

a100 linear

USER GUIDE

Congratulations on your new CONSONANCE!

Our products are based on a simple philosophy:

The component shall reproduce the original musical sound, purely and naturally.

The products are easy to operate and are manufactured according to the best quality principles.

All CONSONANCE products are created with acoustical instruments in a concert situation as point of reference. The music is reproduced exactly like the original and is limited only by the quality of the recording.

Our aim is to give you the best possible music experience!

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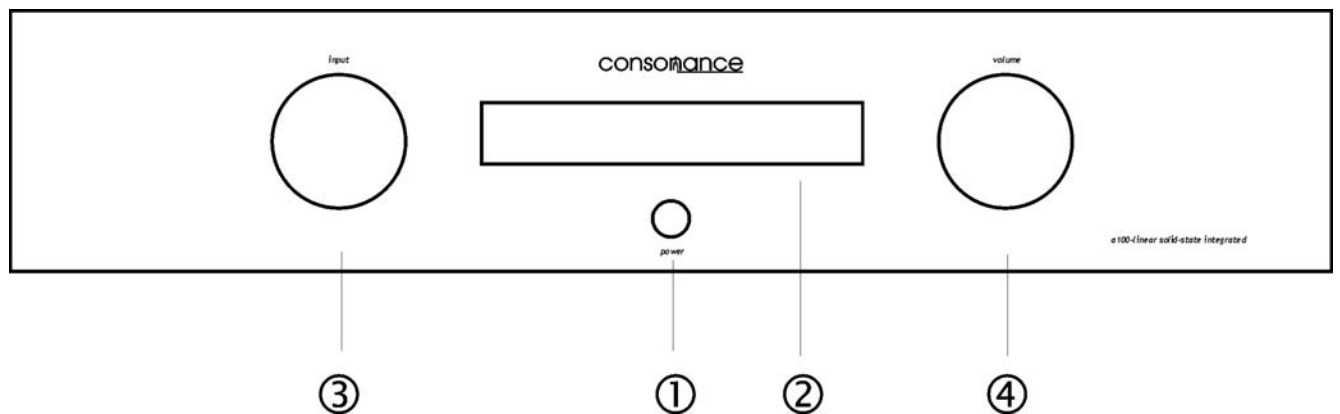
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SOUND ADVICE

The Consonance a100 linear Solid-state Integrated Amplifier is easy to connect and operate and requires no prior technical knowledge. However, to get the most out of the amplifier's superior sound and music quality, we have provided a brief description of the connections and use of the amplifier in order to provide a total music experience.

We recommend keeping this user guide for future reference.

GENERAL USE



The amplifier is switched on with the button ① in the middle of the front panel. A flashing " -- -- --" blue light in the display ② indicates that power is switched on. By pushing the same button one more time the power is switched off.

When power is switched on, the "IN1" at the left side of display will light and " -- -- --" keep flashing at the right side of display. After about 10 seconds, the " -- -- --" will stop flashing and indicate "0".

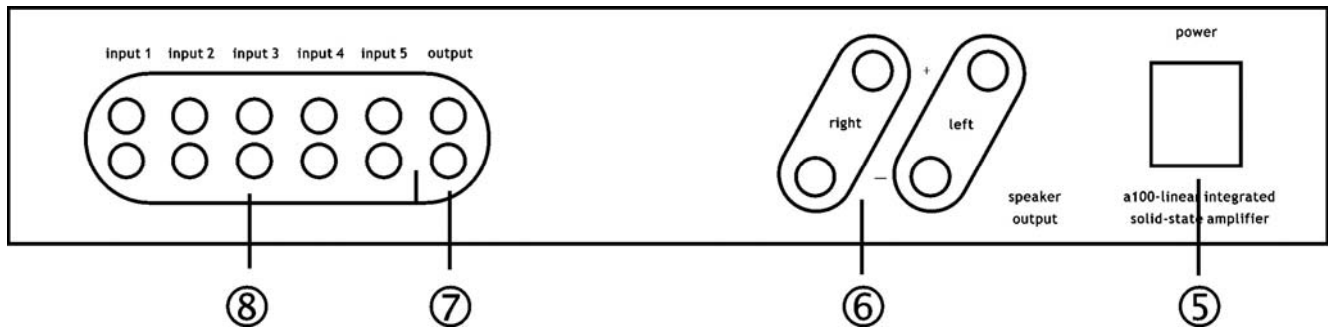
On the right of the front panel, the left knob ③ is the channel selector with selections: INPUT1(" IN1"), INPUT2(" IN2"), INPUT3(" IN3"), INPUT4(" IN4") , INPUT5(" IN5") and the right knob ④ is the volume control.

Avoid connecting input cables or selecting inputs with the source selector switch if the volume setting of the amplifier is not fully turned down and the speakers are connected. A transient signal might then arise, which can damage the speakers. The amplifier will not be harmed, but to avoid overloading the speakers, the volume should be turned fully down or the mute function should be switched on when connecting and disconnecting cables.

Note: The volume will be turned fully down automatically when the amplifier is switched off and re-switched on for the same reason.

The amplifier is protected against short-circuiting of the speaker terminals, but we still recommend turning off the amplifier when connecting and disconnecting signal and speaker cables.

The amplifier is designed to be used with a CD player, DVD player, cassette deck, tuner or similar sound source.



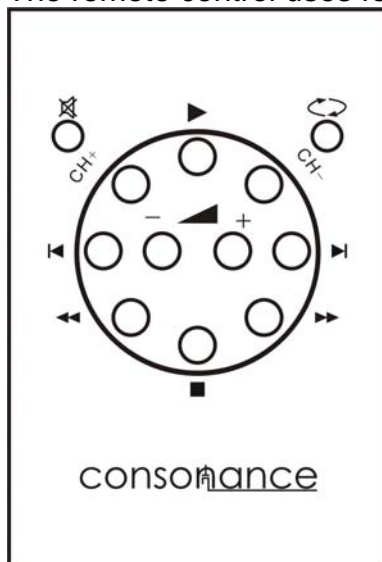
From left to right the connectors are :

- ⑧ INPUT1-5("IN1"- "IN5" displayed on the screen) Phono/RCA Signal input right/left
- ⑦ Pre output Phono/RCA right/left
- ⑥ Speaker output right
- ⑥ Speaker output left
- ⑤ AC Power connection 230V / 115V / 100V AC dependent on country.

CONSONANCE REMOTE CONTROL

The Consonance a100 linear can be controlled by an optional Consonance system remote control. Like other Consonance products, the number of buttons is kept to a minimum. The volume, channel select and mute functions of the a100 linear can be operated by using the remote control. The Consonance system remote control will also control other Consonance products like CD players, avoiding the need of several different remote control devices.

The remote control uses four 1.5-volt LR03 AAA batteries .



USE & PLACEMENT

The Consonance a100 linear should be placed on a flat, hard surface for proper cooling. The amplifier performs best after being switched on for 1 hour for heating up. A certain space is required for air circulation above and below the amplifier. The amplifier must never be placed

on a carpet or similar surface that obstructs air circulation through the component. Nor must it be covered while in use or placed on a narrow shelf or in another confined space.

The amplifier will automatically switch itself off if overheated.

CLEANING

The top cover and knobs are made of brushed and anodized aluminum, while the front panel is made of solid, powder coated aluminum. Fingerprints or stains on the front panel, knobs or top cover can be removed with a cloth moistened with warm water.

TECHNICAL SPECIFICATIONS

a100 linear Solid-state Integrated Amplifier

Specifications:

Power output	80W + 80W at 8 Ohms
Minimum load	4 ohms speakers can be connected.
Input Sources	5 selectable inputs switched by gold plated relays
Input Terminals	Gold plated Phono/RCA unbalanced
Output Terminals	One set of gold plated speaker terminals each channel
Line level Outputs	Gold plated Phono/RCA unbalanced pre out
Frequency response	- 0.5 dB deviation 2Hz-100kHz
Phase response	Less than 2 degrees deviation 2Hz-100kHz
Signal-to-noise ratio	More than 95dB
Input Sensitivity:	500mV
Distortion	Less than 0.02% (20W 8 Ohms)
Inter-modulation	Less than 0.01% (19kHz + 20kHz)
Remote Control	RC-5 compatible IR system 36kHz modulation

NOTE & WARNING

Consonance products should only be opened or serviced by certified technicians. The devices contain electronic components that can cause severe electric shock. Work performed on Consonance products by unqualified personnel can cause serious damage and personal injury.

Opening of the product by non-authorized personnel will void the guarantee.

The products must not be exposed to rain or moisture.

Warranty

Opera audio guarantees each product manufactured by us to be free from defects in materials and workmanship under normal use. Our obligation under this warranty is limited to making good at our factory any part or parts thereof which shall, within 1 year after delivery to the original purchaser, be returned to us with transportation charges prepaid, and which an examination shall disclose to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part. This warranty shall not apply to any Opera audio product which shall have been repaired or altered outside of our factory in any way so as to affect its stability, nor which has been subject to misuse, negligence or accident. Warranties of the vacuum tubes are by the respective manufacturers, usually 90 days.

Please mail or e-mail the Registration Card to the address as follows:

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