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A1000 Hardware Guide

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Instructions

Please read the following instructions carefully before setting up the Aurender Music Player.

- Be careful not to drop the device to avoid internal damage.
- Do not disassemble the device.
- Keep magnetic materials away from Aurender to prevent any damage to data.

- Do not expose device to oil, dust, water, high humidity or smoke.
- Keep cooling fins free from obstruction.
- When cleaning, use only a soft cloth. Keep out of contact with water or other liquids.
- All servicing must be performed by a qualified representative or the warranty will be voided.
- Unplug power cord during severe lightning storms or when unused for a long period of time.
- Unplug the device from the outlet only after completely turning off the unit.
- Always turn the power off before connecting or disconnecting any cables.
- Please note that hard drives can fail break down.

It is important to backup your music collection periodically to a separate memory device. In the event of drive failure, Aurender is not responsible for any loss of data. The drive manufacturer will only replace faulty drives under warranty and will not compensate for any loss of data.

Positioning

- Place your device on a flat, horizontal, and stable surface.
- Keep away from heat sources, such as radiators.
- Allow space around the device for ventilation.
- Do not place inside an enclosed cabinet.

Front Panel



1. ON/OFF/Standby

Pressing the illuminated power button will power the unit on and off. To power the A1000 on from standby, press the button once, so the Aurender display shows "Aurender A1000". If the A1000 is powered on, enter Standby mode by pressing the front panel button once, and the unit will turn off with a display message that says "shutting down, please wait". If the Aurender is powered on but the screen is off, you will hit the power button one time to wake the screen up and one more time to enter standby mode. *In standby mode, the Aurender is not reachable with the Conductor app. The power LED will flash during boot up and shut down. The flashing will stop when the boot procedure completes.

2. LCD Display

3. Volume Knob

4. Input selection

Press the button to toggle input A1000 – BT – ARC – Coaxial – Optical - USB

5. IR Receive window

6. Output selection

Press the button to toggle output analog - digital

7. Display Menu button

Press to cycle through 3 display options: Song Information, Playlist and Aurender IP. Songs from playlists may be selected using the four buttons on the right side of the front panel display. Use buttons 8 and 10 to scroll between playlists and button 9 to select a playlist. After

the playlist is selected, press button 9 again to start playback. Once the playlist is selected, buttons 8 and 10 can be used to select songs within the selected playlist.

8. Play Previous button

Press to skip to the previous track.

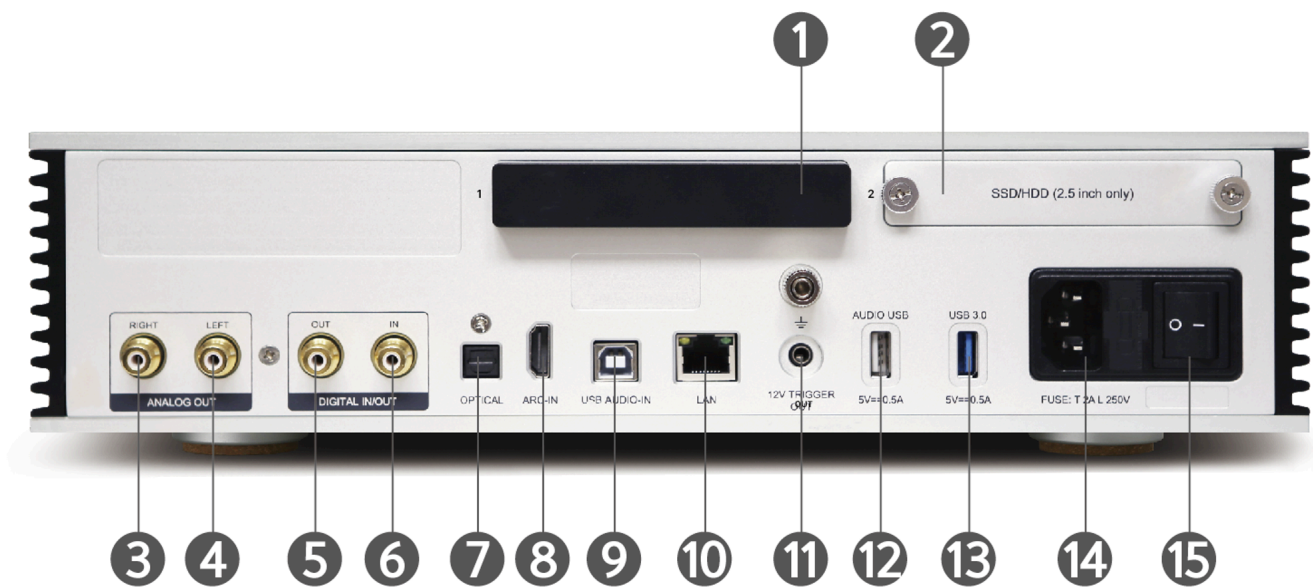
9. Play/Pause button

Press to start or stop playback.

10. Play Next button

Press to skip to the next track

Rear Panel



1. BT Antenna

2. HDD or SSD 2.5" Slot

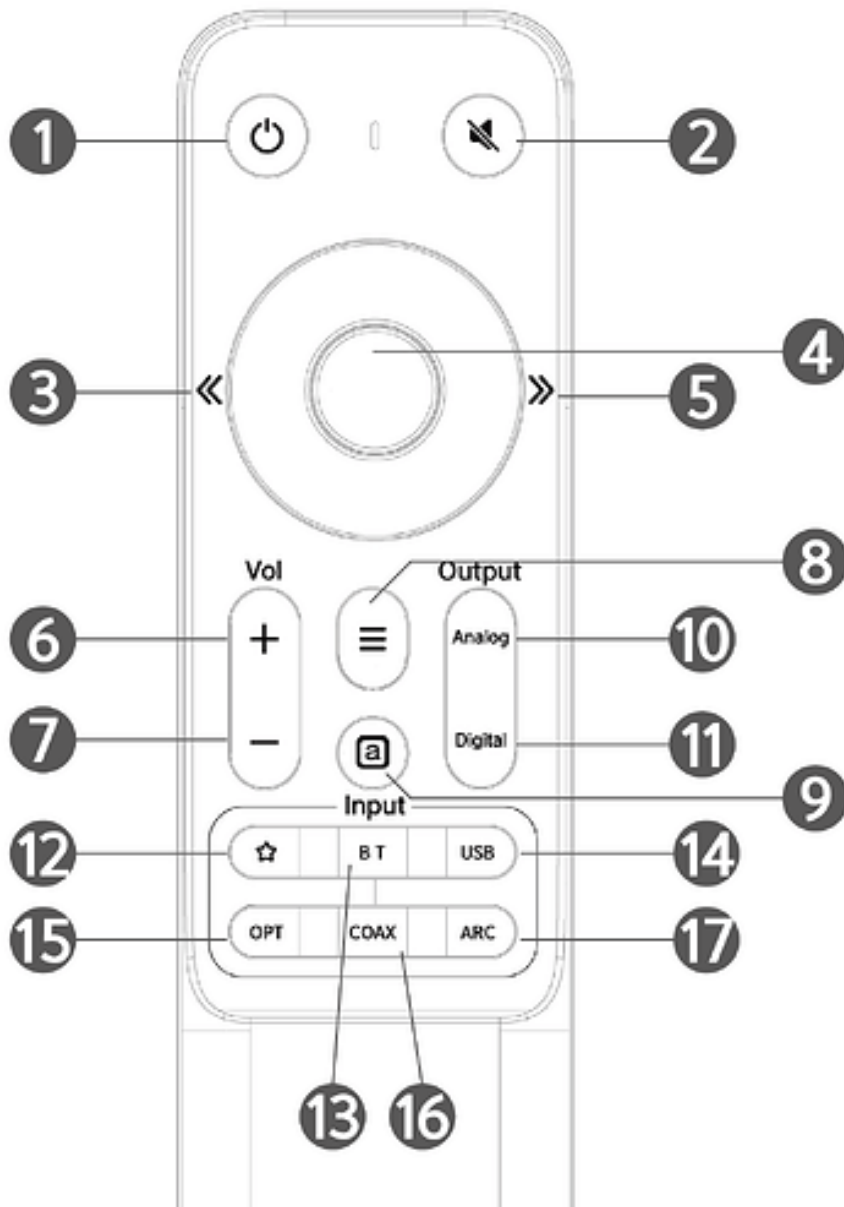
3. Analog Audio Output – RCA Right

4. Analog Audio Output – RCA Left

5. **Digital Audio Output - Coaxial SPDIF (RCA)**
6. **Digital Audio Input - Coaxial SPDIF (RCA)**
7. **Digital Audio Input - Optical SPDIF**
8. **TV ARC Audio Input**
9. **USB Audio Input**
10. **1Gbps LAN port**
11. **12V Trigger Output**
12. **USB Audio 2.0 Out**
13. **USB 3.0 Data Port**
14. **AC Power Socket**
15. **AC Power Switch**

Connect to a power outlet with AC Power cord.

BLE Remote Control



1. Power ON/OFF

2. MUTE

3. Play Previous

4. Play / Pause

5. Play Next

6. Volume Up

7. Volume Down

8. Display Menu

9. **Input — Aurender (SSD/HDD)**

10. **Output — Analog**

11. **Output — Digital**

12. **Input — Google Cast**

13. **Input — BT**

14. **Input — USB**

15. **Input — Optical**

16. **Input — Coaxial**

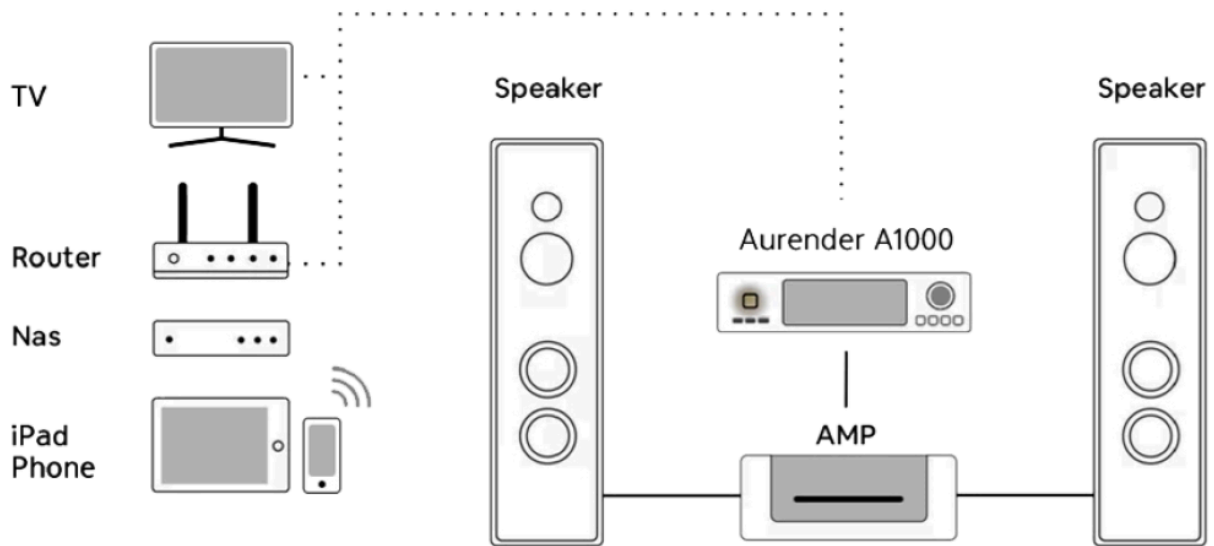
17. **Input — TV ARC**

Pairing BLE remote

1. Turn on A1000.
2. Press #4 (Play/ Pause) and #13 (BT) button together for 5 seconds.
3. LED on remote will start blinking in pairing mode.
4. If LED stops blinking, it's done.

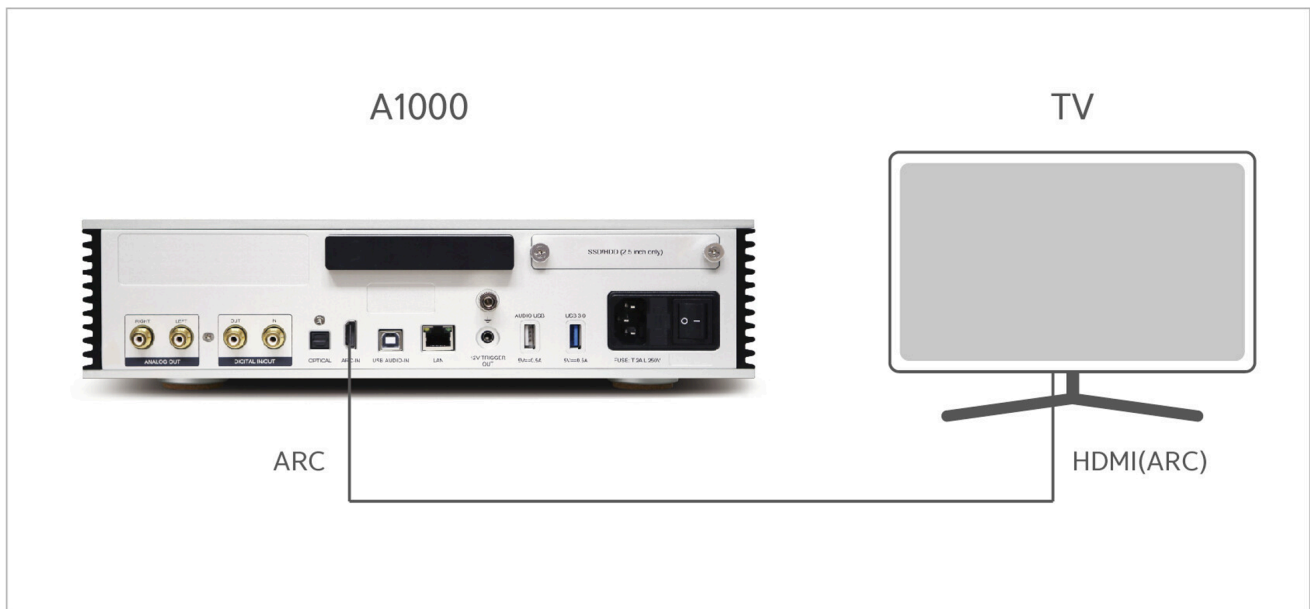
Connection

Connection to amplifier and router



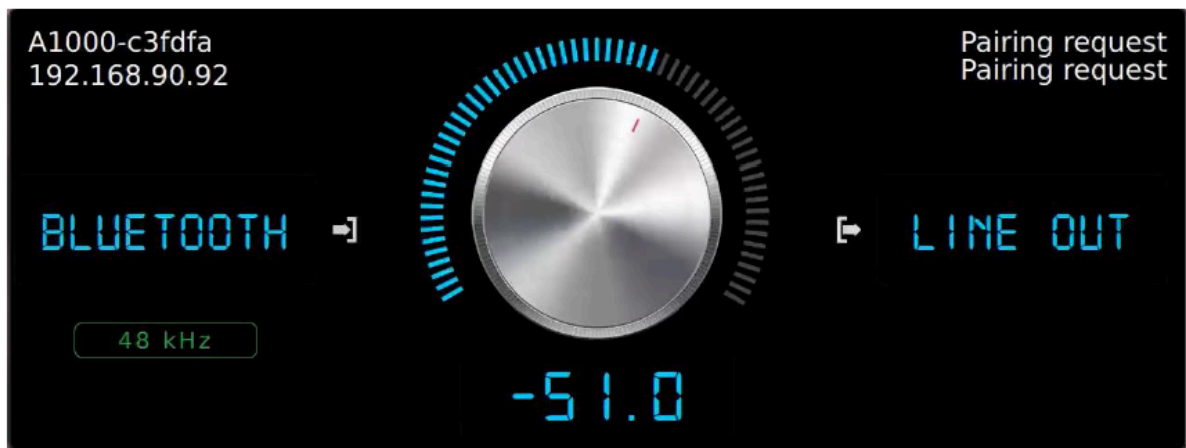
Connect A1000 with your TV using ARC

1. Check that your TV has HDMI ARC (Audio Return Channel) and connect the A1000's ARC port with this input using HDMI 1.4 or newer cable.
2. Connect main power to your A1000 unit and power it ON.
3. Power ON your TV, enable HDMI/ARC audio input from TV side. Make sure to setup audio output to PCM.
4. A1000 will now be operated from your TV via CEC commands from TV. This will allow you to use you TV-remote to adjust volume of the A1000 and also the A1000 will power ON and OFF together with your TV.
5. A1000 will power on/off with TV only in ARC input mode.

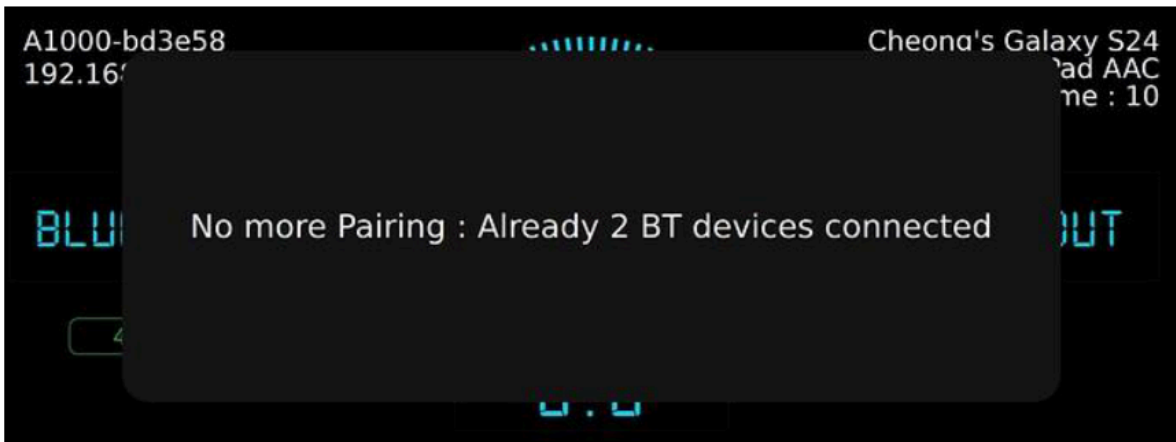


Connect A1000 through BT:

1. Change input to "BT" mode by pressing remote button #13.
2. You can connect A1000 up to two devices thru BT.
3. For initial setting, it should be in pairing mode. Please press the "Menu" (3 lines) button on front panel or remote. The LCD will show "pairing request" message.



4. Please turn on BT on your phone and search for "A1000", then select it.
5. It will show "connecting" on LCD when trying to connect and show "connected" when done.
6. If two devices are already connected, you need to disconnect or unpair one of them to connect another BT device. Otherwise, the below screen will show up when pressing "Menu" button.



Streaming audio playback

Google Cast playback:

1. Make sure your playback device is on the same network as your A1000.
2. From any Google Cast supported App, you can find the Google Cast symbol, if it is on the same network as your A1000 system.
3. Simply press the logo and choose A1000.



Tidal Connect:

1. Play a song and tap on the "Now playing" bar.
2. Tap on the device selector at the top right.
3. Select a TIDAL Connect-enabled device (e.g. A1000).



Spotify Connect:

1. Use your phone, tablet or computer as a remote control for Spotify.
2. Go to www.spotify.com/connect to learn how.
3. The Spotify Software is subject to third party licenses found here:
 - www.spotify.com/connect/third-party-licenses



Physical Specifications

Dimensions	13.8"W x 14"D x 3.8"H (3.3" w/o Feet)
Weight	18.3lb (8.3kg)
Material	Machined Aluminum Chassis
Front Panel Display	6.9" 1280 x 480 Wide IPS Color LCD
Front Control Panel	Power, Input, Output, Mode, Play/Pause, Next Track, Previous Track, Volume Jog
Remote Control	Bluetooth LE Remote control

Technical Specifications

Power Supply	Full Linear Toroidal
CPU	Quad-core 2.0Ghz CPU (ARM Coretex-A55)
RAM	4GB DRAM
Library Storage Capacity	1x 2.5"
SSD for System & Cache	32G eMMC for System, 120GB NVMe for Cache
Data USB Ports	1x for external storage
Software Suite	Aurender Conductor

Ethernet Port	100/1000 (Gigabit)
Power Consumption	Play (15W), Peak (20W), Standby (1.4W)
ARC	1x ARC-in for TV ARC port
12V Trigger	1x for external equipment

Audio Specifications

Analog Outputs	RCA (Unbalanced)
DAC Chipset	AKM4490REQ Dual Mono
Analog Outputs Supported Format	Up To 32-bit / 768 KHz, DSD512(Native)
Digital Outputs	COAX RCA, USB external DAC Support
USB Output Supported Format	Up To 32-bit / 768 KHz, DSD512(Native)
Digital Inputs	COAX RCA, Optical/Toslink, USB Type B, ARC
Compatible Formats	DSD (DSF, DFF), WAV, FLAC, AIFF, ALAC, M4A, MQA and others
Streaming Protocol Support	Tidal Connect, Spotify Connect, Airplay
Google Cast Audio	Allows casting from: Qobuz, Youtube, Deezer, Bugs, Melon & others (up to 96khz/24 bit)
Bluetooth	up to AptX-HD

Warning

Before connecting audio cables, first check to see that all devices are grounded using grounded plugs and grounded sockets. In addition, all devices should be turned off, before connecting any audio or digital cables. If the devices are not grounded, a voltage potential difference between devices can cause a voltage surge through the audio cable that can weaken and eventually damage sensitive circuits in D/A converters and other devices.

Advarsel Før du tilslutter lyd kabler, skal du først kontrollere, at alle enheder er det jordet ved hjælp af jordede stik og jordede stikkontakter. Derudover alle enheder skal være slukket, før du tilslutter

lyd- eller digitale kabler. Hvis enheder ikke er jordet, kan en spændingspotentialforskel mellem enhederne forårsage en spændingsstigning gennem lyd-kablet, der kan svækkes og til sidst beskadige følsomme kredsløb i D/A-konvertere og andre enheder

Varoitus Ennen kuin liität äänikaapeleita, tarkista ensin, että kaikki laitteet ovat kunnossa maadoitettu maadoitettujen pistokkeiden ja pistorasioiden avulla. Lisäksi kaikki laitteet tulee sammuttaa, ennen kuin kytket ääni- tai digitaalikaapeleita. Jos laitteita ei ole maadoitettu, laitteiden välinen jännitepotentialiero voi olla aiheuttaa jännitepiikin äänikaapelin kautta, joka voi heikentää ja lopulta vahingoittaa herkkiä piirejä D/A-muuntimissa ja muissa laitteissa

Varning Innan du ansluter ljudkablar, kontrollera först att alla enheter är det jordad med jordade stickproppar och jordade uttag. Dessutom alla enheter bör stängas av innan du ansluter några ljud- eller digitalkablar. Om enheter inte är jordade, kan en spänningspotentialskillnad mellan enheterna orsaka en spänningsstöt genom ljudkabeln som kan försvagas och så småningom skada känsliga kretsar i D/A-omvandlare och andra enheter.



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