

Jasmine Concerto KT88-PP
Tube Integrated Amplifier

Jasmine

Owner's Manual

J
a
s
m
i
n
e

T
u
b
e

A
m
p
s

Safety Precautions _____



To get the best performance from your Jasmine KT88-PP Tube Integrated Amplifier, and for your own safety, please read and follow these important safety instructions:

Never place the Jasmine KT88-PP Tube Integrated Amplifier near heat sources such as radiators, fireplaces, stoves, or other appliances that produce heat. Avoid placing the Jasmine KT88-PP Tube Integrated Amplifier where it will be subject to direct sunlight or low temperatures.

- The Tubes will be running with very high temperature, never touch the tubes when the amplifier is running. Please keep the tube cover fixed when you use it.
- AC extension cords are not recommended for use with this product. If an extension cord must be used, be sure it is an approved type and has sufficient current carrying capacity for this product.
- Before cleaning the Jasmine KT88-PP Tube Integrated Amplifier, always disconnect the power supply cord. Use a soft cloth and, if necessary, dampen with clean water or mild cleaning agent. Never apply water, or any other cleaner, directly to the chassis.
- If you smell smoke or an abnormal smell, immediately unplug the Jasmine KT88-PP Tube Integrated Amplifier from the power supply and contact your Jasmine dealer.
- Never attempt to service the Jasmine KT88-PP Tube Integrated Amplifier beyond what is described in this Owner's Manual. Qualified service personnel should perform all repairs.
- Unplug unit if it becomes wet.
- Do not open unit when attached to AC outlet; dangerous voltages may be encountered.
- Replace fuse only with the exact type originally included.
- Don't upgrade the tubes by yourself whatsoever, or the warranty is immediately voided. Incorrect upgrading will degrade the sound quality or burn down the amplifier. If you like to upgrade the tubes, please contact the Jasmine dealer.

Contents _____

Safety Precautions	2
Introduction	4
A Brief of Jasmine	
The Design Philosophy of jasmine	
Installation	5
Unpacking	
The Accessory Kit	
Installing Tubes	
Choosing a Location for the Jasmine Amplifier	
Connections	7
Connecting to AC Power	
Connecting to the Signal Source	
Connecting to the Speakers	
Operation	9
Before Power on the Amplifier	
Choosing your Signal Source	
Adjusting the brightness of the tube cover	
Power On & Off Sequence	
How to adjust the bias-voltage	10
Why need to upgrade or exchange the tubes ?	
The Exchangeable Tube Type	
Step One: Exchanging the Tubes	
Step Two: Power on the Amplifier	
Step Three: Adjusting Bias-Voltage of the Tubes	
Warranty	13
Specifications	14

Introduction

All of us at Jasmine would like to offer thanks and congratulations to you for purchasing the Jasmine KT88-PP Tube Integrated Amplifier. We sincerely believe that your Jasmine KT88-PP Tube Integrated Amplifier is an intelligent purchase decision that will bring you many years of musical pleasure and satisfaction. While every new owner is anxious to begin listening, we encourage you to take a few minutes to read this manual and familiarize yourself with the full capabilities of the Jasmine KT88-PP Tube Integrated Amplifier.



To reduce the risk of injury or damage to your Jasmine KT88-PP Tube Integrated Amplifier, please read the safety instructions on the first page of this manual. In addition, please pay particular attention to the sections of this manual where the symbol at left is shown.

A Brief History of Jasmine

Jasmine Audio was established by a group of professional audiophile with the pure passion for the perfection of sound in 2001. The result of this passion is products with marvellous and smooth dynamic sound combined with innovative design. No detail on a Jasmine product is left unattended, and experienced and qualified engineers handpick all components. Owning a Jasmine product should be seen as being part of a very special “club”, created by enthusiasts for enthusiasts.

The Design Philosophy of Jasmine

Pure, Simple, Nature !

Installation

This section includes information on how to unpack and position your Jasmine KT88-PP Tube Integrated Amplifier.

Unpacking



After carefully unpacking your Jasmine KT88-PP Tube Integrated Amplifier, inspect for any shipping damage and call your dealer immediately if any is found. Do not plug your Jasmine KT88-PP Tube Integrated Amplifier into any outlet if you find shipping damage.

Please save all packing materials so the unit can be easily and safely shipped if the need arises.

The Accessory Kit

Included in the carton, you will find an accessory kit that contains the following:

- Four KT88 tubes
- Four 12AU7 tubes
- AC power cord
- One pair of gloves

Installing Tubes



Each tube is labeled, such as V1, V2, ... etc. The same label also appeared on the top side of the amp.

First of all, place the amp on a solid place, then remove the tube cover by the screw driver. Unpacking the tubes, and plug in the according slots.

The tubes are tested and strictly matched before packing in the factory. To be sure you have plug the tubes in the right place before powering on the amp. Otherwise, will reduce the sound quality.

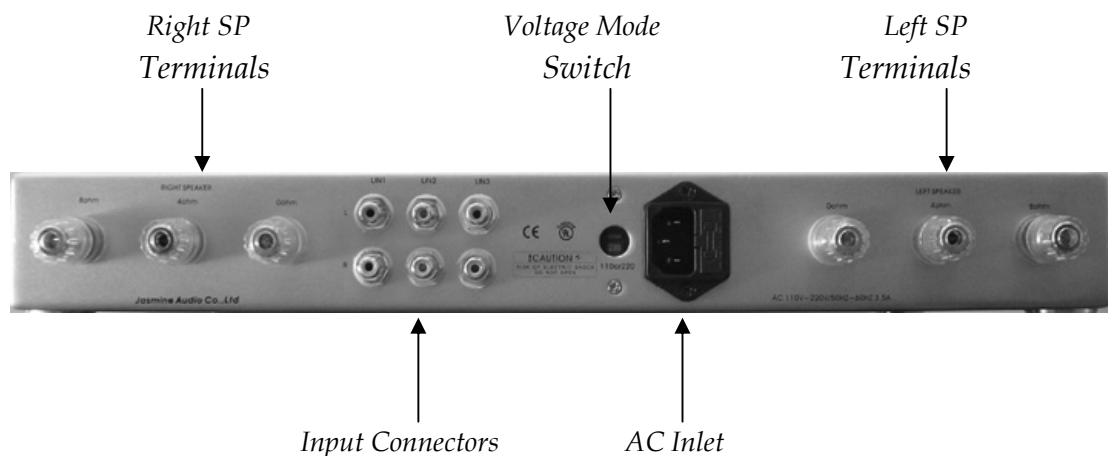
After all tubes are installed, Please re-fixed the tube cover.

Choosing a Location for the Jasmine Amplifier

The sound quality of all high-performance digital and analog components can be degraded by vibration. Although the Jasmine KT88-PP Tube Amplifier uses some of the most advanced noise-reduction circuitry available, it too will benefit from any efforts taken to reduce vibration. For best performance, place the Jasmine KT88-PP Tube Amplifier on a solid, non-resonant shelf.

Connections

This section provides instructions to connect the Jasmine KT88-PP Tube Amplifier to the rest of your music system. Below is an illustration of the Jasmine KT88-PP Tube Amplifier rear panel, showing all inputs and outputs.



Avoid allowing static shocks to be applied to the inputs or outputs. To prevent static shocks, touch any grounded surface, such as the chassis of a component that is plugged into an AC socket, before connecting or removing a cable.

Inputs and outputs can be safely connected to the Jasmine KT88-PP Tube Amplifier when the AC power is switched off.

Connecting to AC Power

Check to make sure your Jasmine KT88-PP Tube Amplifier has been set for operation at your AC line voltage. Attempting to use your Jasmine KT88-PP Tube Amplifier at any voltage other than that specified on the rear of the unit may cause damage that is not covered by Jasmine's warranty.

Jasmine AC Power Mode:

The 230V mode is suitable for using in 220 ~ 240V voltage environment.

The 115V mode is suitable for using in 110 ~ 120V voltage environment.

Break-in and warm-up

Careful listeners will notice that the sound of the Jasmine KT88-PP Tube Amplifier improves steadily after the unit is powered-up. A new unit will undergo more dramatic changes when power is applied for the first time. Depending on the resolution of the system and the attentiveness of the listener, you may find that the sound continues to improve over the first several weeks of operation. If the power is disconnected for a period of an hour or more, the unit will undergo similar but less dramatic break-in.

Connecting to the Signal Sources



You can directly connect your CD player, Tuner to the Jasmine KT88-PP Tube Amplifier. But Turntable, You have to connect your turntable to the Jasmine KT88-PP Tube Amplifier by a phono stage , except your turntable embedded phono stage inside.

Connecting to the Speakers



The tube amplifier is sensitive to the output impedance. The Jasmine KT88-PP Tube Amplifier supply two sets of speaker terminals for using, 4 ohm and 8 ohm. Please refer to the impedance parameters of your speakers before connecting and choose the right terminals for connecting your speaker cable. If the impedance of your speaker is 6 ohm, please choosing 8 ohm terminals for connecting.

Operation

This section describes how to operate the Jasmine KT88-PP Tube Amplifier.

Before Power On the Amplifier



To make sure the volume switch is turned to the minimum position before you turn on the power switch !

Please power on your signal source devices before turn on your Jasmine KT88-PP Tube Amplifier.

Choosing your signal source

Through the Selector switch on the front panel, you can select the signal source that you like, such as CD Player, Tuner, or turntable, ... etc.

Adjusting the brightness of the tube cover

Through the Dimmer switch on the rear panel, you can adjust the brightness of the top acrylic cover.

Powering On & Off Sequence



The correct power-on and power-off sequence will lengthen the life of your HI-FI system.

Power On Sequence

- Signal Sources --> Integrated Amplifier.

Power Off Sequence

- Integrated Amplifier--> Signal Sources

How to adjust Bias-Voltage_____

After you exchange the power tubes (like 6550, KT88), you have to adjust the bias-voltage again.

The recommended Bias-Voltage is **0.50V** ! Never over **0.52V**, will cause the power tube burned down.

Why need to upgrade or exchange the tubes ?

The lifetime of vacuum tube depend on the quality and used hours each day. Usually, one set of tubes can be used for 3 ~ 5 years. After you used Jasmine KT88-PP for several years and find the sound quality degraded markedly. It's time for exchanging the tubes.

Some times, Audiophile like to change the different brand of tube to obtain different sound.

The Exchangeable Tube Type

KT88 = 6550

12AU7 = ECC82=E82CC



The tubes are must pairs matched at least. The best is four tubes matched each other.

Step One: Exchanging the Tubes

1. Power off your Jasmine KT88-PP Tube Integrated Amplifier
2. Waiting for the tubes cooling down to the safety temperature, pull off the tubes
3. Plug in the new tubes, V1 and V2 is one pair, V3 and V4 is another pair. For the preamp tubes, V5 and V6 is one pair, V7 and V8 is another pair.
4. **If you only exchanged preamp tubes (V5 ~ V8), the exchanging operation is finished. No necessary to execute following steps !**

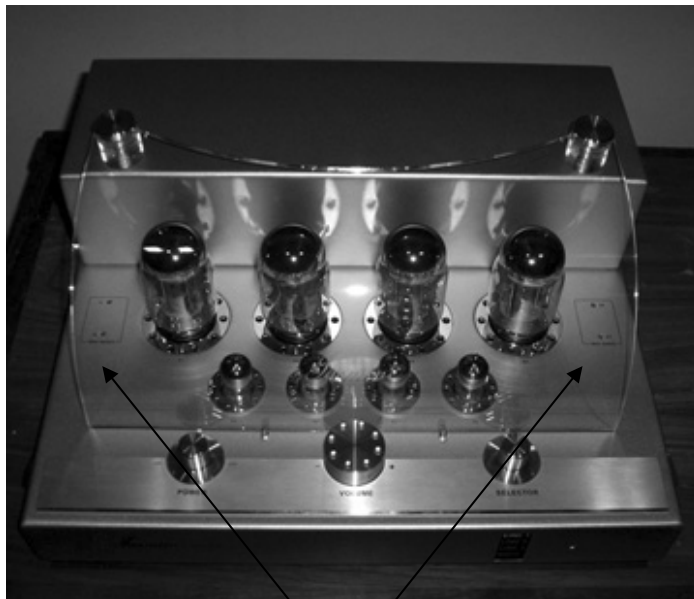
Step Two: Power on the amplifier



1. Before power on the Jasmine KT88-PP, be sure the speaker cables are connected!
2. Carefully turn on the power switch, waiting for 5 minutes till the tubes warmed up.
3. Using a multi-meter, setting to direct voltage 20V model



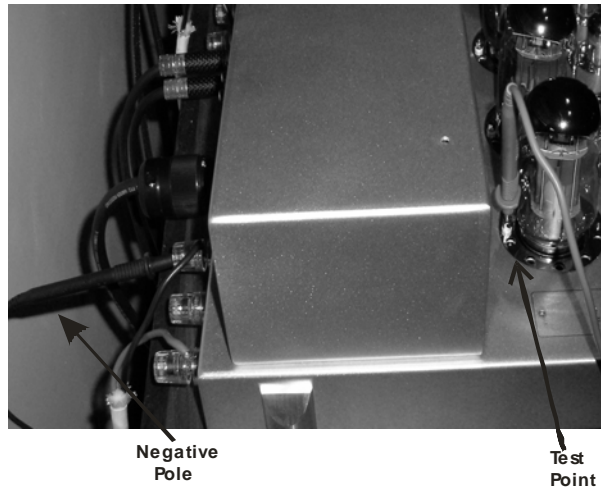
4. Finding out the adjusting switches



Here is it !

Step Three: Adjusting Bias-Voltage of the Tubes

1. Connecting the negative pole of the multi-meter to the zero ohm speaker terminal, and find out the test point behind each KT88 tube.



2. Using a small screw-driver to slowly adjust the adjust switch, till the test voltage reach the **0.45V**



Repeating the steps above for each power tube. Please keep in mind for that the bias voltage of each tube is best at same level.

Congratulation! You just updated your Jasmine Piano KT88-PP Tube Amplifier!

Warranty

Jasmine warrants that Jasmine products shall be free from defects in materials and workmanship for:

One year for parts and labor, except tubes

The warranty period begins at the date of retail sale by an authorized Jasmine dealer and is subject to the following requirements and understandings:

1. This is a non-transferable warranty applicable to the original purchaser exclusively.
2. The product must not have been modified in any manner whatsoever, or the warranty is immediately voided.
3. The product must not have been stored in humid environment; nor subjected to weather, water, or salt spray.
4. During the warranty period Jasmine will repair the product to working order, or, at Jasmine's option, replace the defective equipment with a similar available product, at no cost to the owner for the labor, materials, and return shipping from Jasmine.
5. Jasmine shall not, under any circumstances, be liable for any incidental or consequential damages arising from the loss of property or other damage or losses due to the failure of a Jasmine product. Jasmine will not pay for loss of use or inconvenience caused by the failure of a Jasmine product. Jasmine will not pay for damage caused to other audio components because of the failure of a Jasmine product within the limits allowed by State Law.
6. All repairs performed after the warranty period has expired will be billed to the owner and will carry a 90 day warranty on parts and labor.
7. The customer is responsible for shipping the unit to Jasmine.
8. Jasmine product is only warranted in the country of original sale.

Specifications

Output power:	50W x 2
Tubes used:	4 x KT88 , 4 x 12AU7
Input Impedance:	100K ohm
Output Impedance:	4 , 8 ohm
Input ports:	3 sets of RCA
S/N:	> 90dB
Freq. Response:	6Hz ~ 45KHz (+/-1.5dB)
THD:	< 1%
Voltage Model:	110 ~120V / 50~60Hz or 220 ~ 240V/ 50~60Hz
Net Weight:	23Kg
Size:	430(W) x 410(D) x 200(H) mm
Power Consumption:	200W (static status)

@ 2006 Jasmine audio
Block B1-5C, Digital Tech. Park,
Southern Keji Rd.,
Shenzhen, GD,
China 518057

Subject to change without notice.