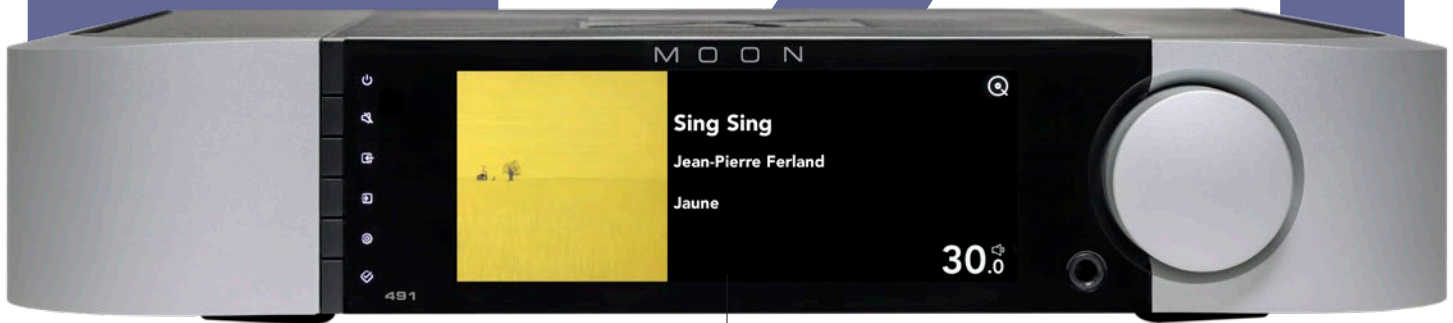




491 Network Player/Preamplifier

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qobuz TIDAL DEEZER HIGHRES AUDIO roon ready TIDAL connect 30.0 qobuz connect Spotify Works with Apple AirPlay

MOON
by SIMAUDIO

COMPASS

COLLECTION

The True Direction

The MOON 491 is a fully equipped network player, preamplifier, DAC, phono stage, and headphone amplifier designed to handle digital and analog sources with precision and versatility. As a key component in the Compass Collection, it is engineered to deliver broad connectivity, low-noise performance, and seamless streaming and digital conversion, while preserving signal integrity with clarity and refinement.

At the core of the 491 is MOON's proprietary MiND 2 streaming technology. It can operate as a UPnP renderer, a Roon Ready endpoint, and is compatible with AirPlay and Bluetooth. The MOON MiND Controller app for iOS and Android provides access to major music services including Qobuz, TIDAL, Deezer, and Spotify. Playback and system functions can be controlled through the app, the front-panel buttons, and the aluminium CRM-4 remote control. The 491 also supports Qobuz Connect, TIDAL Connect, and Spotify Connect.

The integrated phono stage supports both MM and MC cartridges configurable via the on-screen menu for loading, capacitance, gain, and equalization options. This adaptability enables cartridge matching for optimized vinyl playback.

The balanced analog preamplifier features two line-level inputs

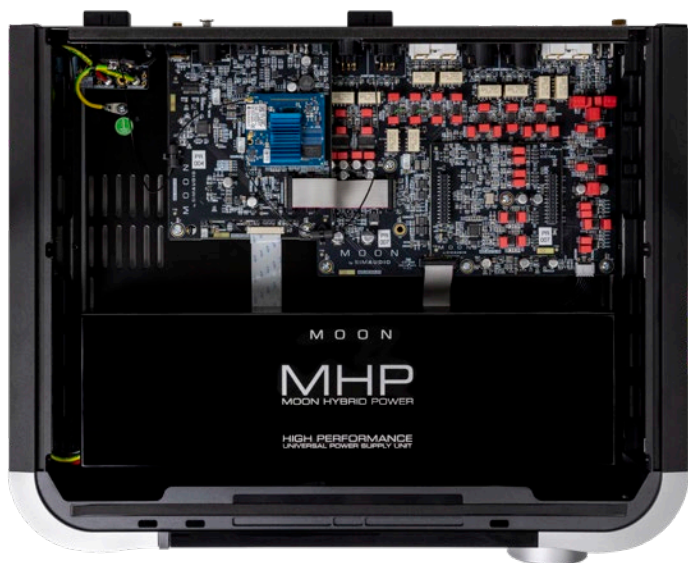


—one RCA and one balanced XLR—and one phono input. Output is via variable and fixed RCA connections, and a variable balanced XLR connections, as well as a 1/4" headphone jack. The large display indicates volume, album art, and other information in brilliant colour.

The 491 employs proprietary MOON Hybrid Power (MHP) technology, blending linear and switch-mode technologies for ultra-stable, low-noise DC power. Operating at switching frequencies beyond the audio band, it avoids contaminating highly sensitive audio circuits, resulting in a lower noise floor with greater dynamic swings.

Housed in MOON's signature black chassis with bead-blasted aluminum cheeks (black or silver), the 491 blends cutting-edge engineering with timeless style.

Specifications



Input Sensitivity : 0.3 V – 5 V
Input Impedance : 22 kΩ
Gain : 10 dB
Frequency Response : 10 Hz – 200 kHz +0.5/-3.0 dB
Total Harmonic Distortion + Noise : 0.0004%
Intermodulation Distortion : 0.0004%
Signal-to-Noise Ratio : 120 dB
Crosstalk : -120 dB
Power Consumption (Idle) : 16 W
Power Consumption (Full Power Standby) : 14 W
Power Consumption (Low Power Standby) : 6 W
Dimensions (width x height x depth) : 16.9x3.5x14.1 in / 42.9x8.7x35.7 cm
Shipping Weight : 20 lbs / 9 kg

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