Async (384kHz) Aurender-FLOW
J.S.Bach
BWV 1004-Chaconne
TIDAL
3:50
0:35

Aurender 2020

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

AA MQA ✦✦TIDAL ⦿ qobuz ● Spotify®

□ aurender

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.

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-wining 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

A100

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

A10

Caching Music Server / Streamer / Player
with full MQA Decoder DAC and Balanced and Unbalanced Analog Outputs

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 was 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.

Always Greater Than The Sum Of Its Parts

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.

ACS100

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

Small Wonder

Effortlessly create, collect, combine, correct and curate your music collection using ACS Manager included with the ACS100. This innovative software suite includes a Smart Tag Editor, Duplicate Checker and Copy / Move / Delete options for unprecedented organizational authority of your music collection. ACS100 can also function in Central Server Mode which supports multiple Aurender players to access content from a primary source creating a high-performance Aurender ecosystem.

· Caching Music Server & Steamer / CD Ripper / Metadata & Library Manager
· 240GB SSD System Cache
· Dual HDD or SSD Storage (optional, not included)*
· PCM up to 384kHz/32-bit – DoP (up to DSD256) – Native DSD (up to 512)
· 4.0" Color IPS LCD Display
· Music Management by Aurender Conductor
  – Support for iPad, Android Phone & Tablets
· TIDAL, Qobuz and Spotify Connect embedded in Conductor
· MQA Core Decoder (optional)

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.

ACS10

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

N100SC

Caching Music Server / Streamer / Player
with full MQA Decoder DAC and Balanced and Unbalanced Analog Outputs

N10

Reference-Class Caching Music Server / Streamer
4TB or 8TB HDD Storage
USB, AES/EBU, Coaxial, BNC and Optical Outputs

Modern Method

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.

STREAM DREAM

Streaming music in high-resolution is a dream come true for music lovers. For a modest monthly fee, a subscription to one of the quality services can be had allowing you access to millions of songs.

Recognizing this trend, Aurender created the N100SC music streamer. The N100SC is designed for connection to external DACs via its USB AUDIO 2.0 or SPDIF COAX outputs both delivering a bit-perfect, low-noise digital signal of the highest fidelity. Aurender Conductor for iPad and Android platforms provides integrated access to TIDAL, Qobuz, Spotify Connect, and Internet Radio by SHOUTcast.

Once you enter the world of high-resolution streaming, you may decide you want to begin downloading hi-res files as well. That's not a problem – the N100SC accommodates an easy to install SSD or HDD for internal content storage. N100SC will satisfy your streaming and storage needs now AND in the future, with flexibility and performance that belies its price.
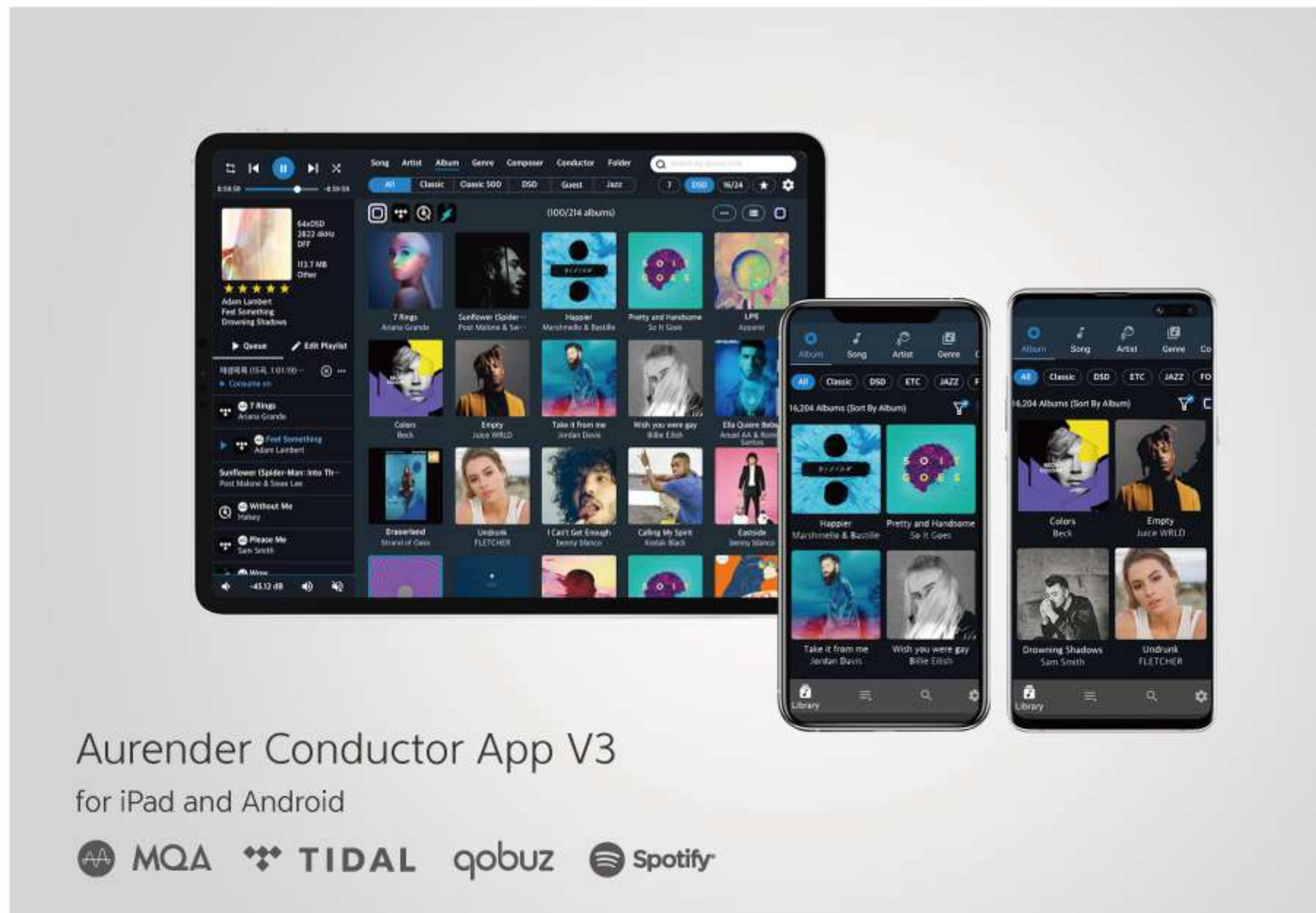
N100SC   N100C   N100H

Control By Conductor

Aurender Conductor App V3
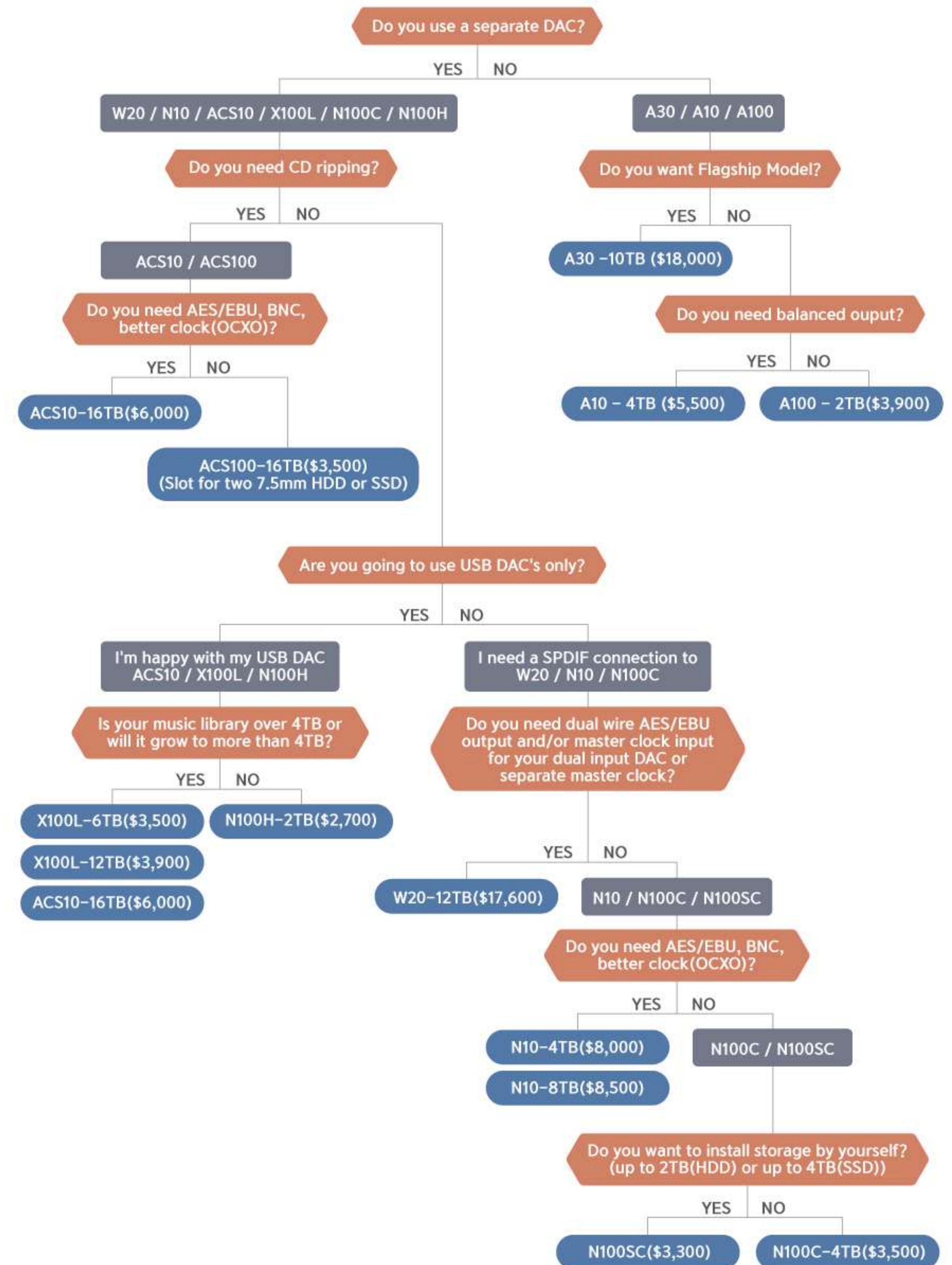for iPad and Android

MQA ✦ TIDAL qobuz Spotify

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.

AURENDER SELECTION GUIDE

Do you use a separate DAC?
— YES → W20 / N10 / ACS10 / X100L / N100C / N100H
— NO → A30 / A10 / A100

W20 / N10 / ACS10 / X100L / N100C / N100H
Do you need CD ripping?
— YES → ACS10 / ACS100
— NO → (continues below)

ACS10 / ACS100
Do you need AES/EBU, BNC, better clock(OCXO)?
— YES → ACS10-16TB($6,000)
— NO → ACS100-16TB($3,500) (Slot for two 7.5mm HDD or SSD)

Are you going to use USB DAC's only?
— YES → I'm happy with my USB DAC ACS10 / X100L / N100H
— NO → I need a SPDIF connection to W20 / N10 / N100C

I'm happy with my USB DAC ACS10 / X100L / N100H
Is your music library over 4TB or will it grow to more than 4TB?
— YES → X100L-6TB($3,500) / X100L-12TB($3,900) / ACS10-16TB($6,000)
— NO → N100H-2TB($2,700)

I need a SPDIF connection to W20 / N10 / N100C
Do you need dual wire AES/EBU output and/or master clock input for your dual input DAC or separate master clock?
— YES → W20-12TB($17,600)
— NO → N10 / N100C / N100SC

N10 / N100C / N100SC
Do you need AES/EBU, BNC, better clock(OCXO)?
— YES → N10-4TB($8,000) / N10-8TB($8,500)
— NO → N100C / N100SC

N100C / N100SC
Do you want to install storage by yourself? (up to 2TB(HDD) or up to 4TB(SSD))
— YES → N100SC($3,300)
— NO → N100C-4TB($3,500)

A30 / A10 / A100
Do you want Flagship Model?
— YES → A30 -10TB ($18,000)
— NO → Do you need balanced ouput?

Do you need balanced ouput?
— YES → A10 – 4TB ($5,500)
— NO → A100 – 2TB ($3,900)

Digital Output Music Server/Streamer Full Range Comparison Table

	W20SE	N10	ACS10	ACS100	N100H/C/SC
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	X	1 Coax (N100C/N100SC)
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	Normal Crystal	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 384kHz / 32-bit USB DSD: DoP (up to 256) Native DSD up to 512	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	4.0" IPS LCD	3.0" AMOLED
CPU	AMD Dual Core	AMD Dual Core	Intel N4200 Quad Core	Intel N4200 Quad Core	AMD Dual Core
SSD for System and Cache	1TB 2.5"	240GB 2.5"	240GB NVMe	240GB NVMe	120GB (N100H & N100C) 240GB (N100SC)
Main Memory	4GB	4GB	8GB	8GB	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)	Tray for Easy User Installation – 2 x 2.5" SATA HDD (7mm, Up to 2 x 2TB) or 2 x 2.5" SSD (up to 2 x 4TB)	2TB (N100H) / 4TB (N100C) Storage optional (N100SC)
Power Supply	Full-Linear / LiFePO4 Battery	Full-Linear	Full-Linear	External Power Supply DC19V / 3.42A	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)	USB 3.0 x 2 (1 x front, 1 x rear panel) USB 2.0 x 1 (rear)	2 x USB 2.0 (Rear)
Ethernet	1 x Double-Isolated Gigabit Ethernet	Gigabit Ethernet	3 x Gigabit Ethernet (1 doubly isolated)	LAN Port (1 Gbps)	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 4.4 x 10.1 in., 11lbs (user Installed 2 x SSD)	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	Can serve as a central storage library and convenient music management device	X
Internal UPS for safe shutdown	LiFePO4 Battery Based	X	Super Capacitor Based	Super Capacitor Based	X
CD-Ripping	X	X	TEAC Tray-Load CD-ROM Drive. Automated ripping support for Arconova Nimbie Autoloader via USB 3.0 port (optional)	TEAC Slot in CD-ROM Drive. Automated ripping support for Arconova Nimbie Autoloader via USB 3.0 port (optional)	X
Software Suite	Aurender Conductor	Aurender Conductor	Aurender Conductor ACS Manager	Aurender Conductor ACS Manager	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 Nimbie 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

Specifications subject to change.

⬜ aurender

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