

Product Announcement

HiFi Rose RS451

Premium network streamer with built-in headphone amplifier

Didcot, Oxfordshire – 2nd September 2025

Henley Audio are delighted to confirm that the latest HiFi Rose network streamer is making its way to the UK this autumn. First unveiled at Munich High End 2025, the RS451 is another highly innovative release from the Korean streaming specialists. Combining that instantly recognisable HiFi Rose aesthetic with a new variety of headphone output options, the RS451 is an ideal solution for music lovers looking to expand their traditional hi-fi system, or their desktop headphone system.



Featuring trickle-down technology from the flagship RS151 network streamer, the RS451 simultaneously brings HiFi Rose to a wider range of customers thanks to its competitive pricing, while also setting its own high standard for sound performance thanks to its sophisticated internal design. Featuring separate DAC circuitry for the pre-out and headphone-out options, this stylish device is optimised to suit different types of listening.

Key features of the RS451 include:

- ✓ Full-feature network streaming capability with extensive input and output options.
- ✓ Full ROSE OS support, for playback from many popular music services and locally stored music.
- ✓ Innovative signal processing technology, including the Rose DPC™ module from the RD160.
- ✓ **NEW** innovative DAC design with ES9027PRO chips.
- ✓ Low-noise electrical design with Rose NRA™ Filter taken from the RS151.
- ✓ Upgraded CPU, taken from the RS151, for overall improved performance.
- ✓ **NEW** 8" high resolution touch screen.
- ✓ **NEW** headphone output connections makes RS451 ideal for desktop use.
- ✓ **NEW** oversized volume control gives added tactile control for nearfield listening.
- ✓ Android 12 operating system.
- ✓ IR remote control included.

HiFi Rose RS451: £2,699.00 (SRP)

RS451 is shipping in black and silver finish during September 2025.

HiFi Rose RS451 *in detail*

The RS451 is a next-generation network streamer, combining HiFi Rose's advanced digital audio technologies with a new variety of output options and a reduced footprint that's ideal for both traditional hi-fi systems and desktop headphone listening.

Advanced DAC Architecture

The ES9027PRO used in the RS451 is a high-end 32-bit, 8-channel DAC chip designed with ESS's HyperStream® architecture, delivering precise performance optimised for hi-fi audio applications. Its class leading specifications enable delicate and clean sound reproduction. Supporting PCM up to 768kHz and DSD512, it ensures perfect compatibility with high-resolution audio formats. The variety of digital filters also offer a degree of sound customisation, to suit different styles of music or listening preferences.

Advanced Headphone Architecture

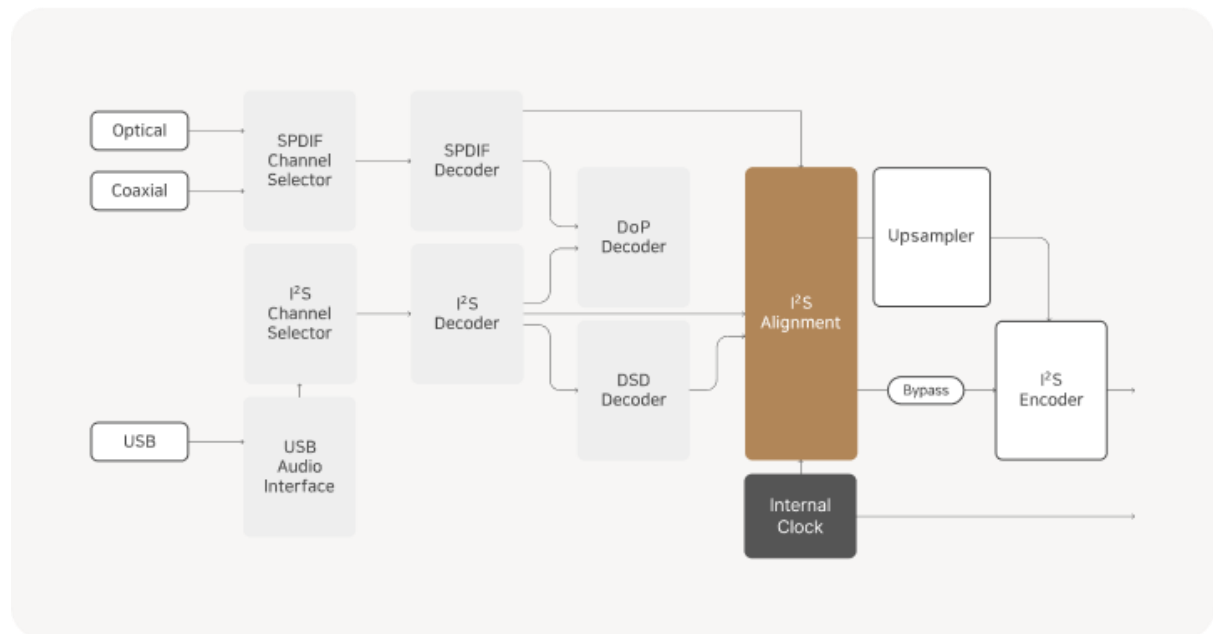
By utilising two DAC chips within its advanced circuitry, the RS451 can deploy one chip for the traditional pre-out stage, and a separate one for the headphone output stage. In this way, the two signal paths are completely separated. The high-performance headphone stage further consists of four individually driven amplifiers that provide strong and stable output, even for low-impedance headphones. Further clarity and performance are guaranteed by the isolated power supply design for each channel. The result is a truly first-class headphone system, all in one box.



Innovative Signal Processing

The RS451 makes use of Rose's Digital Processing Core (DPC) Module, which was originally developed for the RD160 DAC and further employed in the RS151. This module precisely synchronizes any digital

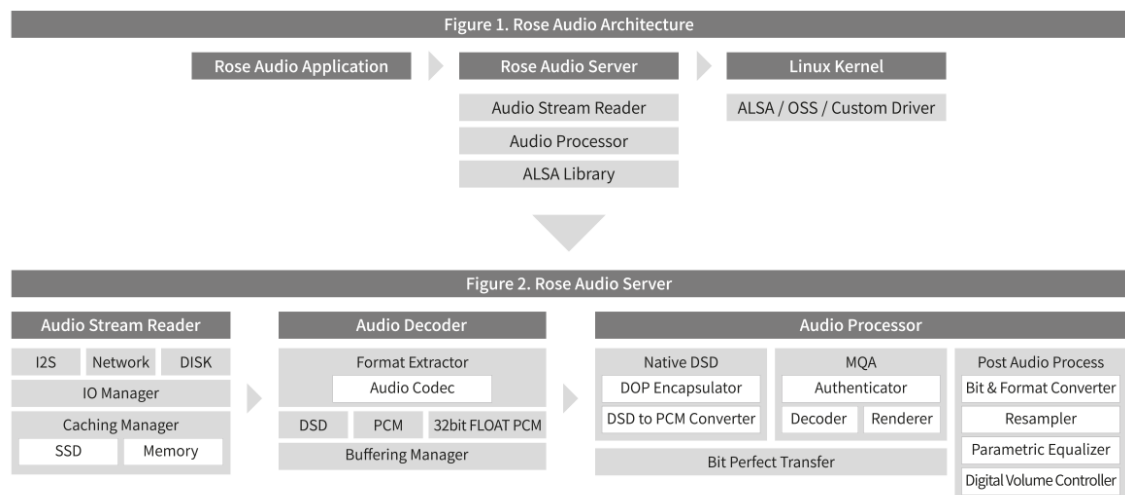
signal the DAC receives with a high-precision Femto clock as an I2S signal. It applies clock synchronization and locking processes to minimise jitter, allowing for accurate processing and a natural, clear sound performance. By isolating this module away from the wider CPU circuitry, it's possible to eliminate signal distortion and interference that's generated within the unit from the digital audio path. The result is accurately processed data, resulting in a natural and clean sound across a wide range of digital formats.



ROSE OS

At the centre of the RS451 is ROSE OS, HiFi Rose's Android-based operating system, which opens a world of music and video content to your streamer. ROSE OS supports local network music playback within Rose's Music app, as well as CD playback and ripping via a connected optical drive. There is also support for internet radio, Spotify Connect, Tidal, Qobuz and Apple Music. The RS451 is also Roon Ready and Plays with Audirvana certified. In addition, the operating system offers support for video playback, either locally or within the Tidal or Rose Tube apps.

As well as ROSE OS, the RS451 makes use of the ROSE Audio Engine, an in-house development that ensures all digital audio is delivered to the DAC without loss for precise signal processing.

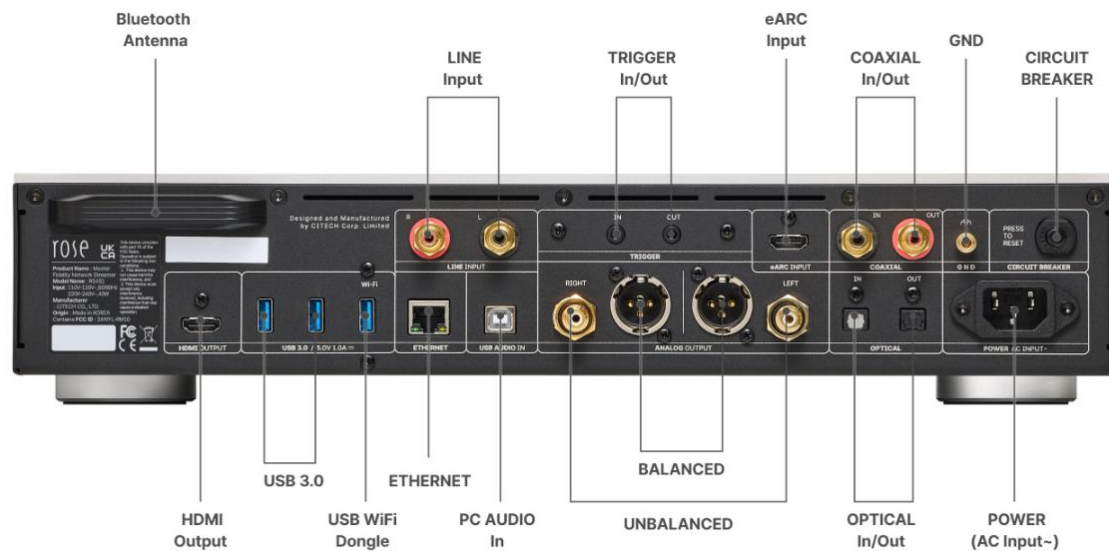


The upgraded 8-Core CPU used in the RS451 boasts powerful data processing and improved graphics performance. The result of this upgrade is the best ROSE OS experience yet, including support for larger music libraries.

Connect what you need

The RS451 offers a well-organised rear panel layout with intuitive port placement, tailored for real usage scenarios. It includes only the essential input and output options for high-fidelity playback, arranged for both simplicity and connection stability. The spacing between ports is carefully considered to reduce interference between devices, making installation more convenient and flexible across various environments.

With support for high-quality Bluetooth playback, USB playback, a hi-res coaxial input (supporting up to 32-bit / 384kHz PCM and DSD128), an optical input, HDMI eARC connection and a traditional RCA input, as well as balanced and unbalanced outputs – there's very few systems the RS451 is not at home in.



Compact Form, Full Potential

The RS451 is engineered to deliver high-fidelity audio performance from a slim and space-efficient form factor. With HiFi Rose's signature aluminium enclosure employed once again, there's a reassuring quality that merges with the high aesthetic appeal of the product.

Similarly, the new high-resolution, wide-angle 8" display offers the same intuitive control as other HiFi Rose streamers but is now flanked for the first time by the various headphone connections on one side, and the precisely machined volume knob on the other side, for a sense of visual balance as well as practical usability.

The RS451 is a network streamer that strikes a finely tuned balance of performance, design, and usability. It sets a new standard for audio experiences from HiFi Rose.

Technical Information

Base Operating System:	Customised Android 12
CPU:	Quad Core Cortex-A76 + Quad Core Cortex-A55
GPU:	ARM Mali-G610 MC4 (OpenGL, Vulkan, OpenCL)
Memory:	LPDDR4X 8GB
Network Connectivity:	Ethernet 10/100/1000 BASE-T Wi-Fi (via dongle)
Bluetooth:	Bluetooth v5.4 aptX (A2DP1.4, Sink, AVRCP v1.6.2)
Streaming Service:	Bluetooth, Airplay, DLNA/UPnP, Roon Ready, Spotify Connect
Music Services:	Qobuz, TIDAL, Apple Music, ROSE Tube, Internet Radio
Audio Inputs:	RCA Stereo Line Input Optical Input (32-bit / 192kHz, DSD64 (only DoP)) Coaxial Input (32-bit / 384kHz, DSD128 (only DoP)) USB 2.0 Type-B Audio Input (32-bit / 768kHz, DSD512) HDMI eARC
Audio Outputs:	RCA Stereo Analogue Output XLR Stereo Analogue Output Optical Output (32-bit / 192kHz, DSD64 (only DoP)) Coaxial Output (32-bit / 384kHz, DSD128 (only DoP)) USB 2.0 Type-B Audio Output (32-bit / 768kHz, DSD512)
Video Output:	HDMI 2.0 Output (4K UHD / 60Hz)
Trigger Connection:	Trigger Input (DC 3.3V – 12V) / Trigger Output (DC 12V)
Media Connection:	3 x USB 3.0 Type-A 1 x 2.5" SSD (SATA 3.0, NTFS, exFAT)
Supported Sampling Rates:	PCM: 44.1kHz - 768kHz (8 / 16 / 24 / 32-bit sample rate) DSD64 (2.8MHz) - DSD512 (22.6MHz)
Display:	8.8" IPS LCD Capacitive Touch Screen (MIPI)
Power Consumption:	0.5W (Standby) / 20W Max.
Size (W x D x H):	430 x 337 x 92 mm
Weight:	7kg

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 RS130 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, and again in 2024 with the RD160 DAC, both of which aim to deliver astonishing specifications and innovative technologies into more traditional market sectors.

HiFi Rose is a division of Citech, a Korean software company that was founded in 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

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