

Radis

POWER AMPLIFIER

JA500

INTRODUCTION

At JADIS, we are really proud to release a new product only after lengthy periods of experimentation and trial.

Therefore, our new Jadis amplifier is the result of long months of technical research and countless hours of listening.

ENJOY YOUR JADIS AMPLIFIER.

We thank you for your trust in our product.

INSTALLATION INSTRUCTIONS

Optimum listening quality is obtained when the following recommendations have been observed step by step.

1- Each Jadis amplifier unit is packed with its own tested tubes. At the unpacking, be carefull not to mix up the valves and set them immediately on their correspondant unit.

2- Place your Jadis amplifier on a flat, solid surface.

Because your Jadis is an amplifier with tubes, provide an open space to enable a correct evacuation of the heat in a natural convection cooling. Do not fan cool your Jadis amp, an air current can create microcracks in the tubes.

WARNING

3- Avoid placing the unit directly on carpet or on flammable material. Avoid placing components on top of amplifier to insure adequate ventilation.

-Check that the mains voltage corresponds to the one of your Jadis amplifier.

4- The connection of your Jadis amplifier to any type of preamplifier is possible, except if the output impedance is abnormally high (superior to 500k).

- Always turn on your preamplifier before turning on the amplifier. Reverse the procedure on turn off your amplifier.

- Speaker cables must always be connected before turning on the amplifier.

Should you wish to change the speaker cables or interconnects, first turn OFF the amplifier and allow about 45 seconds for discharge.

- Always use the ON/OFF switch. Never unplug the mains cable to turn off your amplifier.

5- Allow 5 to 10 minutes betwen the "stand-by" and "operate" modes, when this possibility is offered.

- To insure long term reliability the ON/OFF power switches must be operated SWIFTLY.

- Do not move your amplifier when tubes are hot.

HOW TO TURN ON YOUR AMPLIFIER

In order to get the best performances from your Jadis amplifier, it is necessary to follow carefully the instructions below:

1- Check that the ON/OFF switches are set to OFF.

2- a- JA200, JA500 connect power supply and amplifier unit with special connector provided.

b- JA30, JA80, JA200, JA500 check that the OPERATE-STAND-BY switches are set to STAND-BY.

3-All models: connect the loudspeaker wires to the red and black terminals at the back of the amplifier.

4- Connect firmly the two interconnect cables from the preamplifier output to the amplifier input RCA connectors.

5- The power cord of your amplifier is detachable to facilitate safer and easier moving of the block. Always use the power cord supplied or one of equivalent electrical rating.

6- Insert the cord firmly into its receptacle before plugging the other end to the wall.

7- For JA30, JA80, JA200, JA500 models, wait at least 5 minutes before switching from STAND-BY to OPERATE. The led goes from red (stand-by position) to green (operate position).

Your Jadis amplifier is ready to run. However, its optimum sound quality will be reached only when the amplifier reaches its ideal temperature (after about 1 hour of operation).

HOW TO MATCH YOUR AMPLIFIER TO YOUR LOUDSPEAKERS

The load impedance is preadjusted in our factory for loudspeakers from 4 to 8 Ohms.

The technical characteristics of the Jadis amplifiers allows an impedance adaptation from 1 to 16 Ohms.

Impedance modifications are easily accomplished on the terminal blocks.

Consult the chart at the end of notice.

NOTA: for electrostatic loudspeakers it is often better to adapt your Jadis amplifier impedance to 16 Ohms.

MAINTENANCE

To clean your amplifier, use a soft cloth with a non abrasive cleaning product.

Do not forget to unplug the amplifier before cleaning.

PROTECTION SYSTEM

If an amplifier channel fails to operate,

1- Turn OFF the unit immediately.

2- Unplug all the cables.

3- Do not forget the mains cord.

4- Check the fuses. They are located near by the tubes. If one of them blows up, contact your Jadis dealer for a replacement.

5- It is imperative to change the tube corresponding to the burnt fuse.

6- On JA80, JA200, JA500, a lightened red led indicates directly the faulty tube that has burnt its protection fuse.

This system has been designed to avoid damages of the cabling when one tube is faulty.

MOUNTING OF THE TUBES

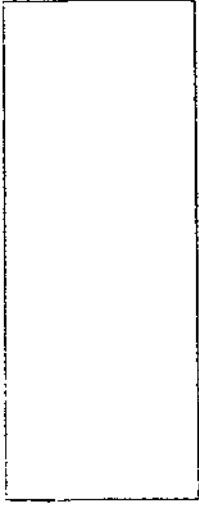
First of all, remove the grid which protects the tube sockets.

Mount the ECC82 tubes, then the ECC83 tubes. Do not force them, this may damage the sockets.

Then mount power tubes on their sockets. Be carefull, as these tubes have stop pins on the central parts of the mounting base. Replace the grid and never remove it when the amplifier is connected to the mains voltage, running or not running.

Correct positioning of the tubes is shown on a sheet accompanying specifications and coupling possibilities at the end of this booklet.

TUBES POSITION POWER SUPPLY



6

5

8

7

TUBES POSITION MODULE

DA

2

3

4

5

6

CA

2

3

4

5

6

4

2

3

1

TUBES POSITION MODULE

A1

2

3

4

5

6

3

2

4

1

B1

2

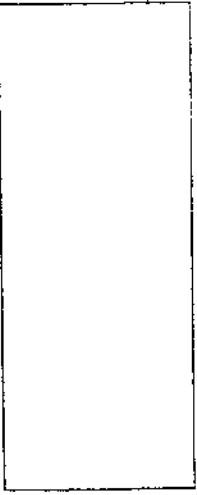
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TUBES POSITION POWER SUPPLY



5

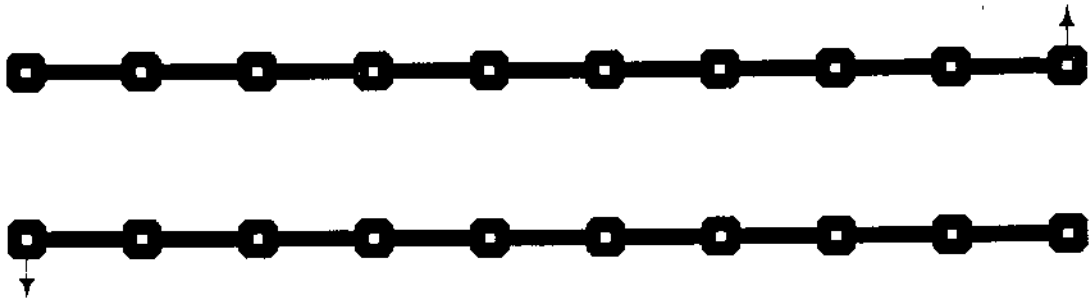
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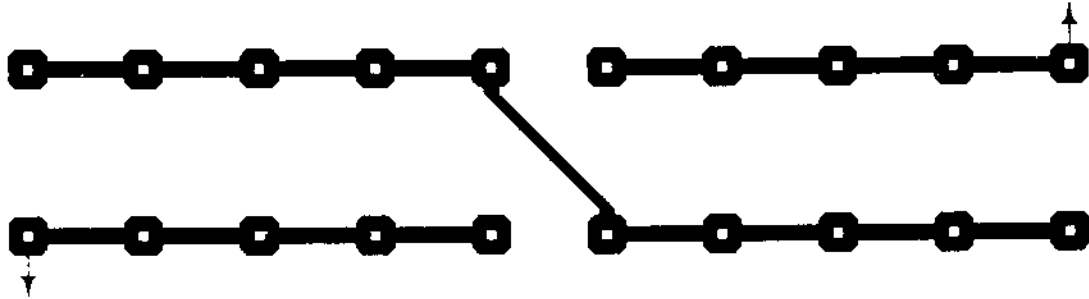
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JADIS JASOO

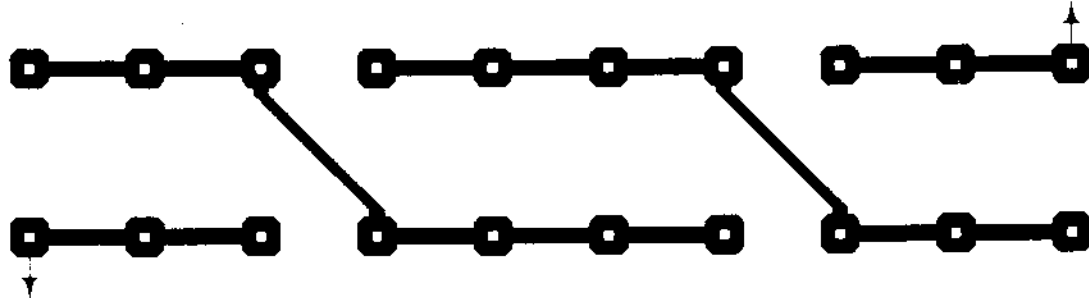
1 OHMS



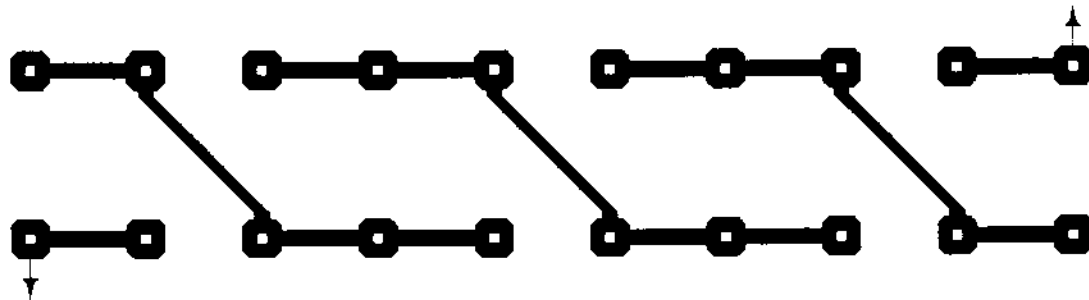
4 OHMS



8 OHMS



16 OHMS



JA500 SPECIFICATIONS

Load impedance : 1 to 16 ohms

Output power at 1kHz for 0.6 % THD : 2 X 400 W

Bandwidth at 100 W at 0 dB : 20 Hz to 20 kHz

Bandwidth at 160 W at - 3 dB : 15 Hz to 20 kHz

Bandwidth at 1 W at 0 dB : 5 Hz to 60 kHz

Distortion at 100 W at 100 Hz : 0.6 %

Distortion at 100 W at 1 kHz : 0.15 %

Distortion at 100 W at 10 kHz : 0.6 %

Input sensitivity for rated output : 775 mV

Input impedance : > 100 k

Consumption : MAXI 1000 W per channel

SUBJECT OT BE MODIFIED