aurender

THE FUTURE OF SOUND

2017 H3

J.S.Bach
BWV 1004-Chaconne

TIDAL 0:35 MQA Studio 192kHz STREAM -3:50

Exceptional Products From Creative Minds
The Aurender Team

A group of passionate perfectionists whose mission is to enrich the lives of Music Lovers and Audiophiles alike through the creation of world-class audio products. All Aurender products are designed with ease-of-use, convenience and sound quality in equal measure.

Aurender products are developed and manufactured in Korea.
Product design and Marketing in California, USA.

The Future of Sound

Reference Music Systems

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A10

Caching Network Music Server/Player
with Analog Outputs

· 120GB SSD storage for caching playback
· 4TB of internal HDD storage
· Full-Linear power supply
· Balanced (XLR) / Unbalanced (RCA) Audio Outputs
· Dual 768KHz / 32bit Next Generation Flagship AK4490 DAC Chip
· Dual-Mono DACs with Discrete Linear Power Regulator
· MQA Certified DAC for Full Decode of MQA files or streaming content
· Volume adjustment from app, IR remote or front panel rotary control
· Lossless Streaming supported within Aurender Conductor App
· Dedicated USB Audio Output with Ultra Low-Noise Power Circuitry
· Award-wining Aurender Conductor App for ease and convenience
· FPGA-based Precision Data Reclocking System with sub 100fs world-class jitter-reducing clock generator
· Four Individual Toroidal Power Transformers for Server / Digital / Dual DACs
· Support for Network Attached (NAS) and USB Storage
· Remote Technical Support via Aurender Conductor App
· "Smart Copy" feature on App allows for easy transfer of music libraries

MQA (Master Quality Authenticated)

MQA is a technology that captures the full magic of an original studio performance. Using pioneering scientific research into how people hear, MQA delivers master quality audio in a file that's small enough to stream or download. The Aurender A10 includes Full Decoder MQA technology, which enables you to play back MQA audio files and streams, delivering the sound of the "original master recording". This method of decoding delivers the highest possible sound quality available from MQA.

W20

Flagship Music Server & Player
with 12TB storage

・ 12TB hard disk drive storage with solid-state drive cache for playback.
・ Isolated and damped hard disk drives in their own aluminum casing
・ Supports Network-Attached Storage (NAS)
・ Dual-power, fanless high-quality SMPS/battery power supply
・ Innovative technology featuring battery power / dual wire / clock input
・ Full range of digital audio outputs and ports for network connectivity
・ Award-winning Aurender Conductor App with convenient features
・ External word clock support
・ Dual-wire AES/EBU mode
・ Separate LiFePO4 (LFP) battery power supply for audio components
・ Internal UPS to protect the W20 from unexpected power outage
・ Oven-Controlled Crystal Oscillator (OCXO) for long term jitter reduction
・ FPGA-based all digital phase-locked loop system
・ Dedicated USB audio class 2.0 output with ultra low-noise power circuitry
・ Remote internet technical support

Designed to be used with the highest performing digital-to-analog converters, the Aurender W20 is one of the few Music Players to support external word clocks used in recording studios, and dual-wire mode used by many reference digital-to-analog converters to separate transmission of left and right channels for better fidelity.

With 12TB of (6TB x 2) internal hard disk drives and one 240GB solid-state drive cache for playback, the W20 is the perfect solution for even the most extensive high-resolution music collections.

N10

· Supports Network-Attached Storage (NAS)
· 240GB SSD storage for caching playback
· 4TB/8TB of internal HDD storage
· Full-Linear power supply
· Optical, COAX, BNC, AES/EBU Digital Audio Ouputs
· On-the-fly precision DSD to PCM Conversion by FPGA
· Designed to keep the system noise level as low as possible
· Full range of digital audio outputs and ports for network connectivity
· Award-winning Aurender Conductor App with convenient features
· Oven-Controlled Crystal Oscillator (OCXO) for long-term jitter reduction
· FPGA-based All Digital Phase-Locked Loop System
· Dedicated USB Audio Class 2.0 Output with Ultra Low-Noise Power Circuitry
· Remote internet technical support

Designed to be used with high-performance digital-to-analog converters, the Aurender N10 (and W20) is the only Music Player to support on-the-fly precision DSD to PCM conversion by FPGA.
With 4TB/8TB internal hard disk drives and one 240GB solid-state drive cache for playback, the N10 is the perfect solution for even the most extensive high-resolution music collections.

X100L

up to **12TB** storage

The Aurender X100L digital music player supports DSD (DSF, DFF), WAV, FLAC, ALAC, APE, AIFF, M4A and other major formats at native bit and sampling rates.

Equipped with a clean USB digital audio output, Ethernet port, 6TB or 12TB of internal storage, terabytes of internal storage, 120GB solid-state drive for cached playback, the X100L is the ideal solution for playing and storing high-resolution digital music collections for those who own quality USB DACs.

・ Available in 6TB or 12TB internal storage
・ Cached playback of internal and NAS content
・ Clean USB audio class 2.0 output
・ Damped hard disk drives
・ Machined aluminum case
・ 3.3 inch AMOLED display
・ Filter your music library by title, artist, composer, genre or file resolution / type.
・ Gigabit Ethernet LAN Port for network connectivity
・ Award-winning Aurender App with convenient features
・ Fanless Switch-Mode Power Supply (SMPS)
・ Remote internet technical support
・ Optional UC100 can be used to convert USB out to SPDIF or UT100 to convert to Optical output

N100H

The Aurender N100H digital music player supports DSD (DSF, DFF), WAV, FLAC, ALAC, APE, AIFF, M4A and other major formats at native bit and sampling rates.

Equipped with a high-performance USB digital audio output, Ethernet port, 120GB solid-state drive for cached playback, the N100H is also the ideal solution for playing high-resolution digital music collections from NAS, streaming sources such as TIDAL and Qobuz, or stored on internal HD.

・ 120GB SSD for caching playback
・ 2TB/4TB internal storage
・ Cached playback of internal and NAS contents
・ Clean USB audio class 2.0 output
・ Full-Linear power supply
・ Machined aluminum case
・ 3.0 inch AMOLED display
・ Switchable for a variety of modes, including names of artists and music titles
・ Gigabit Ethernet LAN Port for network connectivity
・ Award-winning Aurender Conductor App with convenient features
・ Remote internet technical support
・ Optional UC100 can be used to convert USB out to SPDIF or UT100 to convert to Optical output

X725

The Aurender X725 is an all-in-one DAC, preamplifier and power amplifier designed to simplify the task of configuring and setting up a High-Resolution audio system, without the "Audiophile clutter". As the DAC, preamplifier and power amplifier are conveniently built-in, all you need to do is to connect the speakers to the Aurender X725. Simply have a USB cable, power cord, Ethernet cable and a pair of speaker cables ready and you are all set!

· Elegant machined aluminum chassis
· Designed for quiet operation
· USB interface for high-quality audio
· Auxiliary optical SPDIF input (useful for connecting additional audio
  sources, including CD players.)
· Supports all major high-resolution audio formats
· Plays up to 24/192kHz, DSD64/128 in native mode
· Power rating: 125W per channel at 8 ohms
· IR remote control, as well as easy iPad or Android phone app
· Volume control and music selection with Aurender Conductor App
· Designed to be used only with Auender N100H and X100L music servers

X-PAC

X725
DAC/Amplifier

X100L
Caching Music Server & Player

Just add speakers to the Aurender X-PAC or N-PAC to create an easy-to-set-up audio system that makes browsing your library or streaming audio fun and easy. Enjoy audiophile sound quality without the clutter!

N-PAC

X725
DAC/Amplifier

N100H
Caching Music Server & Player

UT100
USB Audio 2.0 to SPDIF (OPTICAL) Converter

UC100
USB Audio 2.0 to SPDIF (COAX) Converter

Precision Asynchronous USB Audio 2.0 to SPDIF (COAX) converter for use with Aurender music servers with USB audio output only.

1. Use when DAC does not have USB Audio 2.0 input
2. Use when DAC may need a special driver for USB Audio 2.0 input.

· Recommended usage is with Aurender Music Servers only.
  X100L / N100H / A10. We do not provide drivers for PC/Mac.
· Drivers are not required when using with Aurender Music Servers.

Precision Asynchronous USB Audio 2.0 to SPDIF (OPTICAL) converter for use with Aurender music servers with USB audio output only.

1. Use when DAC does not have USB Audio 2.0 input
2. Use when DAC may need a special driver for USB Audio 2.0 input.

· Recommended usage is with Aurender Music Servers only.
  N100H / X100. We do not provide drivers for PC/Mac.
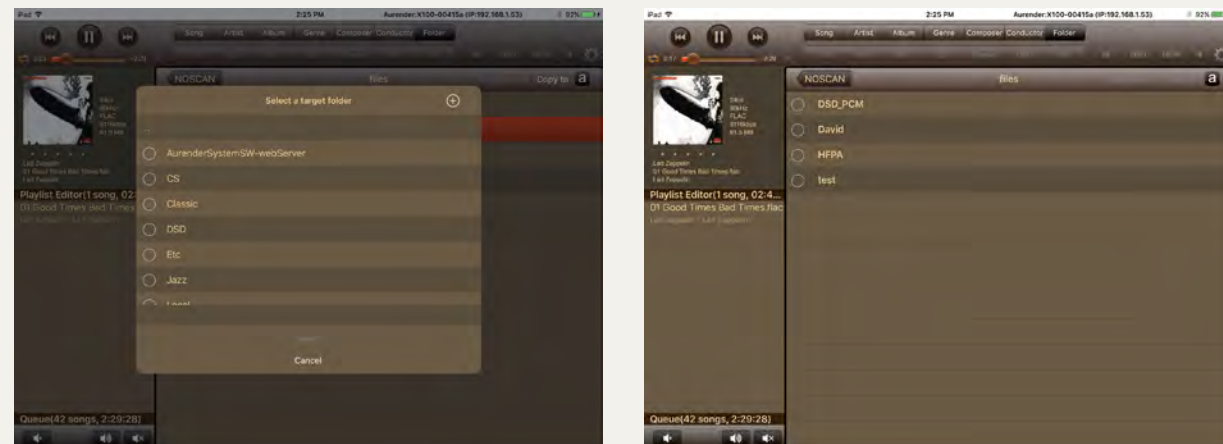· Drivers are not required when using with Aurender Music Servers.

Conductor App

Aurender comes with a dedicated app which has been specially developed for Aurender to deliver the ultimate in convenience and functionality. The Aurender iPad and Android app have been developed with a huge music database in mind, and providing fast browsing / searching of your favorite music.

· Intuitive user interface
· One-click addition of the music to the Play Queue
· Filter your music library by title, artist, composer, genre or file resolution / type.
· DSD, 16/24bit, MQA sampling rate filter
· Star Rating filter
· Supports front and back of album cover
· Gapless playback
· "Go-To-Artist" and "Go-To-Album" feature
· TIDAL full-resolution / MQA music streaming service superbly integrated
  (separate subscription required)
· Power search (64bit iPad only)
· Both iPad app and 'Lite' Android app for smartphone supported.
· Android app will run on tablets but the UI of the app is optimized for Android smartphones.
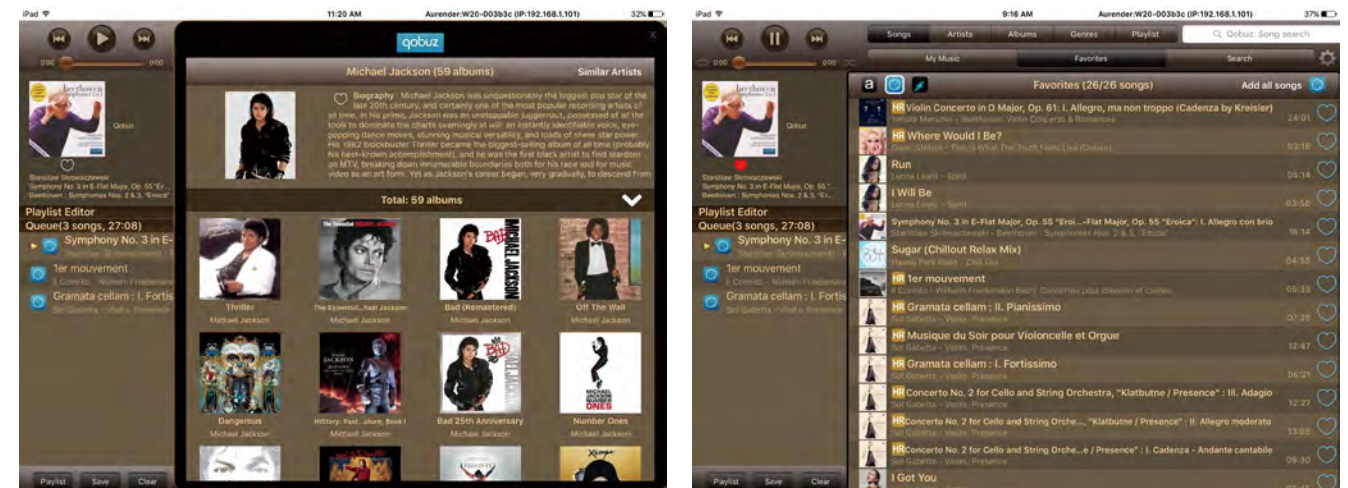 (Supports Android device with OS of Kit-Kat or later versions.)

Smart Copy

The Smart Copy feature allows, within the Conductor App, user selected music to be imported into the Aurender's internal HDD. You can now transfer content from either a NAS or USB drive without having to use a PC or Mac. The Smart Copy process ensures all metadata, folders and files are transferred together. And Smart Copy allows you to chose the designated target folder within the Aurender HDD making your music library easy to organize in a way that suits you. This new feature is backward compatible with any model Aurender streamer / player.

Supports Streaming

Enjoy lossless streaming from the following streaming services – Tidal, Qobuz, Bugs and Melon as direct access is provided though Aurender Conductor on your iPad (check availability of service in your country, subscription required).

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Music Servers / Streamers
Line For **2017**

	W20	N10	A10	X100L	N100H
Width	Full-Size (430mm / 16.93in)	Full-Size (430mm / 16.93in)	Full-Size (430mm / 16.93in)	Half-Size (215mm / 8.46in)	Half-Size (215mm / 8.46in)
Height	106mm / 4.17in	83mm / 3.27in	55mm / 2.2in	83mm / 3.27in	55mm / 2.2in
Length	370mm / 14.6in	353mm / 13.9in	353mm / 13.9in	355mm / 14.0in	355mm / 14.0in
Weight	19kg / 41.89lbs	12.26kg / 27.03lbs	10.2kg / 22.5lbs	7.5kg / 16.53lbs	4.6kg / 10.14lbs
SSD for System and Cache	240G	240G	120G	120G	120G
Music Storage	12TB HDD (3.5" 6TB x 2)	4TB / 8TB HDD	4TB (2.5" HDD x 1)	6TB / 12TB (3.5" 3TB x 2 or 6TB x 2)	2TB / 4TB (2.5" HDD x 1)
Power	Battery + SMPS	Full-Linear	Full-Linear	SMPS	Full-Linear
Display	3.7" Dual AMOLED	3.3" Dual AMOLED	3.0" AMOLED	3.3" AMOLED	3.0" AMOLED
Digital Audio Output	USB, COAX, Optical, BNC, AES/EBU x 2 (Dual-Wire)	USB, COAX, Optical, BNC, AES/EBU	USB	USB	USB
Digital Audio Input	–	–	SPDIF Optical	–	–
Analog Audio Output	–	–	Balanced (XLR) / Unbalanced (RCA)	–	–
Master Clock Input	Word Clock or Master Clock Input (BNC)	–	–	–	–
Other I/O	Gigabit Ethernet, USB Port x 2	Gigabit Ethernet, USB Port x 2	Gigabit Ethernet, USB Port x 2	Gigabit Ethernet, USB Port x 2	Gigabit Ethernet, USB Port x 2
Finish	Silver or Black	Silver or Black	Silver or Black	Silver	Silver or Black

X725

Width	Half-Size (215mm / 8.46in)
Height	55mm / 2.2in
Length	355mm / 14.0in
Weight	4.7kg / 10.4lbs
User Interface	IR Remote Control Aurender App (via X100L / N100H) Volume Knob
Volume Control Range	95dB – 0dB
Output Power	100W x 2 / 0.01% THD+N 8 ohms
Frequency Response	20Hz – 20kHz (0.5dB)
Digital Inputs	1 Optical SPDIF / 1 Audio 2.0 USB
Analog Out	Stereo Speaker Output
Finish	Silver

UC100

Width	145mm / 5.7in
Height	30mm / 1.18in
Length	54mm / 2.12in
Weight	280g / 0.62lbs
Input	High-Speed USB 2.0 USB Audio Class 2.0
Output	SPDIF (Coaxial RCA 75 ohms)
Supported Word Lengths	up to 24-bit
Supported Sampling Rates	up to 192kHz
Supported DSD	DSD64 supported with DoP
Power	USB VBUS 5V/200mA
Finish	Silver

UT100

Width	55mm / 2.16in
Height	45mm / 1.77in
Length	25mm / 0.98in
Weight	100g / 0.22lbs
Input	High-Speed USB 2.0 USB Audio Class 2.0
Output	SPDIF (OPTICAL)
Supported Word Lengths	up to 24-bit
Supported Sampling Rates	up to 192kHz
Supported DSD	DSD64 supported with DoP
Power	USB VBUS 5V/150mA
Finish	Silver

Specifications subject to change.

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