JS Bach – St. John Passion

5. Jesum von Nazareth!

HiFi

TIDAL   0: 35   −3:50   STREAM

aurender

OUTPUT INPUT

Aurender 2023

The Digital Source Component of choice in the world's finest HiFi systems.

The Collector's Approach
to a modern audio system.
There is an Aurender for every music lover.

MQA   TIDAL   qobuz   Spotify

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The Aurender Way

The Digital Source Component of choice in the world's finest audio systems

Welcome to The Aurender Way – the most luxurious, elegant, and high-performance approach to streaming and file-based playback available. Since 2010, Aurender has been an industry leader in digital source components – taking the computer out of "computer audio." By continually pushing the boundaries of technology in terms of a streamlined user experience and no-compromise audio performance, Aurender's core goal is simple: to combine exceptional hardware engineering with a software suite that is specifically optimized to take maximum advantage of the hardware at hand. By applying a traditional audiophile component-based design concept to a modern digital solution, Aurender delivers an utterly transparent audio presentation unlike any other.

The Collector's Approach

The rise of lossless and high-resolution streaming services has given music lovers nearly unlimited access to the entire world of recorded music. It is a truly exciting time to be a music lover! However, the instant availability and ephemeral nature of streaming content can dilute the experience of intentionally exploring, curating, and collecting a music library that becomes an essential part of our lives. Aurender's approach to building a personal music library preserves the experience of actively collecting by aggregating streaming music services with locally stored files on a platform that is not only searchable, but browseable as well. With Conductor, your music library is your own.
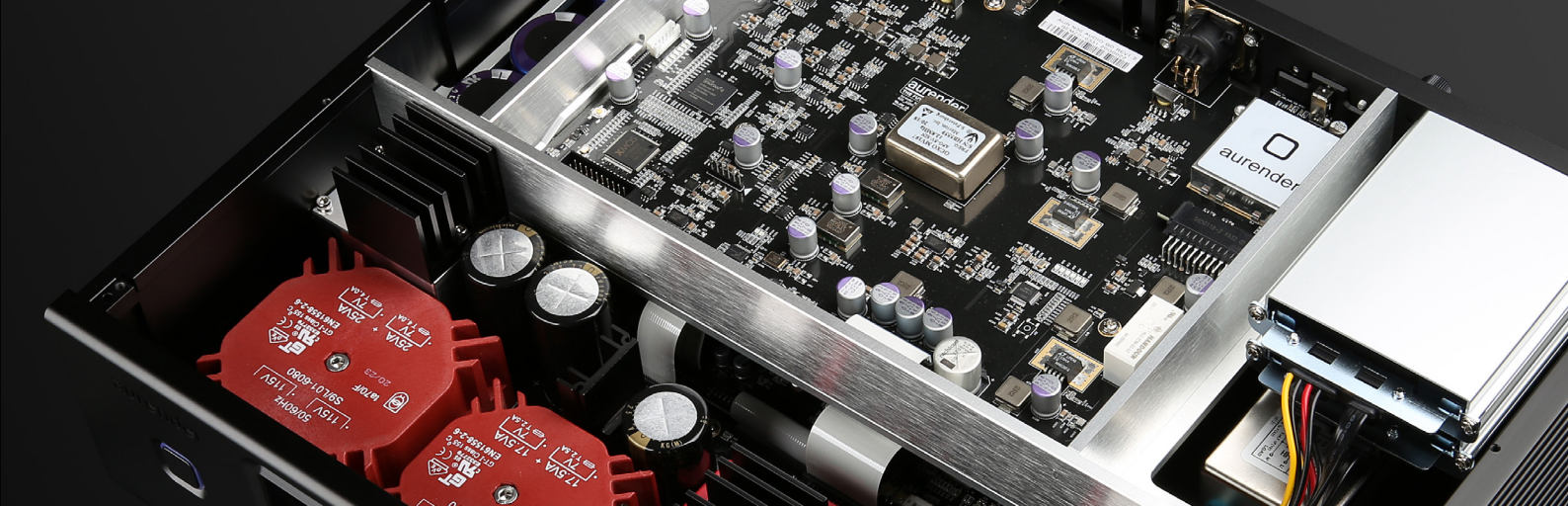

Your Digital Concierge – Support That Cares

Many Aurender owners might not flinch at setting up a complicated turntable, but the idea of tackling an IT challenge, or learning to use an App interface, is the stuff of nightmares. Aurender's support team takes the guesswork out of dipping your toes into streaming waters. With white-glove service and a unique Remote Support portal that can help with any aspect of system setup and maintenance, Aurender's technical support team is ready, willing, and able to help. This is The Aurender Way.

An Aurender for Every Music Lover

With a wide variety of models available across the spectrum of price, design, and features, there is an Aurender for every music lover. Contact Aurender or your local retailer/distributor to learn about which model is right for you and your system.

ESSENTIAL AURENDER AUDIO TECHNOLOGY
– Innovations In Music Making

Caching System

Every Aurender music server employs file caching via an internal SSD caching drive from which all playback occurs (internet radio and AirPlay excluded). When content is selected from the Conductor app for playback, whether it is stored locally or is from a streaming service, that content downloads almost instantaneously to the caching SSD from which all playback emanates. This minimizes system resources required to play music, and guarantees consistency of sound quality. This is a unique hallmark of the Aurender audio playback engine, and a big reason why Aurender's platform sounds as good as it does.

Dedicated USB Audio Output

Ever since the advent of file-based audio playback from a computer, USB became the de facto standard interconnect protocol for digital audio. While asynchronous USB audio technology does represent some major advantages such as support for super high sample rate transmission, and the potential for virtually no jitter, it has historically been very prone to noise and compatibility issues. Aurender's solution to USB audio involves a dedicated USB Audio Class 2 port that is mechanically filtered and isolated from the noise-generating components of the computer.

OCXO Controlled SPDIF and AES/EBU Audio Outputs

As good as USB can be with the right DAC, SPDIF and AES/EBU protocols still present the opportunity for lower noise AND lower jitter in many scenarios. Aurender models N20 and N30SA feature a suite of SPDIF and AES/EBU audio outputs controlled by an ultra-precise Oven Controlled Crystal Oscillator for the ultimate marriage of low noise and low jitter which these output technologies afford. Legacy DACs and even many of today's latest and greatest DACs will offer truer, more musical audio presentations when used with Aurender's distinctive OCXO-controlled SPDIF or AES/EBU outputs compared with USB.

MQA Core & Full Decode

Analog output Aurender models are built around MQA Full-Decoder DACs, meaning they are capable of realizing the highest performance that MQA file content can provide. Digital output models can be upgraded with MQA Core-Decoder software via an optional one-time in-app purchase. MQA Core Decoding offers the main benefit of MQA technology by unfolding the MQA content to a sampling rate of up to 96kHz. However, in order to experience the full potential of MQA, an MQA Full-Decoder DAC (such as the ones built in to Aurender's Analog Output series), or an MQA Renderer DAC is required.

Streaming Service Integration

Tidal and Qobuz streaming services are an embedded part of the Aurender Conductor App (subscription required). Access to streaming content and local content is combined for a seamless user experience from streaming services as well as locally stored files to form one all-inclusive music library.

Adaptive Storage System

Aurender developed adaptive storage because everyone wants something different. All models with adaptive storage (N150, N200, N20, N30SA, A200, A15, A20) allow for the installation of one or two 2.5" HDD or SSD up to 8TB. 100% streaming? No drives are required. Have a small library? Fit an economical 1TB HDD or SSD. Massive file storage requirements? Go for dual 8TB SSDs for 16TB total storage (N150 excluded).

Linear Power Supplies with Super Capacitor-Based UPS

Each Aurender model (ACS100 excluded) uses a linear power supply for superior low-noise power generation. Moving up the Aurender range, the sophistication and capacity of PSUs increases to conform with the performance criteria and expectation of lower noise, greater dynamic range, slam and low-frequency extension. Also included on each model is a super capacitor-based uninterruptible power supply (UPS). The UPS will protect the unit's operating system and storage disk from corruption in the event of an abrupt power outage by safely shutting the unit down.

Low Power/High Efficiency Intel CPU

If the power supplies are the heart of an Aurender system, the CPU is the brain. The CPU is the most power-hungry and noise-generating component of any computer. Aurender's 10+ years of computer hardware engineering have led us to this moment where every Aurender model (W20SE excluded) is based around ultra-low-power, high-efficiency Intel CPUs that provide enough processing power to run smoothly now and in the future, while minimizing the amount of current and noise generated by the computer.

Double-Isolated Gigabit LAN Port

Ethernet connections are well-known to pick up and transmit RF noise from the surrounding environment and other components upstream. Aurender employs 2 layers of transformer-based filtration and isolation to mitigate noise introduced by the LAN cable connection to negligible levels.

Full-Color Display, with Critical Listening Mode Option

For most of us, the way a system looks affects the way we experience it in a major way. Therefore, it is important for luxury audio equipment to impart a pride of ownership and aesthetic sensibility that ingratiates itself into your system and your home. That's why every model in Aurender's "next generation" product range is built with an eye-catching full-color display to view album cover art, artist, and track information. And, for those moments when the lights are off and all that matters is the music, enable "Critical Listening Mode" to defeat the front panel display and immerse yourself totally in the music and sound.
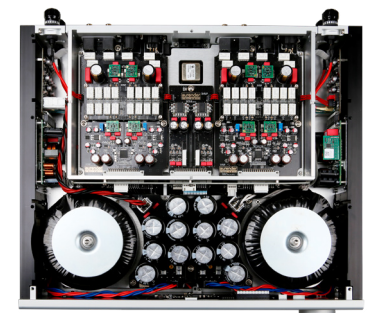
AP20 – Elegance. Finesse. Resolution. Power.

If ever Aristotle's adage: "the whole is greater than the sum of its parts" is applicable in audio, it applies to AP20. And, given the quality and quantity of parts in this equation, that's saying a lot.

AP20 delivers unprecedented audio performance from an integrated amplifier. It includes the world's best Class D amp modules in a dual-mono configuration, an analog R2R relay-based volume control and preamp section, Aurender's best DAC, master clock input, headphone output, a suite of digital and analog inputs and outputs, and the most sophisticated linear power supply block Aurender has ever deployed.

All of this performance, with the heart of an Aurender.

Other integrated amplifier solutions on the market may offer support for app-controlled streaming, but in nearly every case, the user experience, library management, and software playback engine are an afterthought. In AP20's case, more than 10 years of industry-leading experience has made Aurender the digital source component of choice in the world's finest audio systems. Now, that same digital playback engine and user experience is available from an integrated amplifier that completely removes the need for more components and cables.

Just add speakers, and enjoy a premium HiFi experience, without all the HiFi boxes.

AP20

All-In-One Digital Source and Integrated Amp /
200 WPC into 8Ω, 350 WPC into 4Ω / Fully Linear PSU
Analog R2R Volume Control / Reference Grade DAC /
Analog & Digital Inputs & Outputs / Headphone Output / Master Clock Input /
2x User-Installable Storage Slots

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