

Juniline Five

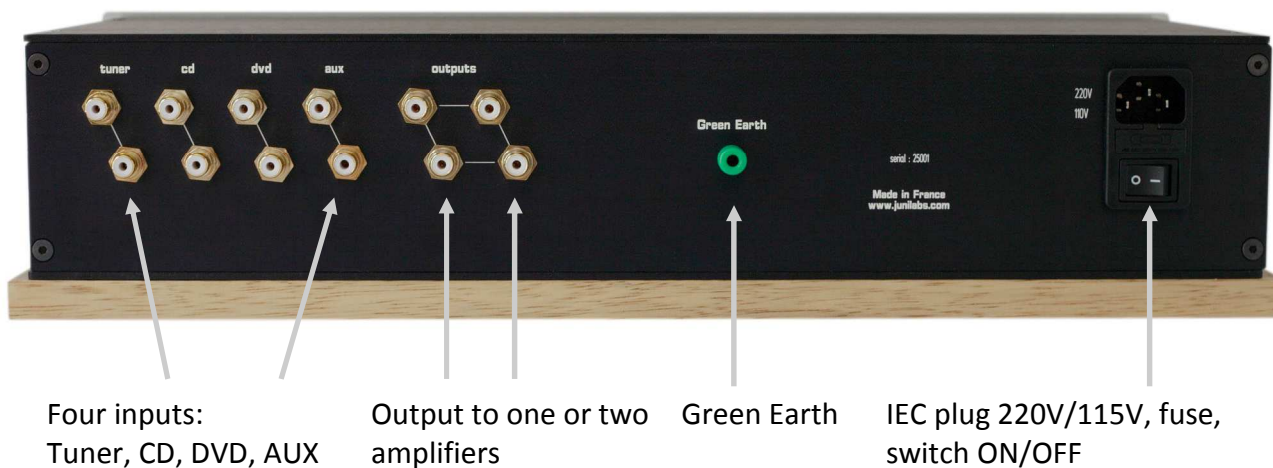
Line preamplifier



The Juniline five is the culmination of an idealist dream: to propose a high quality level preamplifier at an attractive price. To reach this ambitious target, we integrate many innovations that you can only find in our realizations.

Utilization

The Juniline five is a four inputs stereo line preamplifier. We think simplicity of usage and robustness. Commands were simplified: input selector and control level. We can't do simpler; the essential is inside...

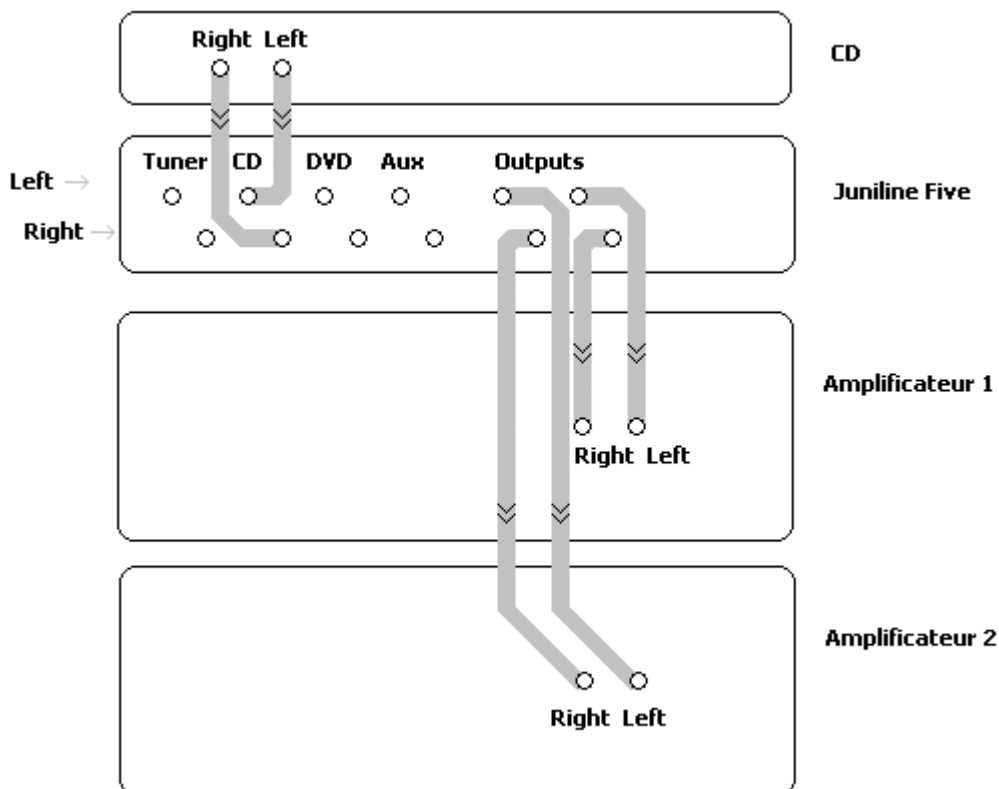


Starting operation

The power ON button is on the rear panel, beside the power main cord. The preamplifier is ready to go when the yellow LED is lit.

Connecting

The Juniline five integrates 4 high level inputs allow connecting sources like CD, DAC, DVD, Tuner... It integrates 2 outputs allow connecting two amplifiers in bi-amplification mode. The following schematic illustrate the connection.



Technical specifications

Inputs: 4 stereo RCA inputs
Outputs: 2 RCA stereo outputs

Gain: 6db
Input impedance: 25Kohm
Recommended output impedance: >10Kohm
Output impedance: <10 ohm
Maximum output level: 5V RMS
Maximum input level: 16V RMS

Main voltage: 220V or 110V.
Power: 11W
Dimensions: 44cm x 8cm x 22cm
Weight: 8k

Fuse for power supply 220/240V - 4AT
Fuse for power supply 110/115V - 8AT

Mechanical

The aluminum chassis box uses hard and soft material to avoid sound degradations due to mechanical vibrations. It sits on a massive Limba support (Limba, Afara (UK), Korina (US), African wood. No feet, no spike). With its granite, it weights no less than 14Kg!



Using of different materials for a better vibration management.

The PCB is fixed with mixed materials (hard and soft); the transformer is damped with sand and absorbers.

This allows a high definition level and comfortable bass.



Damped capacitors

Anti vibratory material fixed on the top chassis box.



Technical solutions

To reach this ambitious target, we integrate many innovations that you can only find in our realizations.

Line stages works in class A, open loop (feedback free) configuration. The large powerful power supplies use a 500VA transformer and many polypropylene or polypropylene film capacitors (higher quality).

Into the Juniline five, we put an active shield toward positive ionic and an evolution of our "shared current power supply". The regulators are powered with high tension, like valves circuits, but with lower tension. The use of big electrolytic capacitors is reduced; we don't use any one in the analog supply or stage! Only 20 μ F are used for filtering. This lower capacity allows using only polypropylene capacitors for all stages. This gives a high quality and realistic tonal balance.

How to get the best from your preamplifier

Running-in period and heating

The preamplifier that you buy is new. To reach its optimal quality level, a 200 hours period is necessary. During or after this period, your converter will give the best of itself when it is hot. This heating period is reached at least after 24H00; we recommend a 48H00 or more heating period.

Analog cord

The quality of the analog cord is very important. Having a high quality analog cable is necessary to reach high quality level.

Power cord and fuse

The quality of the power cord will act on audio rendering. The Juniline Five is provided with standard power cord, it is recommended to change and replace it by a high quality cable.

The Juniline Five is provided with audio grade fuses. It is not necessary to replace it.

Ground optimization

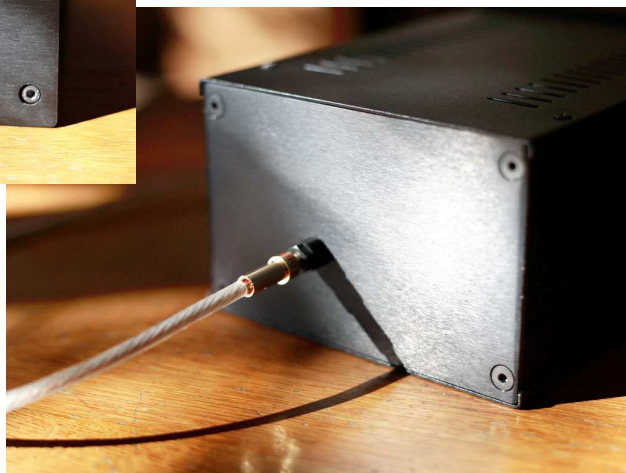
Green Earth

The Juniline Five's chassis box is linked to Earth via its IEC plug. To optimize sound rendering, a second connector named **Green Earth** is available in rear panel. It is internally wired to audio ground.



You can improve Juniline Five's audio rendering by linking the **Green Earth** to:

- A virtual ground, (see picture)
- A Main Earth via a big cable,
- Other audio equipment chassis box.



Here is an example of virtual ground where the **Green Earth** can be connected. The link was made by big cable (loudspeaker cable).

For any other questions, do not hesitate to contact us, or goes to our web site.

The Junilabs' team
contact@junilabs.com
www.junilabs.com