

# D-linear15

Power Conditioner (EU standard)

## 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.

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## TECHNICAL DESCRIPTION

The D-linear15 is the first power conditioner made by Consonance. The main feature of the D-linear15 is that it is designed to deal with various types of audio equipment matching each piece with its own power supply requirement.

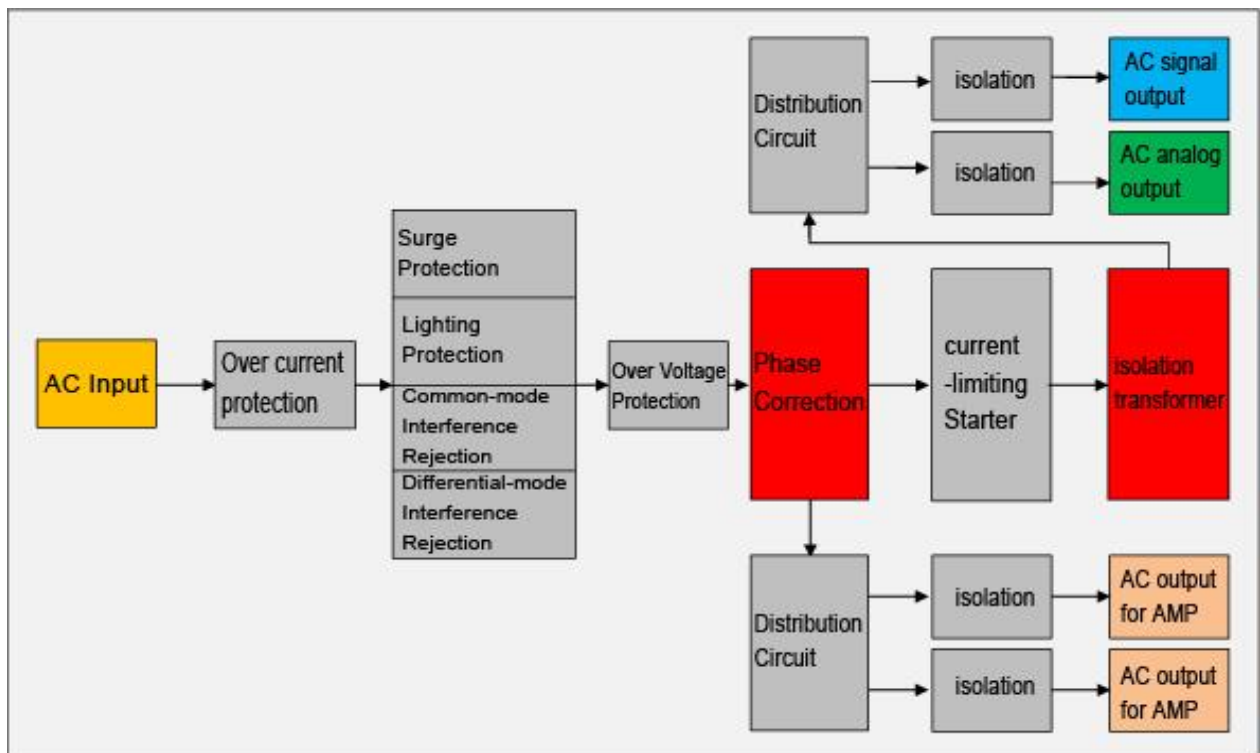
The D-linear15 supplies 3 groups, which totals 10 output ports, including the digital power supply, the analog power supply and the power output power supply.

The digital power supply ports are for audio source equipments (such as CD, DVD, DAC and digital stream players).

The analog power supply ports are for pre-amplifiers and phono stages.

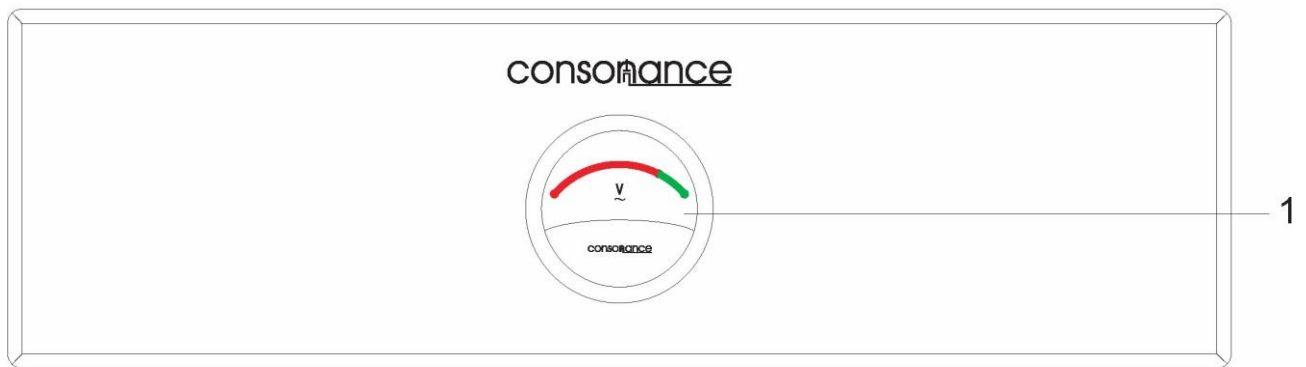
Digital source and analog pre-amplifier is not sensitive to internal resistance from the power grid, but do need more pure electricity. But pre-amplifiers and phono stages, with the high level gain, are very sensitive to dirty power and therefore can increase the noise by 100 fold. Therefore digital and analog equipment should be plug into the separate independent ports to avoid crossover noise. Digital and pre-amplifier outputs travel through a high quality transformer with 3 levels of shielding (type R) which is isolated with silicon-gel. The silicon-gel will lower the high frequency noise and supply suitable damping. Digital and analog power output will, in turn, be isolated.

Normally power and integrated amps, with the power supply coming from a high-power transformer. High-power transformers with the very low internal impedance are very sensitive to DC offset. DC offset can cause transformers to hum, run hotter and have lower voltage output or even burn up the transformer. The D-linear15 power outputs works in parallel mode with the AC power supply and, as an active system, compensates any DC offset in the AC mains from the wall socket. Our special circuit design does not limit the power to the audio system in any way and hence, allows very powerful amps, including several large amps to be hooked up to the D-linear15.



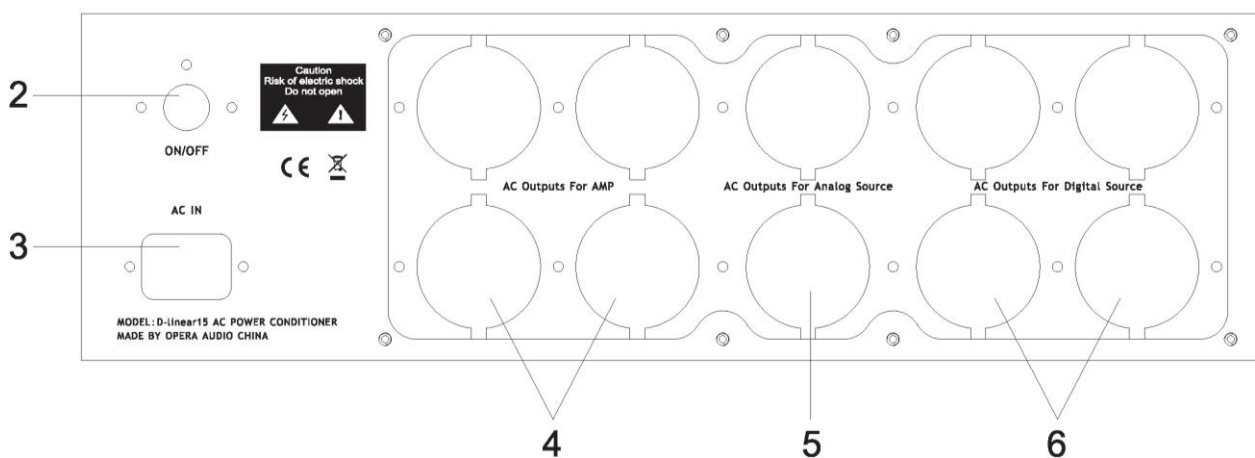
We recommend keeping this user guide for future reference.

## GENERAL USE



1. Power up meter.

When power is switched on, the light in the meter will bright. The meter will show AC input voltage. If the pointer goes out of green area, the D-linear15 will shut down for over voltage protection. If the pointer goes to red area is the low voltage warning.



2. AC power switch.
3. AC power plug.
4. AC outputs for AMP: 4x sockets for power amplifier and integrated amplifier.
5. AC outputs for Analog Source: 2x sockets for pre-amplifier and phono-stage.
6. AC outputs for Signal Source: 4x sockets for CD player, digital stream player and DAC.

## **CLEANING**

The top cover is 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**

AC power connection: Dependent on country

Over current protection: 25A

Over voltage protection: +20% p-p

Surge Protection: 430V p-p

DC suppression: 2400mV

Source and pre-amplifier power output: 600W

Power and integrated amplifier power output: 3400W

The Security Protection:

- 1, Over current Protection: The D-linear15 will shut down the power supply to protect the equipment if the equipment receives too much current.
- 2, Over voltage Protection: The D-linear15 will shut down the power supply to protect the equipment if there is a sudden dangerous level of voltage.
- 3, Surge Protection: The D- linear15 will protect the equipment if there is a surge in the power grid.
- 4, Lightning Protection

## 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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