

# **ABSOLARE Integrated Amplifier**

## **User Manual**





## Contents

1. General Description.....	4
2. Safety Issues and Warnings .....	4
3. Unpacking and Placement .....	5
4. Installing the Tubes .....	6
5. Connecting the Cables.....	7
5.1. Power cables.....	7
5.2. Signal Cables .....	7
5.3. Speaker Cables.....	7
6. Operating the Unit.....	8
6.1. General Operation .....	8
6.2. Setting the Volume Level .....	8
7. Troubleshooting and Maintenance .....	9
8. Technical Specifications.....	10

## **1. General Description**

The Absolare Integrated Amplifier is a hybrid design single chassis stereo amplifier. The input section is inspired by the Absolare Preamplifier and the output section is all solid-state, dual mono construction. Both transformer balanced (XLR) and unbalanced (RCA) input versions are available.

## **2. Safety Issues and Warnings**

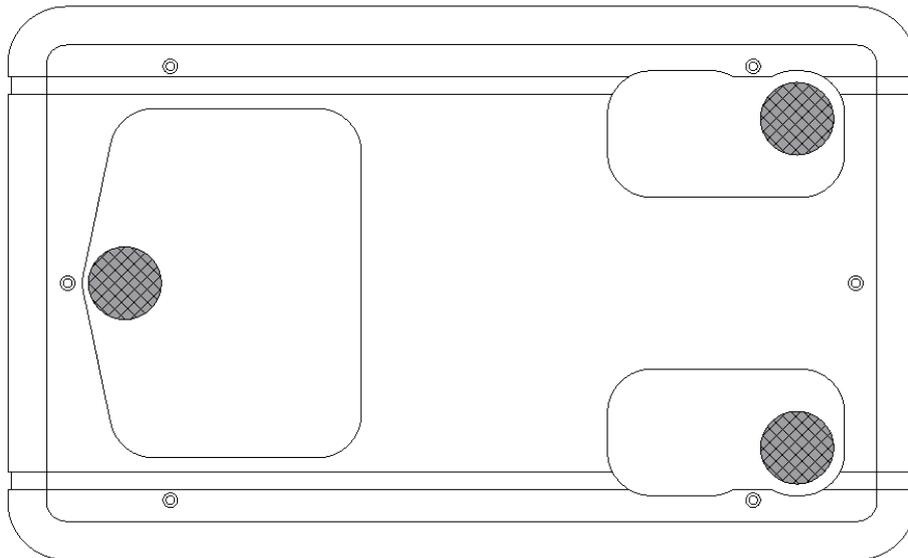
- Ensure the voltage setting of the unit matches the voltage of the available AC power. Operating voltage is fixed and must only be changed by an authorized service agent.
- Do not touch tubes while operating. Tubes are extremely hot devices and also contain very high voltages.
- There are no user serviceable parts inside the units. Do not open bottom covers.
- Do not short circuit the speaker terminals. The output is protected for short circuits but speaker damage may occur from electrical pulses when the connectors touch each other.

### 3. Unpacking and Placement

After opening the top cover of the box, remove the upper layer of hard foam material. You can then lift the units from the box using the cloth underneath the chassis.

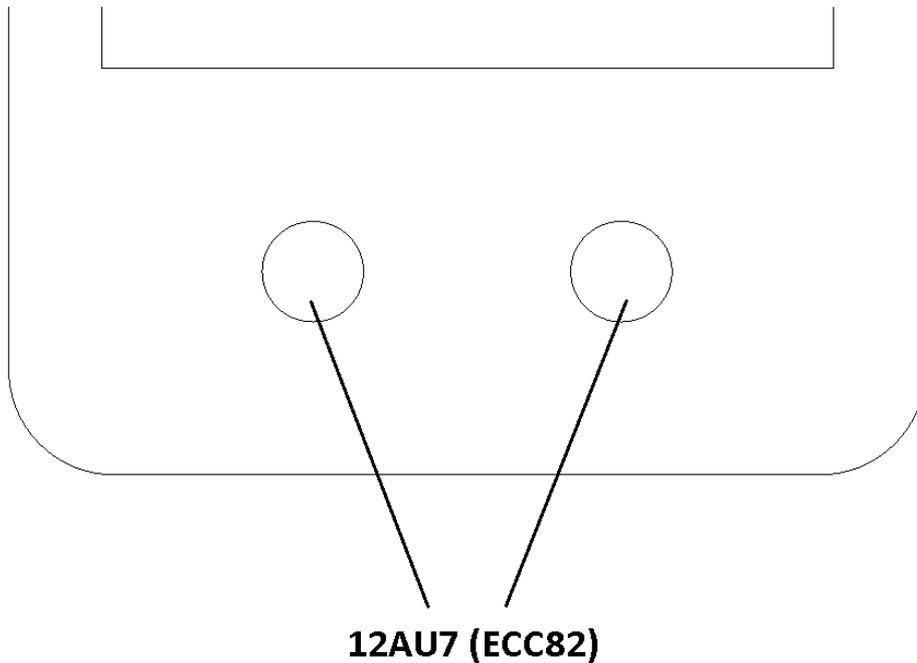
The unit may become very hot during operation. You should always place the unit on feet and leave at least 2 inches (5 cm) clearance above both units to allow sufficient ventilation.

Feet can affect the sound quality significantly. Feet should be placed directly under the aluminum base plate, not in contact with the MDF/leather plate. There are three areas where the aluminum base plate is exposed through openings in the bottom MDF/leather plate. These areas are where the feet should be placed. You can use either three or four feet. Adjusting their position will also affect the sound to varying degrees, depending on the type of rack, location or interaction with other equipment. For most situations the arrangement as shown in the diagram below is a good starting point.

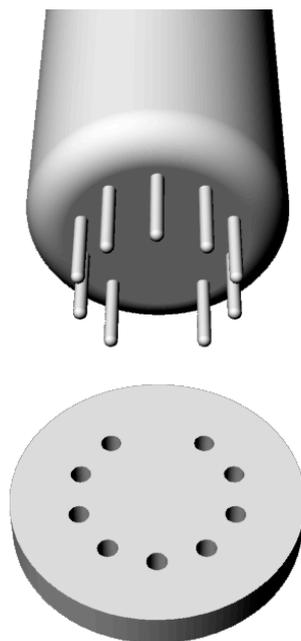


## 4. Installing the Tubes

There are two 12AU7 (ECC82) tubes in the input stage. Do not remove the tube while the unit is operating.



12AU7 / ECC82 tubes have one missing pin acting as a correct positioning key. Align missing pin with the missing hole in the tube socket while inserting.



## 5. Connecting the Cables

### 5.1. Power cables

AC power input is via a standard IEC socket. Operating voltage must only be changed by an authorized service agent.

The quality of the power cable used will affect the sound quality.

### 5.2. Signal Cables

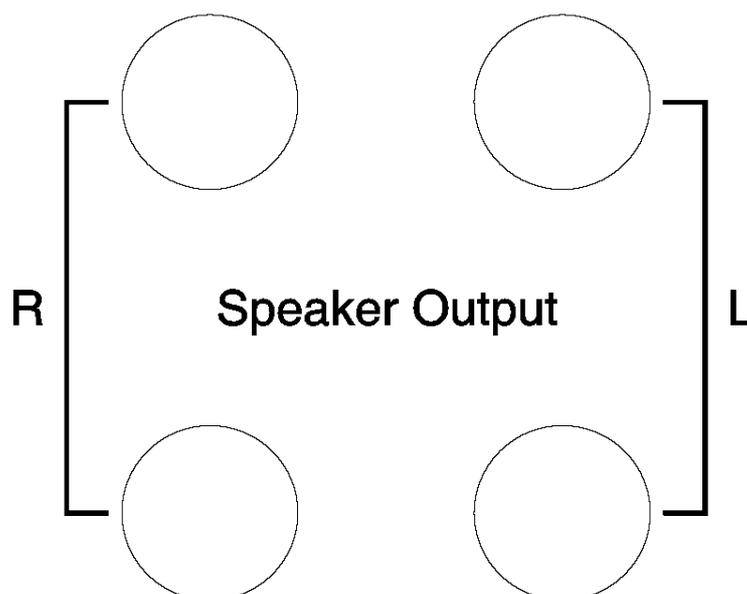
You can connect 4 unbalanced or 4 balanced source devices at the same time. The selector knob on the left hand side switches between the input channels. Input is single-ended RCA or transformer balanced XLR depending on the version.

### 5.3. Speaker Cables

Speaker binding posts can handle spade lugs, banana plugs or bare wire. Polyethylene knobs are chosen instead of metal ones to reduce extra conductor mass and eddy currents. Do not overtighten the binding posts. The higher friction of polyethylene will secure the speaker cables.

You can connect any speaker with 4 ohm impedance or above.

**CAUTION:** Negative (black) speaker terminals are not at ground level electrically. Do not connect them to chassis ground or each other in any way. This unit is not bridgeable.



## 6. Operating the Unit

### 6.1. General Operation

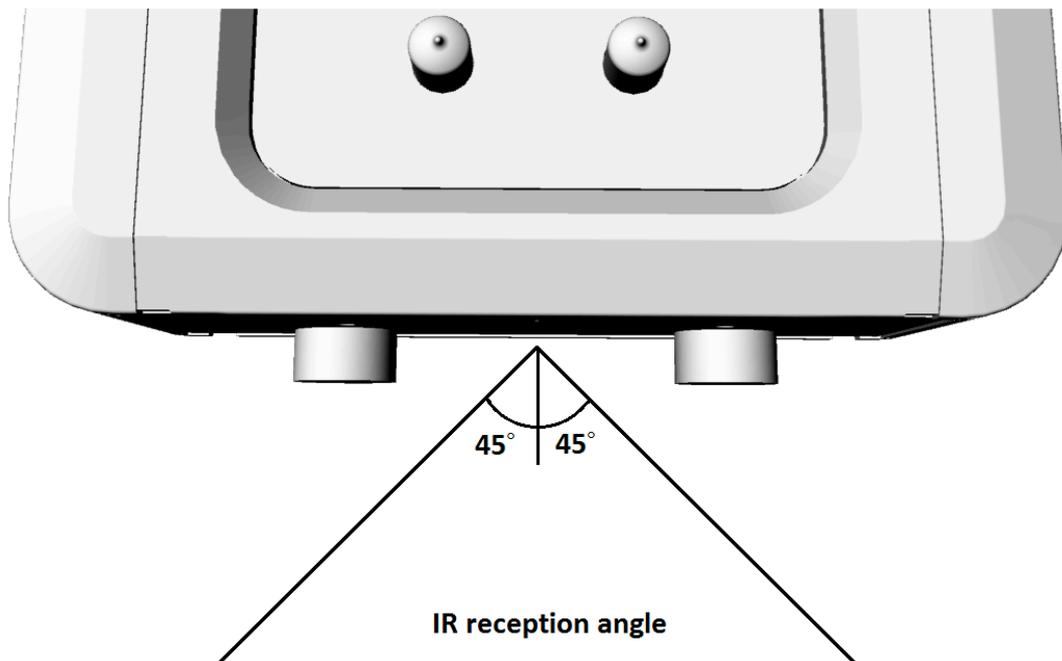
Before turning on the unit be sure that all tubes are installed correctly and all cables are connected correctly.

After turning on, the power indicator LED on the front plate will start to blink. Sound will only be audible after all capacitors inside are charged and internal voltages are stabilized (after that the indicator LED starts to illuminate continuously).

Absolare Integrated Amplifier will be ready to operate approx. 40 seconds after turning on the power, but attaining full performance may take 15 to 30 minutes.

### 6.2. Setting the Volume Level

Absolare Integrated Amplifier has a 64 step motorized attenuator with IR remote control. You can either set the volume level by turning the right hand knob or via the remote control. Operating angle of remote control unit is about 45°.



## 7. Troubleshooting and Maintenance

Surface of the unit is dirty.	- Clean with a slightly damp cloth.
No power light.	- Check AC line voltage. - Check the main fuse.
Remote control is not working.	- Check the angle, see section (6.2). - Check the batteries of the remote control unit.
Power light is on, tube heaters are glowing, but no sound.	- Check the input cables , speaker cables and source. - Check input selector. - Tube(s) are defective.
Noise / hum in the sound.	- Check grounding of power, input cables and source.

***If the problem is persistent, contact your nearest ABSOLARE dealer.***

## 8. Technical Specifications

Design :	Tube input, Solid State output, Hybrid Architecture
Attenuator :	48 step or 64 step, remote controlled
Tubes :	2x 12AU7 / ECC82 or 2x E80CC - Every unit comes with select NOS tubes
Bandwidth :	15 Hz - 30 KHz +/- 1.0 dB
Input :	4 RCA with Single-Ended / 4 XLR with Balanced Model
Input impedance :	100 Kohms
Input Sensitivity :	0.5 Volts (balanced version 2 Volts)
Gain :	37 dB
Output Power:	150 Watts minimum @ 8 ohms, 200 Watts minimum @ 4 ohms.
Speaker impedance :	4 - 8 Ohms
Dimensions :	38.2 x 67 X 20 cm (WxDxH), excl. feet
Weight :	30 Kg

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