

# aurender

## Music Servers/Streamers Line For 2015

The only company offering a complete line of industry-leading Music Servers with content storage (up to 12TB), SSD caching Network Streamers and in-house developed iPad and Android apps rated #1 in field.



### W20

Flagship Music Server & Player  
with 12TB of Internal Storage



**N10** Caching Network Music player



**X100** Music Server & Player for USB DACs



**N100** Caching Network Music Player for USB DACs



**X725** Matching USB DAC/Amplifier for X100/N100 Series

# Flagship Music Servers & Players



Designed to be used with high performance 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 storage capacity on two 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.

- Innovative technology with battery power/dual wire/master clock input
- Full range of digital audio outputs and ports for network connectivity
- Aurender app packed with convenient features for full-function control.
- External word clock support
- Dual-wire AES/EBU mode
- Separate LiFePO4 (LFP) battery power supply for audio components
- Internal UPS to protect the storage 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
- Quality fanless Switching Mode Power Supply (SMPS for CPU board)
- Remote internet technical support

## W20

### Music Server & Player



- 12TB hard disk drive storage with solid-state drive cache for playback.
- Isolated and damped hard disk drives with its own Aluminum casing
- Supports Network-Attached Storage (NAS)
- Dual power, fanless quality SMPS and battery

## N10

### Caching Network Music Player



- Supports Network-Attached Storage (NAS)
- 240GB SSD storage for caching playback
- Supports Network-Attached Storage(NAS) with full meta-tags with the help of AMM (Aurender Media Manager)
- Full linear power supply
- Optical, COAX, BNC, AES/EBU Digital Audio Output

# Music Servers & Players for USB DACs

The Aurender X100 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, terabytes of internal storage, 120GB solid-state drive for cached playback, the X100 is the ideal solution for playing and storing high resolution digital music collections.

- Up to 12TB of internal storage
- Cached playback of internal and NAS contents  
X100 uses intelligent caching algorithm to achieve both noise-free silent operation & vast capacity of HDDs.
- Clean USB audio class 2.0 output  
Ultra low noise linear regulated USB power output.
- Damped hard disk drives
- Machined aluminum case
- 3.3 inch AMOLED display  
Display is switchable for a variety of modes, including names of artists and music titles.



## X100

### Music Server & Player

- Up to 12TB of internal storage
- Cached playback of internal and NAS contents
- Clean USB audio class 2.0 output
- Damped hard disk drives
- Machined aluminum case
- 3.3 inch AMOLED display



## N100

### Caching Network Music Player

- 120GB SSD for caching playback
- 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
- Optional 1TB SSD storage (N100S model)



# DAC/Amplifier



X725  
DAC/Amplifier

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. 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!

An audio system designed around the Aurender X725 and X100 or N100 music player will use fewer cables and fewer audio components than a traditional analog based audio system, and can be set up much quicker and more easily. The Aurender X725 is ideal for music lovers who don't have the patience or space for all the "Audiophile clutter" but want to maintain the sound quality.

The digital audio signal received by the USB audio input of X725 from the matching X100 or N100 is converted to an analog signal by the internal DAC. The preamplifier section controls volume and source selection, and the power amplifier amplifies the audio signal to power the speakers. And, the fun iPad or Android app controls all!

- 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 controller
- Volume control & source select with Aurender App (via Aurender Music Servers)

# Two Component System

## Easy-to-Set-Up Component System

Just add speakers to the Aurender X-PAC or N-PAC to make an easy-to-set-up, yet powerful audio system that makes browsing and playing up to 20,000 CDs or more worth of high resolution audio fun and easy. Enjoy audiophile quality music without "Audiophile Clutter".



## X-PAC

X100 Music Server & Player  
X725 DAC/Amplifier



## N-PAC

N100 Network Music Player  
X725 DAC/Amplifier



# Aurender App



Aurender comes with a dedicated player which has been specially tuned to Aurender for best performance and convenience. The Aurender iPad and Android app has 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
- Music title, artist, genre, composer filter
- DSD, 16/24bit, sampling rate filter
- Rating filter
- Album front and back cover support
- Gapless playback
- Go to artist, go to album feature
- TIDAL full resolution music service superbly integrated (separate subscription required)
- Power search (64bit iPad only)
- Both iPad app and 'Lite' Android app for phone 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.)



Supports  **TIDAL**



Enjoy 25 million full resolution lossless music tracks perfectly integrated into Aurender's award-winning Servers and Players. You can play music on your Aurender's HDD or music from the TIDAL service using the same app.



# Reference Music Systems

## Music Servers & Streamers Selection Table

Model	User
<b>W20</b>	Flagship DAC users like dCS Vivaldi, Dual AES DAC users, Separate master clock users.
<b>N10</b>	Legacy DAC users with SPDIF connection, NAS users or USB HDD users.

Model	User
<b>X100L(S)</b>	Latest USB DAC users (up to 12TB storage included)
<b>N100</b>	Latest USB DAC users, Users with NAS already set up (optional 1TB SSD storage dealer-installable)

Model	<b>N100</b>	<b>X100S</b>	<b>X100L</b>		<b>N10</b>	<b>W20</b>
Width	Half Size (215 mm/8.46 in)				Full Size (430 mm / 16.93 in)	
Height	45 mm / 1.77 in	83 mm / 3.27 in			83 mm / 3.27 in	106 mm / 4.17 in
Length	355 mm / 13.98 in	257 mm / 10.12 in	355 mm / 13.98 in		TBD	370 mm / 14.57 in
Weight	4.6 kg / 10.14 lb	5.0 kg / 11.02 lb	7.5kg / 16.53 lb		TBD	19kg / 41.89 lb
Availability	Jan. 2015	Now	Now		April, 2015	Now
SSD for System & Cache	120G	120G	120G		240G	240G
Music Storage	Optional	1TB (2.5" HDD)	6TB / 12TB		TBD	12TB HDD (3.5" 6TB x 2)
Power	Full Linear	SMPS	SMPS		Full Linear	Battery + SMPS
Display	3.0" AMOLED	3.3" AMOLED	3.3" AMOLED		TBD	3.7" Dual AMOLED
Digital Audio Output	USB	USB	USB		USB, COAX, Optical, BNC, AES/EBU	USB, COAX, Optical, BNC, AES/EBUx2
Master Clock Input	—	—	—		—	Word Clock or Master Clock Input (BNC)
Other I/O	Gigabit Ethernet, USB Port x2				Gigabit Ethernet, USB Port x2	
						

The Future of Sound  
Reference Music Systems

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