



Aurender Conductor App V3  
for iPad and Android

# Aurender for 2019

Music Server + App  
Indivisible With Boundless Access  
And The Highest Fidelity For All

 MQA  TIDAL  qobuz  Spotify

 aurender

NEW



## W20SE SPECIAL EDITION

New Flagship Caching Music Server and Streamer / MQA Core-Decoder  
4TB SSD Storage with 1 TB SSD Caching / Battery Operated Power Supply for Audio  
Full-Linear Power Supply for CPU / Double-Isolated LAN and Audio USB Port  
Dual-AES/EBU up to 24-Bit 384kHz, Coaxial, BNC and Optical Outputs / Word Clock Input



# The Standard

To Which Other Music Servers Are Judged.

Revised and refined in 2019, the new W20SE (Special Edition) raises the bar again in build quality and audio fidelity. Powered by Aurender Conductor for the most enlightened user experience, the W20SE is designed for audio systems where the ultimate source component is required.



NEW

# A Marriage of Performance and Convenience

A30 provides everything one needs to create, store, manage, edit, and play hi-res file content in one compact audio source component. Equipped with a professional grade slot-loading CD ripping drive and 8TB of internal storage, A30 is your answer for archiving your entire CD collection. Advanced library organization including metadata editing, content collection and deletion is possible right from your control tablet.

A30 employs a reference-grade dual-mono DAC with full MQA Decoder technology to enable you to play MQA audio files and streams equal to the original master recording. With support for digital files up to PCM 768kHz, DSD 512, and integrated access to Qobuz and TIDAL hi-res subscription streaming services, your music library has no limits.

For the head-fi enthusiast, A30's balanced operation headphone output is designed to compete with the best stand-alone headphone amps and DACs. With three different output connector options, A30 delivers the best performance from your headphones.

As with all Aurender servers, real-time playback is via the internal SSD caching drive, NOT from spinning HDDs. Comprehensive system control is from our award-winning Aurender Conductor App that assures easy access and swift browsing of your file-based or streaming music, handling even the largest of libraries with agility and finesse.



## A30

Caching Music Server / Streamer / CD Ripper / HDD Storage  
/ Full MQA Decoder / Headphone Amplifier



NEW



## A100

Caching Music Server / Streamer / Player  
with full MQA Decoder DAC and RCA Analog Outputs  
2TB Storage



## ACS10

Caching Music Server / Streamer with USB Output  
CD Ripper / Metadata Editor / Dual-HDD Storage / Library Manager



# Synergized!

Designed and conceived as a comprehensive and cost-effective source component for the digital music streaming enthusiast, the A100 offers much of the same performance and features of the more costly A10 from which it is modeled.

A100 is, at its foundation, a streamer with support for both TIDAL and Qobuz subscription-based high-resolution streaming services and internet radio. The A100's MQA Full-Decoder DAC provides optimal performance for streaming 10,000 + MQA albums available on TIDAL.

A100 can also function as a music server with 2TB of storage with 120GB of SSD caching playback. Both streaming and file playback functions are exclusively controlled by our critically acclaimed app, Aurender Conductor. Hailed by reviewers worldwide for its speed and intuitive operation, Conductor was designed with managing large music databases in mind and provides exceptionally browsing and searching of your music collection.

A100 can perform streaming, cached file serving, file storage, and preamp functionality using the A100's DAC-level volume control. Connect directly to a power amp and control volume from the Conductor app, supplied IR remote or the front panel rotary control. The Aurender A100 is the ideal digital hub to replace an aging cd player or old-fashioned computer audio system.



# A Bespoke Approach

Q. How can I get better sound quality from my PC?  
A. Replace with Aurender.

Designed and developed to eliminate the reliance upon computers and other IT products in your digital audio system, the Aurender Content Server ACS10, unifies the activities of CD Ripping, NAS-style storage with RAID mirroring, advanced library management and metadata editing. All this and more is incorporated within one network attached audio component. Our software suite, ACSManager, utilizes easy-to-use menus to perform these tasks right from your iPad. And, the ACS10 is so versatile it can function as a stand-alone caching music server / streamer when connected to a USB dac, or as a complementary companion to another Aurender model.





## A10

A10 is an exceptionally high value music player with a superior built-in digital-to-analog converter. The full-decoder MQA DAC has a rich, organic sound that is extremely competitive sonically against stand-alone DACs costing as much or even far more than the A10 itself! With a 4TB internal hard disk drive and 120GB solid-state drive cache for playback and control by Aurender Conductor, the A10 is the perfect one-box solution for those replacing high-end CD players or just seeking performance and simplicity.

## N10

When computer audio first started to gain popularity, USB was the de facto standard for the digital audio signal transport. This was simply because computers have USB ports, not AES/EBU or other SPDIF ports. Unfortunately, USB can be a flawed protocol for digital audio transmission as it is prone to noise, jitter, and compatibility issues. Done properly, AES/EBU and SPDIF audio outputs represent a superior method of audio transmission with nearly universal compatibility, less jitter, and greater ease and flow to the overall musical presentation. N10 represents the state-of-the-art of these protocols with its OCXO controlled SPDIF outputs – use them and discover a higher standard than USB.



## N100H/N100C

If you've ever own a computer audio system, you know that time spent fussing is time lost listening. Consider the alternative – the Aurender N100H or N100C seamlessly replaces your aging computer. Your music will now be stored on the units internal hard drive, available in either 2TB or 4TB capacity with a 120GB solid state (SSD) caching drive performing all file playback for superior fidelity and reliability. And all major digital file formats are supported at native bit and sampling rates. Housed in beautiful machined aluminum casework, either N100 version will compliment your existing system components and deliver a new level of musicality you have to hear to believe.



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# Control By Conductor

Aurender Conductor allows swift and easy access to your music without complexity and unnecessary visual clutter. If listening to music is your goal, Aurender Conductor offers the simplest and most direct path to your favorite musical selections. Conductor delivers hi-res music from both your own internally stored music library or from TIDAL and Qobuz subscription streaming services. Recordings discovered on streaming services can be saved along side your own music allowing you to build a large selection of personal favorites! And creating playlists from all your favorites is easily performed and saved for access later.






Conductor was designed and developed exclusively to control Aurender Music Servers / Streamers and this is why the Aurender method is unchallenged in sound quality, reliability and appliance-like predicability.

Conductor offers full support for iPad and Android phone and tablet platforms.



# Digital Output Music Server/Streamer

## Full Range Comparison Table

	W20SE	N10	ACS10	N100C	N100H
					
SPDIF Digital Audio Outputs	1 x RCA Coax / 1 x BNC (75Ω) / 1 x TOSLINK up to 24-bit / 192 kHz AES/EBU x 2 (Dual-Wire)	1 x RCA Coax / 1 x BNC (75Ω) / 1 x TOSLINK up to 24-bit / 192 kHz AES/EBU x 1	X	1 Coax	X
Precision DSD to PCM conversion on SPDIF Outputs	Up to DSD512 to 88.2/176.4kHz (Single Wire), Up to DSD512 to 352.8kHz (Dual Wire)	Up to DSD128	X	X	X
Main Clock Accuracy	OCXO Based Precision Jitter Reducing Clock Generator	OCXO Based Precision Jitter Reducing Clock Generator	Normal Crystal	TCXO Based Precision Jitter Reducing Clock Generator	Normal Crystal
Dedicated Audio USB Port	1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0
USB Audio Output	PCM: Up to 768kHz DSD : DoP – Up to DSD256 Native – Up to DSD512	PCM: Up to 24bit / 192kHz DSD: DoP Up to 128	PCM: up to 768kHz / 32-bit USB DSD: DoP (up to 256) Native DSD up to 512	PCM: Up to 24bit / 192kHz DSD : DoP up to 128	PCM: Up to 24bit / 192kHz DSD : DoP up to 128
Display	3.7 inch x 2, Dual AMOLED	3.3 inch x 2, Dual AMOLED	4.0" IPS LCD	3.0" AMOLED	3.0" AMOLED
CPU	AMD Dual Core	AMD Dual Core	Intel N4200 Quad Core	AMD Dual Core	AMD Dual Core
SSD for System and Cache	1TB 2.5"	240GB 2.5"	240GB NVMe	120GB mSATA	120GB mSATA
Main Memory	4GB	4GB	8GB	4GB	4GB
Music Library Storage	SSD 4TB	HDD 4TB 2.5" x 1 or 8TB 2.5" x 2	HDD 8TB x 2, 3.5" or 12TB x 2, 3.5" Factory Configured as RAID1 (Mirroring)	HDD 4TB 2.5" x 1	HDD 2TB 2.5" x 1
Power Supply	Full-Linear / LiFePO4 Battery	Full-Linear	Full-Linear	Full-Linear	Full-Linear
Data USB	2 x USB 2.0 (Rear)	2 x USB 2.0 (Rear)	1 x USB 3.0 (Rear) 1 x USB 2.0 (Front)	2 x USB 2.0 (Rear)	2 x USB 2.0 (Rear)
Ethernet	1 x Double-Isolated Gigabit Ethernet	Gigabit Ethernet	3 x Gigabit Ethernet (1 doubly isolated)	Gigabit Ethernet	Gigabit Ethernet
Dimensions(WHD) and Weight	16.9 x 4.17 x 14.6 in / 46.5 lbs	16.9 x 3.3 x 14.0 in / 27 lbs	16.9 x 3.8 x 14.0 in / 27 lbs	8.5 x 2.2 x 13.9 in / 10.2 lbs	8.5 x 2.2 x 13.9 in / 10.2 lbs
3 Port Gigabit LAN Hub	X	X	1 x Double-Isolated Gigabit Ethernet	X	X
Content Server for other Aurender	X	X	Can serve as a central storage library and convenient music management device	X	X
Internal UPS for safe shutdown	LiFePO4 Battery Based	X	Super Capacitor Based	X	X
CD-Ripping	X	X	TEAC Tray-Load CD-ROM Drive. Automated ripping support for Arconova Nimble Autoloader via USB 3.0 port (optional)	X	X
Software Suite	Aurender Conductor	Aurender Conductor	Aurender Conductor ACS Manager	Aurender Conductor	Aurender Conductor

Specifications subject to change.

# Analog Output Music Server/Streamer Full Range Comparison Table

A30



A10



A100



SPDIF Digital Audio Inputs	1 x RCA SPDIF / 1 x BNC SPDIF / 2 x TOSLINK up to 24-bit / 192 kHz	1 x TOSLINK	1 x TOSLINK
Analog Audio Outputs	Unbalanced (RCA): 2.0 or 2.7 Vrms / Balanced (XLR): 4.0 or 5.4 Vrms selectable	Unbalanced (RCA): 2.0 Vrms / Balanced (XLR): 4.0 Vrms	Unbalanced (RCA): 2.0 Vrms
USB Audio Output	PCM: Up to 32bit / 768kHz DSD: DoP Up to 128 , Native DSD Up to 256	PCM: up to 32-bit / 384 kHz DSD: DoP DSD64, DSD128	PCM: up to 32-bit / 384 kHz DSD: DSD64, DoP DSD128
Main Clock Accuracy	OCXO Based Precision Jitter Reducing Clock Generator	TCXO Based Precision Jitter Reducing Clock Generator	TCXO Based Precision Jitter Reducing Clock Generator
Headphone Outputs	1 x 4pin XLR Balanced / 1 x 4.4mm Balanced / 1 x 1/4" Unbalanced	X	X
CD Ripping	TEAC Slot-Load CD-ROM Drive. Automated ripping support for Arconova Nimble Autoloader via USB 3.0 port (optional)	X	X
Volume Control	-90 dB – 0dB, 0.5 dB steps, Velocity Sensitive Operation variable output control	-90 dB – 0dB, 0.5 dB steps, Velocity Sensitive Operation variable output control	-90 dB – 0dB, 0.5 dB steps, Velocity Sensitive Operation variable output control
DAC Chipset	AKM AK4497 Dual-Mono Design with Dual-Mono Linear Power Supplies	AKM AK4490 Dual-Mono Design with Dual-Mono Linear Power Supplies	AKM AK4490 x 1 (Single Stereo Design)
Internal UPS for safe shutdown	Super Capacitor Based (uninterrupted power supply)	X	X
Display	8.8" 1920 x 480 WIDE IPS COLOR LCD	3.0" AMOLED	3.0" AMOLED
CPU	Intel N4200 Quad Core	AMD Dual Core	AMD Dual Core
SSD for System and Cache	480GB NVMe	120GB 2.5"	120GB 2.5"
Main Memory	8GB	4GB	4GB
HDD for Music Library Storage	10TB, 3.5" X 1	4TB, 2.5" X 1	2TB, 2.5" X 1
Power Supply	Full-Linear	Full-Linear	Full-Linear
Number of Power Transformers	5 (CPU-1, DAC-2, FPGA/CLK-1, Headphone-1)	4 (CPU-1, DAC-2, FPGA/CLK -1)	3 (CPU-1 ,DAC-1, FPGA/CLK -1)
Dedicated Audio USB Port	1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0
Data USB	2 x USB 3.0 (Rear)	2 x USB 2.0 (Rear)	2 x USB 2.0 (Rear)
Ethernet	1 x Double-Isolated Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Dimensions (WHD) and Weight	16.9 x 5.6 x 14.0 in / 37.5 lbs	16.9 x 2.2 x 13.9 in / 22.5 lbs	13.0 x 2.2 x 13.9 in / 17.2 lbs
Software Suite	Aurender Conductor & A30 Manager	Aurender Conductor	Aurender Conductor
IR Remote Control	Yes – Aluminum	Yes – Aluminum	Yes – Plastic

# aurender

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