected music sources and is easy to navigate and use. Rose OS also features built-in apps for Tidal, Qobuz and Apple Music - giving complete access to their extensive streaming libraries. The Tidal app even gives access to the service’s music video streaming content for playback on the RS520 screen or via the HDMI output. On top of this already impressive feature set, the RS520 is also an MQA decoder, for full playback of Tidal Masters tracks.

Elsewhere, the CD and CD Ripping apps allow you to attach any standard external CD-ROM drive for convenient CD playback, or to rip CDs in highest-quality to any local storage device in a quick and intuitive way, all through the touch-screen interface. The Radio and Podcast apps give you access to extensive live radio and podcast databases, while Rose Tube gives you access to YouTube for music and video playback. Rose OS also offers support for Roon Ready, Spotify Connect and AirPlay, effectively bringing your entire digital audio experience into one elegant system.

But in addition to offering extensive music access, Rose OS is also engineered for high-performance sound. The Rose Audio Architecture\* within Rose OS can deliver pure audio data to a DAC without loss, thanks to the Rose Audio Server, developed in-house by HiFi Rose to utilise various signal processing technologies. These technologies effectively involve separating the audio data from all other processes required to run the operating system, meaning the audio signal is never affected when you are controlling other aspects of the RS520.

### **Connect what you need**

The RS520 is designed to be the centre of your audio system, and as such it boasts a variety of inputs and outputs. In addition to the analogue Line input, there are also digital coaxial, optical and USB inputs, as well as an HDMI eARC input for controlling your TV sound. For connection to a wider system, in addition to the speaker binding posts, there are also options to connect to an external amp or DAC, as well as the HDMI output for watching video content on a connected screen.



### Engineered for Sound

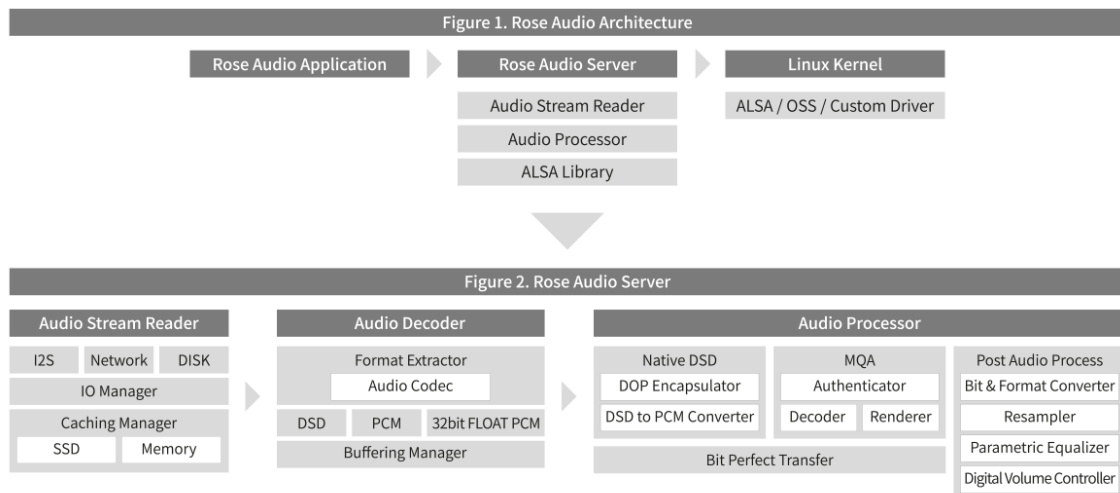
Every aspect of the RS520 is engineered for high-quality sound. Internally, key functions are split across separate boards with individual power feeds for optimised operation. Within the digital stage, the use of the class-leading ES9038PRO DAC chip alongside an ultra-precise femto clock allows for optimised conversion and signal handling. Similarly, in the IV circuit HiFi Rose have employed their own, brand new discrete operational amplifiers to deliver a sound with a wide sense of space and a warm tone.

In the 250W per-channel power amplifier stage, the same Class AD technology found in the RA180 amplifier is used. By using Gallium Nitride FETs as opposed to more common Silicon FET technology, the amplifier output is capable of a far more natural tone, like you would typically expect from an analogue design.

### Do it all with HiFi Rose

The RS520 is a true full-feature product, but designed in a way to deliver a pure, warm sound that can typically only be experienced from an expensive separates system. With the added benefit of Rose OS, it is not just a series of convenient features forced together, it is a meticulously engineered device that offers every feature in the highest possible quality.

### \*Rose Audio Architecture Explained:



## Technical Information

Base Operating System:	Customised Android 7.1
CPU:	Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
GPU:	Mali-T864 GPU OpenGL ES 1.1/2.0/3.0/3.1 OenVG1.1 OpenCL DX11
Memory:	LPDDR4 4GB
Max. Power:	250W (8Ω, 4Ω)
Input Sensitivity:	2V
THD+N @ 1kHz, 100W:	0.01%
THD+N @ 1kHz, Pre-Out:	0.00033%
Damping Factor:	150 (@ 1kHz)
Input Impedance:	100kΩ
Frequency Response:	10Hz – 83kHz (+1 / -3dB)
S/N Ratio:	109dB (@ 250W Speaker Output)
Network Connectivity:	Ethernet 10/100/1000 BASE-T Wi-Fi (802.11 ac Dual band – via dongle)
Bluetooth:	Bluetooth supported (v 4.2)
Streaming Service:	Bluetooth, Airplay, DLNA, Roon Ready, Spotify Connect
Music Services:	Qobuz, TIDAL, Apple Music, ROSE Tube, ROSE Podcast, Internet Radio
Audio Inputs:	Line Input x 1 Optical In x 1 COAX x 1 USB Audio In x 1 HDMI eARC x 1
Audio Outputs:	Analogue Out (Unbalanced RCA) x 1 Optical Out x 1 COAX x 1
Video Output:	HDMI 2.0 x 1 (up to 3840 x 2160 / 60Hz)
Media Connection:	USB 3.0 x 3 (File system-NTFS/exFAT/FAT32, support up to 10TB) SATA SSD x 1 (File System-NTFS/exFAT/FAT32, support up to 4TB)
Network Support Protocol:	SMBv1 / FTP / WebDAV
Supported Audio Codecs:	MQA, WAV, FLAC, AIFF, WMA, MP3, OGG, APE, DFF, DSF, AAC, CDA, AMR, APE, EC3, E-EC3, MID, MPL, MP2, MPC, MPGA, M4A, ALAC PCM: 8kHz - 768kHz (8 / 16 / 24 / 32bit sample rate)
Native DSD:	DSD64 (2.8MHz) - DSD512 (22.4MHz)
Supported Video Codec:	ASF, AVI, MKV, MP4, WMV, MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, VC-1, VP9, VP8, MVC, H.264/AVC, Base/Main/High/High10 profile@level5.1 up to 4Kx2K@30fps

H.265/HEVC, Main/Main10 profile@ level 5.1 High-tier up to  
4Kx2K@60fps

Display: 12.6-inch TFT LCD & Capacitive Touch Screen (eDP)  
Size: 346 x 328 x 127 mm  
Weight: 8.1kg  
Accessories: Power Cord x 1, Bluetooth Remote Controller x 1, Wi-Fi / Bluetooth  
Dongle x 1, Manual x 1, SSD Screw x 4

## Notes for Editors

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### About HiFi Rose

HiFi Rose aims to take you “beyond audio”. It makes products that not only sound exceptional but are also a joy to experience in both aesthetics and operation. The flagship RS150 sets the standard for this aim and delivers on all fronts one of the most innovative streaming devices the hi-fi industry has seen in recent years. The range was expanded in 2022 with the addition of the RA180 integrated amplifier, delivering astonishing specifications and new technologies in a more traditional market sector.

HiFi Rose is a division of Citech, a Korean software company that was originally founded during the 1960s. HiFi Rose assembles all its products in Korea.



### About Henley Audio

Henley Audio has been importing and distributing industry-leading hi-fi equipment to the UK and Ireland since 1997. With a passion for great sound and a firm focus on brand integrity, we work to deliver excellence in both product and service.

Formed as the result of a management buy-out of Ortofon UK, Henley Designs Ltd. (trading as Henley Audio) operates in-house sales, marketing, service, support, and warehouse teams to offer the full turn-key solution for suppliers. The brands we represent are not only highly regarded in their own right, but they also share a symbiotic relationship with other brands in our portfolio.

For more information, visit [www.henleyaudio.co.uk](http://www.henleyaudio.co.uk)

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