



D3
Tonmeister

STEREO POWER
AMPLIFIER

OWNER'S INFORMATION



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! IMPORTANT SAFETY INFORMATION !



RISK OF SHOCK OR ELECTROCUTION! INTERNAL OPERATING VOLTAGES ARE LETHAL!

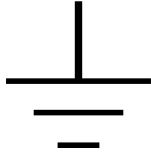
Do not remove top cover, unless specifically instructed to do so in the user manual.

This unit contains fuses and other safety components in accordance with BS60065 requirements.

In the event of failure, replacement fuse or safety component must be of the same part type and value.

SUCH REPLACEMENT MUST ONLY BE CARRIED OUT BY A QUALIFIED SERVICE TECHNICIAN.

Do not attempt to replace any fuses without first disconnecting the unit from the mains electricity supply.



This product must be earthed – ensure that the mains supply cable earth / ground is correctly connected.



This product generates high levels of heat. Adequate ventilation must be provided. Do not restrict airflow through any ventilation slots or place the unit on any surface that may restrict airflow.

Valve equipment operates at extremely high temperatures;
KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.



Do not store or operate this unit in areas of high humidity or in close proximity to water / moisture.

Do not expose or immerse the unit in liquid of any kind.

OTHER SAFETY PRECAUTIONS: -

Never touch the power cord with wet hands.

Always remove the power cord by grasping the plug, not the cable.

Never expose the unit to excessive heat or magnetism.

Never let an inexperienced person repair or reassemble the unit.

Never put anything, especially metal objects, inside the unit.

Never place excessive weight on the unit.

CE DECLARATION OF CONFORMITY



We declare under our sole responsibility that this product is in conformity with the following standards or standardized documents:

BS EN 60065 in accordance with the regulations 73/23/EEC, 89/336/EEC (from 1 January 1997)

CE 94

Peter Qvortrup,
Director
Audio Note (UK) Limited
Viscount House
Star Road, Star Trading Estate
Partridge Green
West Sussex
RH13 8RA
United Kingdom

Tel: +44 (0)1273 830 800

Fax: +44 (0)1273 731 498



DISPOSAL

This product must not be disposed of as normal household waste. To prevent possible harm to the environment please separate the product from other waste to ensure that it can be recycled in an environmentally safe manner. Please contact your retailer or the appropriate local government office for collection facilities.

POWER REQUIREMENTS

Power requirements for electrical equipment vary depending on your geographical location. Please ensure that your unit meets the power requirements in your area. The power requirement for your unit is marked on the serial number plate, located on the rear panel.

If you are in doubt, please contact your dealer before connecting the unit to the mains supply.

INTRODUCTION

Thank you for purchasing this Audio Note (UK) product. With the correct care it should give you many years of pleasure and enjoyment.

Please take the time to read all of the information in this manual before connecting your new component to an electrical supply or your system, to ensure both your safety and satisfaction.

Please note that due to our desire to continually improve products, specifications are subject to change without notice. Therefore it is important to refer to the manual that is supplied with your product for the most accurate information; manuals downloaded from our website or obtained from other sources may no longer fully apply to your product.

If you have any questions regarding the information contained within this document or your new component, please feel free to contact us: -

Audio Note (UK) Limited
Viscount House
Star Road, Star Trading Estate
Partridge Green
West Sussex
RH13 8RA
United Kingdom

Tel: +44 (0)1273 830 800
Fax: +44 (0)1273 731 498
e-mail: info@audionote.co.uk



P3 TONMEISTER

Congratulations on your purchase of the Audio Note (UK) P3 Tonmeister Stereo Power Amplifier.

It is a Pure Class A Singled Ended valve amplifier that uses the highly regarded 300B directly heated triode valve, producing a level of performance that is radically superior to the vast majority of current designs.

It has been specifically engineered for sonic performance rather than technical specification, and fulfills all Audio Note (UK) Level 3 criteria: -

- Pure Class A operation
- Zero Negative Feedback
- Single Ended Output Stage
- Valve Rectification
- Directly Heated Triode operation
- Materials and component quality

The P3 Tonmeister is the latest version of our classic P3 300B Single Ended Triode stereo power amplifier. The circuit has been completely redesigned and is now a beautiful example of elegant simplification, something that could only be realised thanks to our ability to create extremely closely matched transformers in-house, and having our own supply of custom resistors, in-house made foil capacitors and custom made electrolytic capacitors. These allow us to have extremely tight control over the performance and voicing of the complete amplifier from input to output, something that is simply beyond the possibilities of manufacturers who have to rely on 'off the shelf' components.

The result is an amplifier that maintains the legendary musicality, midrange magic and glorious tonal colour of the original P3, whilst bringing new and previously unheard levels of information retrieval and dynamic expression, redefining what is usually expected of a 300B SET amplifier.

The P3 Tonmeister includes the following components: -

- In house designed and manufactured I-E M4 copper / copper interstage and output transformers
- IE copper / copper PSU Choke and mains transformers
- Copper internal wiring
- Audio Note (UK) AN-C copper interconnect cable used for signal wiring
- Audio Note (UK) Copper signal capacitors
- Audio Note (UK) STD Electrolytic Capacitors everywhere
- Audio Note (UK) 0.5W and 1W Magnetic Tantalum Resistors
- Audio Note (UK) custom potentiometer volume control

UNPACKING AND INSTALLATION

Please take care when unpacking your P3 Tonmeister Stereo Power Amplifier. Choose a clean, clear location to unpack your unit. Be aware that the amplifier is very heavy; before attempting to unpack or lift the unit, check the weight and if necessary use more than one person so that it can be moved safely and easily.

We recommend that you retain and carefully store all of the original packing materials, in case transportation / shipping is required at a later date.

Select a suitable location for the unit. This should be a dry, dust free and level area, preferably shielded from direct sunlight and free from vibration. Also ensure that the location is stable and capable of carrying the weight of the unit.

A suitable mains power outlet must be close to the location; power cords must not be pulled or stretched tightly in an attempt to reach a wall socket. If the power cord will not easily reach the socket, choose a closer location!

Please ensure that adequate ventilation for the unit is provided, and that airflow through any ventilation slots in the unit is not restricted. We recommend a distance of at least 30cm free space is maintained above the unit. Please also remember that valve equipment operates at extremely high temperatures, so a position that is inaccessible to any children or animals is essential.

VALVE INSTALLATION

The amplifier is shipped without the 2 x 300B output valves and the 1 x 5U4GB PSU valve installed. It is necessary to install these valves before the amplifier can be connected to the mains supply and operated.

It is essential that the valves are installed correctly or ***serious damage that is not covered by the warranty will result. We recommend that your dealer perform this procedure for you if you are in any way unsure.***

FIRSTLY, ENSURE THAT THE AMPLIFIER IS **NOT CONNECTED TO A MAINS ELECTRICAL SUPPLY**, AND THAT THE POWER CORD IS **NOT CONNECTED TO THE AMPLIFIER**.

Using a No.2 pozidrive® screwdriver, remove the 6 x screws for the top and 7 x screws for each side of the top cover.

Now remove the 3 valves that are packed inside the amplifier. Also inspect the inside of the amplifier to check that nothing has become damaged during transit, including the remaining 2 smaller valves, located in valve sockets '3' and '4' (consult the drawing on the next page). Ensure that these valves are seated correctly in their valve bases.

For reference, these valves are as follows: -

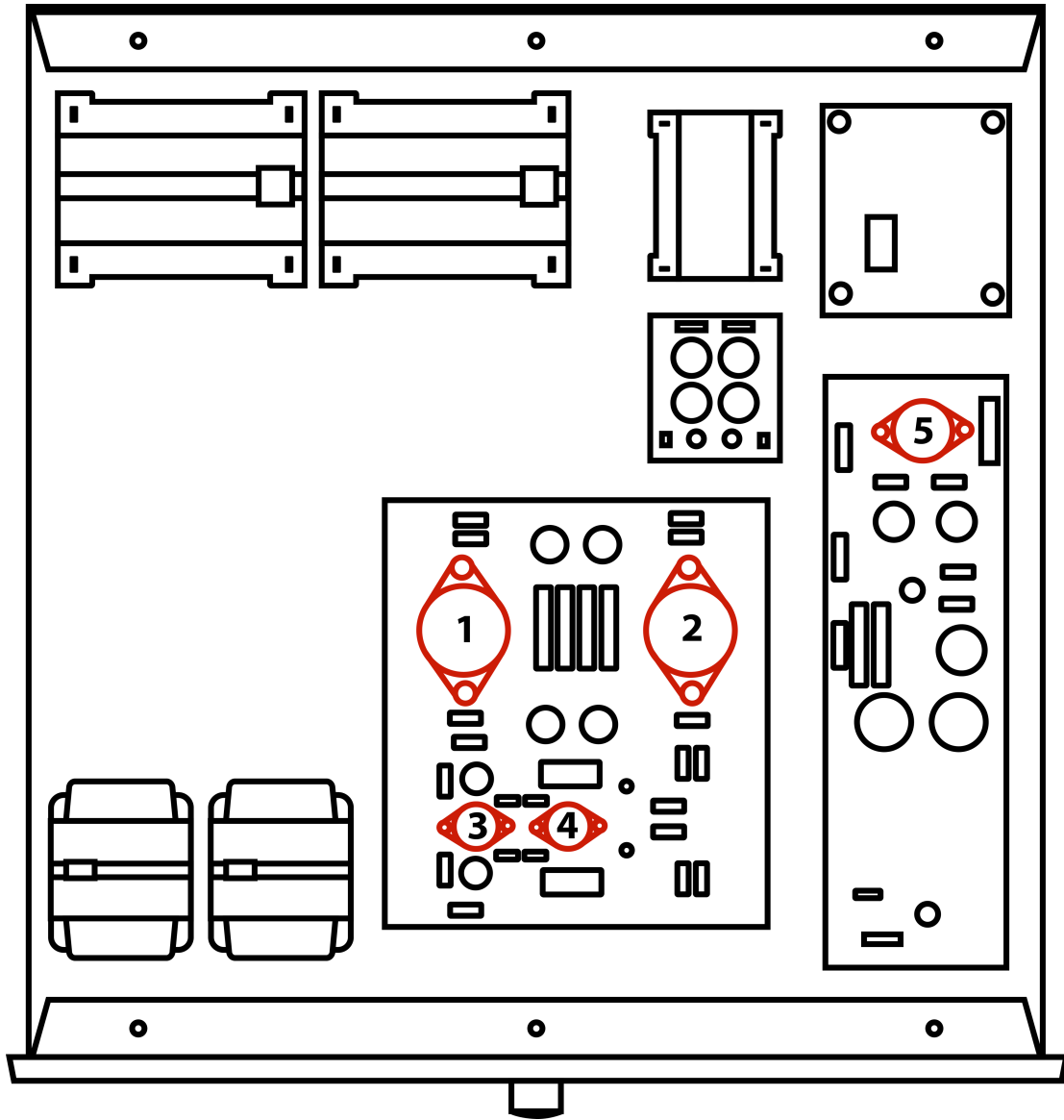
Socket 3; 5687
Socket 4; ECC82

Carefully unwrap the 3 large valves. You will find the following: -

2 x 300B valves
1 x 5U4GB valve.

Once again, please understand that it is absolutely vital these valves are fitted correctly.

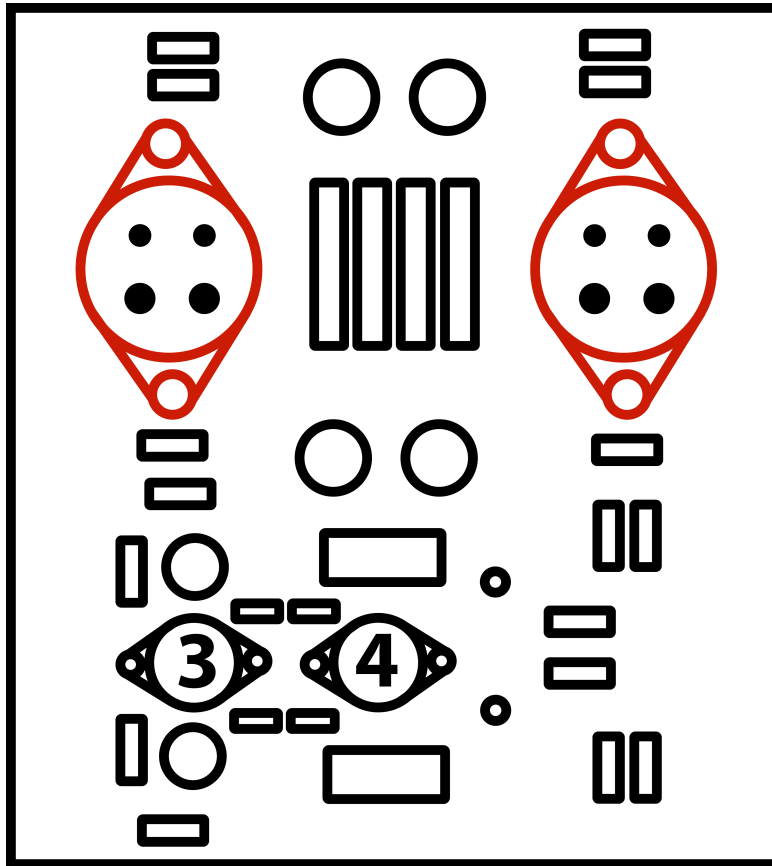
VALVE INSTALLATION Continued...



VALVE 1; 300B
VALVE 2; 300B
VALVE 3; 5687
VALVE 4; ECC82
VALVE 5; 5U4GB

VALVE INSTALLATION Continued...

Look at the drawing of the internals of the P3 Tonmeister on the previous page, and familiarize yourself with the positions of the various valves. First install the **300B** valves, which should be inserted into sockets '1' and '2', located at the rear of the main central circuit board, as in the illustration below: -



Inspect the bottom of a **300B** valve and the corresponding valve base on the circuit board. You will notice that two of the pins are of a larger diameter than the other two; this is to help ensure that the valve can easily be inserted correctly.

The larger pins must face towards the FRONT of the amplifier when each valve is inserted into the appropriate valve base.

With gentle but firm pressure insert the valve into its socket. Check again that both valves are fully inserted correctly.

Next, insert the **5U4GB** valve into socket '5', located at the rear of the PSU circuit board, on the right hand side of the amplifier. Locate the rib on the central pin of the valve and align with the valve base (it can only be inserted one way due to this locating rib) and with gentle but firm pressure insert the valve.

Check once again that all valves are correctly installed and then replace the top cover.

CONNECTION

Inputs Being a stereo power amplifier, the P3 Tonmeister is fitted with a single pair of RCA / Single Ended inputs. Looking from behind the amplifier, they are located at the lower right hand side of the rear panel. They are marked 'R' for the right channel input and 'L' for the left channel input. Connect the outputs from your preamplifier to these inputs.

Speakers Each channel is equipped with 3 colour coded binding posts for connection to your speakers.

Looking from the rear of the amplifier, the 6 binding posts (three per channel) are located at the centre of the rear panel.

Connect the amplifier's black speaker output binding posts marked as "0" to the black / negative terminal (also marked " - ") on the loudspeakers.

Connect the amplifier's red speaker output binding posts marked "8 Ohm" to the red / positive terminal (also marked " + ") on the loudspeakers. The other red output binding post is marked "4 Ohm" and may be used with 4 Ohm speakers. If you are uncertain whether your speaker system is specified as 4 or 8 Ohm, try the following test once all other connections are made and the amplifier is operational. Compare the sound quality using a familiar recording with the speakers connected to the 8 Ohm connections and then the 4 Ohm connections respectively. The combination that produces the best frequency balance and maximum dynamics should be used.

Mains The P3 Tonmeister is equipped with an IEC 320 mains inlet socket, located at the top / left hand side of the rear panel. Use the supplied mains cable to connect the unit to the local mains supply. The two fuses are located in the two fuse holders, located on the rear panel to the right of the main power switch.

Special Note – Make sure that all connections are tight and clean. For best results use good quality audio interconnects. Although it is perfectly acceptable to use cables manufactured by other companies, for best results and performance, we recommend our own Audio Note (UK) range of interconnects and loudspeaker cables. For further information, please consult your nearest Audio Note (UK) dealer, or alternatively please feel free to contact us directly.

OPERATION

Once all the connections are completed and checked, ensure that the volume control of your preamplifier / source is at the minimum setting.

Turn on all components in the signal chain BEFORE the P3 Tonmeister; it should always be the LAST component to be switched ON, and the FIRST to be switched OFF.

Turn on the amplifier by using the switch located on the rear top left of the back panels, just above mains inlet socket.

Volume Control The P3 Tonmeister is equipped with a stereo volume control, located on the front panel. This can be used to adjust the overall level of system gain, and allow for the preamplifier volume control to be used in its best performing region of travel, which is usually towards the middle of the control's rotation. Initially set the volume control to its mid position (12 o'clock) and test to see if this provides enough adjustment in combination with the preamplifier volume control. If more gain is required when the preamplifier volume control is set to its mid position, turn the P3 Tonmeister's volume control up.

Bedding in The new amplifier requires about 100 hours of initial use (called "bedding in") before the circuitry becomes stable and optimum performance is realized. As the amplifier "beds in" the sound will become increasingly smoother, detailed and open. Once the amplifier has "bedded in" a warm up time of approximately 30 to 45 minutes is required each time the amplifiers are switched on before optimum sonic performance is reached.

Cleaning No special maintenance is required for the amplifier. Use a soft, clean lint free cloth to remove any surface marks from the casework. For finger marks / grease, use a soft, clean lint free cloth, lightly moistened with a solution of warm water and mild detergent. Do not use any alcohol or solvent based cleaning products, as they may damage the finish of the amplifiers.

ENSURE THAT THE AMPLIFIER IS SWITCHED OFF AND DISCONNECTED FROM THE MAINS ELECTRICITY SUPPLY BEFORE UNDERTAKING ANY CLEANING.

Valve Life The valves supplied with your amplifier should provide approximately 6000 hours of operation. They are specially selected by us, and should only be replaced with matched pairs. Please consult your Audio Note (UK) dealer should your valves need replacing.

TECHNICAL SPECIFICATIONS

INPUT IMPEDANCE	100k ohm, line level
INPUT SENSITIVITY	240mV for full output
MAXIMUM OUTPUT	8 watts RMS per channel into 4 or 8 Ohm loads
CHANNEL BALANCE	+/- 0.3dB
VALVE COMPLEMENT	1 x 5U4G 2 x 300B 1 x 5687 1 x ECC82
UNIT WEIGHT	32KG
SHIPPING WEIGHT (ORIGINAL PACKAGING)	37KG
UNIT DIMENSIONS	220mm (h) x 460mm (w) x 530mm (d)
SHIPPING DIMENSIONS (ORIGINAL PACKAGING)	410mm (h) x 660mm (w) x 680mm (d)
MAINS INPUT	AC 100-120V/220-240V 50/60 Hz
MAINS FUSE	2A Anti Surge (110/120V Supply) 1.6A Anti Surge (200/240V Supply)
INTERNAL HT FUSE	400mA (110v-240v Supply))
MAX. POWER CONSUMPTION	200 Watts
NOTE	Due to Audio Note (UK)'s ongoing research and development program, specifications are subject to change without notice.

WARRANTY INFORMATION

Audio Note (UK) warrants this product to be free from defects in materials and workmanship for two years from the original date of purchase from an appointed Audio Note (UK) dealer, and agrees to cover the cost of parts and associated labour required to correct such defects, subject to terms & conditions.

This Warranty is offered to the first purchaser only.

Any valves supplied with the unit are warranted for three months from the original date of purchase.

If the product fails in normal domestic use and during the Warranty period due to the above described faults or defects, Audio Note (UK) will, at its discretion, repair or replace the item free of charge within a reasonable time once it has been returned to Audio Note (UK) or an appointed Audio Note (UK) dealer or service engineer.

Audio Note (UK) is not liable for any shipping charges incurred whilst transporting the product to or from Audio Note (UK) or an appointed Audio Note (UK) dealer or service engineer, should the item require service or repair during or after the Warranty period.

If the product must be shipped, please use the original packaging materials and include a copy of the original sales receipt along with a note explaining, in as much detail as possible, the problems you are experiencing with the unit.

Only use a reputable Courier Service or Shipping Agent, and ensure that your product is insured during transit.

Any servicing, repairs or modifications not authorized by Audio Note (UK), or carried out by persons other than appointed Audio Note (UK) service engineers will invalidate any warranty.

This Warranty does NOT cover: -

Damage sustained whilst in the possession of a shipping agent, retailer or consumer and not caused as a direct result of defects in materials or workmanship.

Damage caused by normal wear and tear.

Damage or defects caused by abnormal or unreasonable use.

Damage caused by accident, acts of nature, misuse or neglect.

Damage caused by a failure to follow the operating and installation instructions supplied with the product.

Damage caused by improper or careless cleaning.

Audio Note (UK) reserves the right to refuse warranty for any component of which the serial number has been removed, defaced or tampered with.

CONTACT INFORMATION


If in the future your Audio Note (UK) product requires servicing, or if you require technical support or have any questions regarding this or any of our other products, please contact your local Audio Note (UK) dealer.

Alternatively, please feel free to contact us directly: -

Audio Note (UK) Limited
Viscount House
Star Road, Star Trading Estate
Partridge Green
West Sussex
RH13 8RA
United Kingdom

Tel: +44 (0)1273 830 800
Fax: +44 (0)1273 731 498
e-mail: info@audionote.co.uk

www.audionote.co.uk

 Audio Note (UK) Ltd

