Product Announcement

HiFi Rose RS151
Next generation high-performance network streamer
Didcot, Oxfordshire – 31ˢᵗ January 2025

Since the introduction of HiFi Rose to the UK audio market in 2021, the RS150 network streamer has been a focal point for the brand's offering. Its extensive feature set, striking industrial design, and high-quality sound typified the HiFi Rose philosophy and won many fans around the world. Today, the replacement for the RS150 is finally unveiled, and represents a new generation of technology, design, and sound quality for the Korean company.

The RS151 is a network streamer that achieves groundbreaking improvements in every aspect. Taking inspiration from other HiFi Rose products, like the flagship RS130 network transport, and the ground-breaking RD160 DAC, it can achieve a new level of sound, and an even more impressive specification, than ever before.

Key features of the RS151 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 ES9039PRO chip.
- ✓ Low-noise electrical design with Rose NRA™ Filter taken from the RD160.
- ✓ **NEW** CPU supports faster data processing, better graphics, and larger music libraries.
- ✓ **NEW** 15.4" full HD multi-touch screen.
- ✓ **NEW** improved connectivity options, including HDMI eARC and Bluetooth 5.4.
- ✓ Trigger In/Out for wider system integration.
- ✓ Android 12 operating system.
- ✓ IR remote control included.
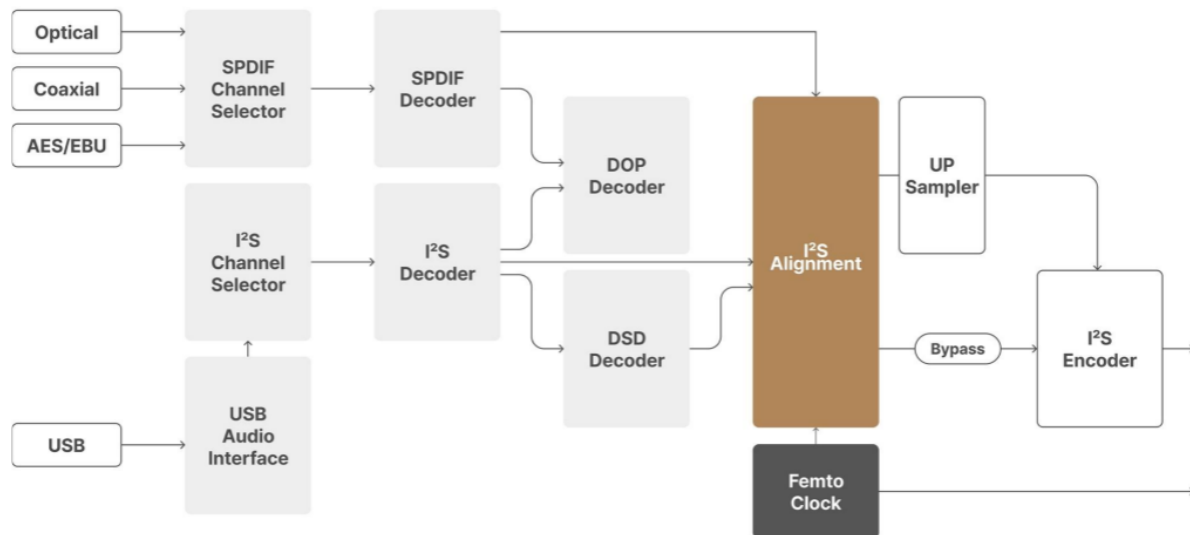
HiFi Rose RS151: £4,299.00 (SRP)
RS151 is available immediately throughout the UK HiFi Rose dealer network.
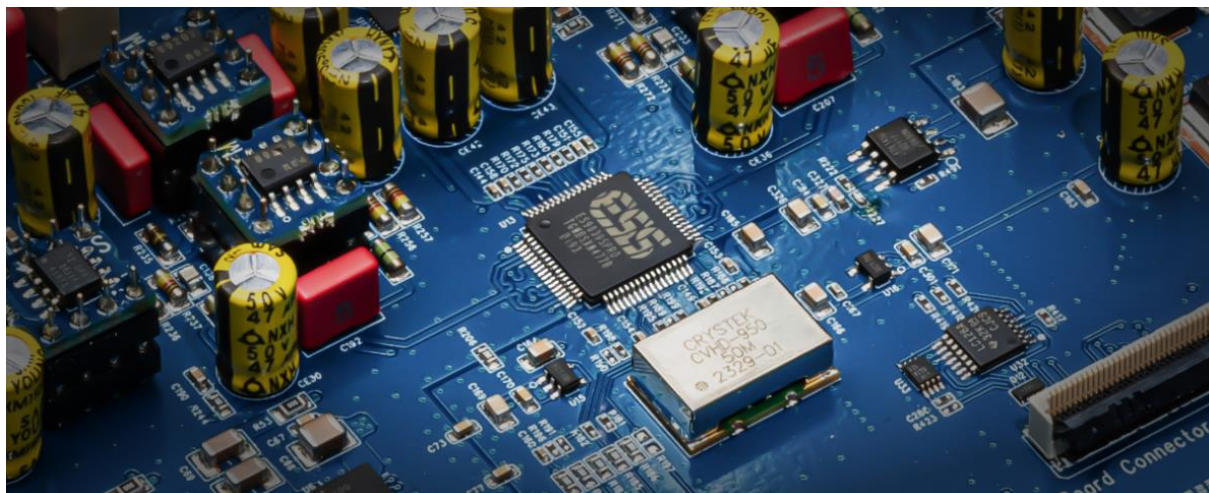
HiFi Rose RS151 *in detail*

The RS151 is a reference-level network streamer, using next-generation technologies. Boasting a full-HD touch screen within a sturdy aluminium chassis, it serves as an ideal streamer for your music, and as a high-quality DAC for any other digital sources you may have. The advanced ROSE OS operating system makes the RS151 an easy partner for any high-quality audio system.

Innovative Signal Processing

The RS151 makes use of Rose's Digital Processing Core (DPC) Module, which was originally developed for the RD160 DAC. 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.

The DAC design employed within the RS151 makes use of the leading ES9039PRO DAC chip with fourth generation Hyperstream® technology. Within this section, the digital and analogue signal paths are completely separated, ensuring that each circuit operates independently and with reduced interference. The result is a more precise soundstage with excellent channel separation and beautiful imaging.

Engineered for Sound

The RS151 makes use of advanced design principles and premium components to enhance sound quality. In the DAC stage, I/V conversion circuit and the Op-Amp stage, high-precision MELF resistors and WIMA film capacitors are used for improved linearity and minimised distortion. A single-point ground design reduces grounding loops and suppresses noise and interference, and the advanced power supply design strengthens power stability and filters out high-frequency noise. The result of this design is a set of remarkable measurements, highlighting the sonic clarity of the RS151.
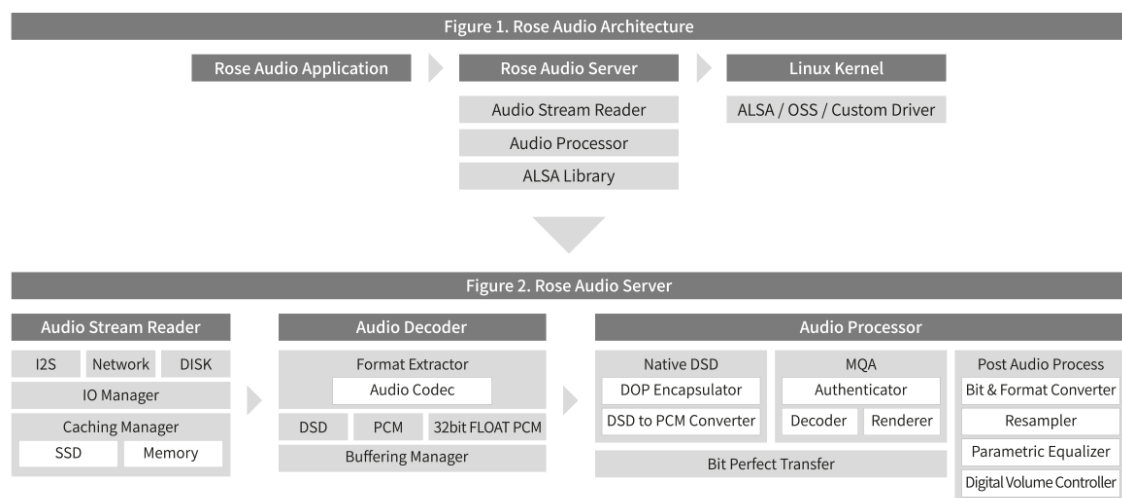
The analogue stage of the RS151 also makes use of Rose's new Noise Reduction Analog (NRA) filter, which the company designed to further eliminate noise and deliver an extremely flat response across the frequency spectrum – even in the lower ranges.

ROSE OS

At the centre of the RS151 is ROSE OS, HiFi Rose's Android-based operating system, which opens up 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 RS151 is also Roon Ready and Plays with Audirvāna 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 RS151 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.

Figure 1. Rose Audio Architecture

Figure 2. Rose Audio Server

The upgraded 8-Core CPU used in the RS151 boasts four times the data processing performance and eight times the graphics performance of anything that has come before it in the Rose range. The result of this upgrade is the best ROSE OS experience yet, including support for larger music libraries.

Connect what you need
The RS151 is designed to be an ideal entertainment hub. With a wide range of connections, including HDMI eARC, Hi-Res Coax, AES/EBU and USB inputs and outputs, Optical inputs and outputs, I2S output, and an analogue line input, it's easy to integrate into almost any audio system. There's also a new external Bluetooth module and antenna, supporting Bluetooth® v5.4 via an advanced Qualcomm chipset, for premium wireless audio playback from a connected device.

Sound Design
The RS151's chassis is crafted from aluminium plates up-to 30mm thick, CNC-machined for effective heat dissipation, ensuring stable performance even during extended use. Its minimal assembly joints enhance structural rigidity, effectively suppressing vibrations. The result is an ideal chassis with an appealing aesthetic.

Similarly, the new Full HD 15.4" display has a wide viewing angle and superior resolution, adding to the overall aesthetic. The intuitive multi-touch panel, alongside the supplied IR remote control and the full-feature ROSE Connect application, mean setting up and living with the RS151 is always a pleasure.

Technical Information

Base Operating System:	Customised Android 12
CPU:	Octa Core RK3588
GPU:	ARM Mali-G610 MC4 (OpenGL, Vulkan, OpenCL)
Memory:	LPDDR4X 8GB

Input Sensitivity:	0dBF 1kHz (Digital), 2V rms (Analogue)
Output Impedance:	2.84Ω
Max. Output Level:	9.0V rms (XLR), 4.5V rms (RCA)
THD+N @ 1kHz, 0dBF:	0.0002% (XLR), 0.0003% (RCA)
S/N Ratio:	131dB (XLR), 124dB (RCA)
Dynamic Range:	Max. 150dB (CCITT filter)
Stereo Crosstalk:	Max. -143dB (20Hz – 20kHz)
Frequency Response:	20Hz – 75kHz (± 0.5dB)

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 (24-bit / 192kHz, DSD64 (only DoP))
	Coaxial Input (24-bit / 384kHz, DSD128 (only DoP))
	AES/EBU Input (24-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 (24-bit / 192kHz, DSD64 (only DoP))
	Coaxial Output (24-bit / 384kHz, DSD128 (only DoP))
	AES/EBU Output (24-bit / 384kHz, DSD128 (only DoP))
	USB 2.0 Type-B Audio Output (32-bit / 768kHz, DSD512)
	I2S HDMI 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:	15.4" TFT LCD & Capacitive Touch Screen (FHD, eDP)
Power Consumption:	0.3W (Standby) / 55W Max.
Size (W x D x H):	430 x 319 x 125 mm
Weight:	11kg

Notes for Editors
Consumer Contact for Publication

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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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