Audio Note

Meishu
Phono
Kapellmeister

INTEGRATED AMPLIFIER

OWNER'S INFORMATION

Audio Note

CONTENTS

1) IMPORTANT SAFETY INFORMATION

2) CE DECLARATION OF CONFORMITY
DISPOSAL
POWER REQUIREMENTS

3) INTRODUCTION

4) OVERVIEW

5) UNPACKING AND INSTALLATION

6) VALVE INSTALLATION

9) CONNECTION

11) OPERATION

13) TECHNICAL SPECIFICATIONS

14) WARRANTY INFORMATION

15) CONTACT INFORMATION

! IMPORTANT SAFETY INFORMATION !



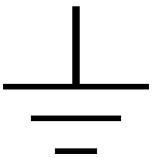
RISK OF SHOCK OR ELECTROCUTION! INTERNAL OPERATING VOLTAGES ARE LETHAL!

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

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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: -

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Audio Note

MEISHU PHONO KAPELLMEISTER

Congratulations on your purchase of the Audio Note (UK) Meishu Phono Kapellmeister Integrated Amplifier.

It is the ultimate version of our award winning Meishu Tonmeister 300B Single Ended Triode integrated amplifier, taking the design to full Level 5 performance and component quality.

The Meishu Phono Kapellmeister 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.

The circuit is 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 signal path, 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 Meishu Tonmeister, whilst bringing new and previously unheard levels of information retrieval and dynamic expression.

This is the current ‘state of the art’ when it comes to 300B SET integrated amplifiers!

The Phono version of the Meishu Kapellmeister includes the following components: -

In house designed and manufactured, fully silver wired Double C Core Perma 50% nickel interstage and output transformers.
In house designed and manufactured, copper wired Double C Core UHiB mains transformer, Double C Core IHiB filament transformer, and Double C Core UHiB choke.

Silver internal signal wiring throughout.
Audio Note (UK) Silver signal capacitors
Audio Note (UK) STD, Kaisei and Blackgate Electrolytic Capacitors
Audio Note (UK) 1W and 2W Non-Magnetic Tantalum, Non-Magnetic Silver Tantalum, Non-Magnetic Niobium and Non-magnetic Silver Niobium Resistors
Audio Note (UK) custom resistor based mono stepped attenuators using Non-Magnetic Tantalum resistors.

Point-to-point silver hand-wired circuit, using Permali and Tufnol board materials.

UNPACKING AND INSTALLATION

Please take care when unpacking your Meishu Phono Kapellmeister Integrated 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 5U4G 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), and also the 3 valves located on the phonostage board in sockets '6', '7' and '8'.

(The phonostage board is located under a metal cover, on the left-hand side of the unit. Remove the four screws located in each corner of the top of the cover to gain access to the phonostage board).

For reference, these valves are as follows: -

Socket 3; 6463
Socket 4; CV4068
Socket 6; 5670
Socket 7; 5670
Socket 8: 5670

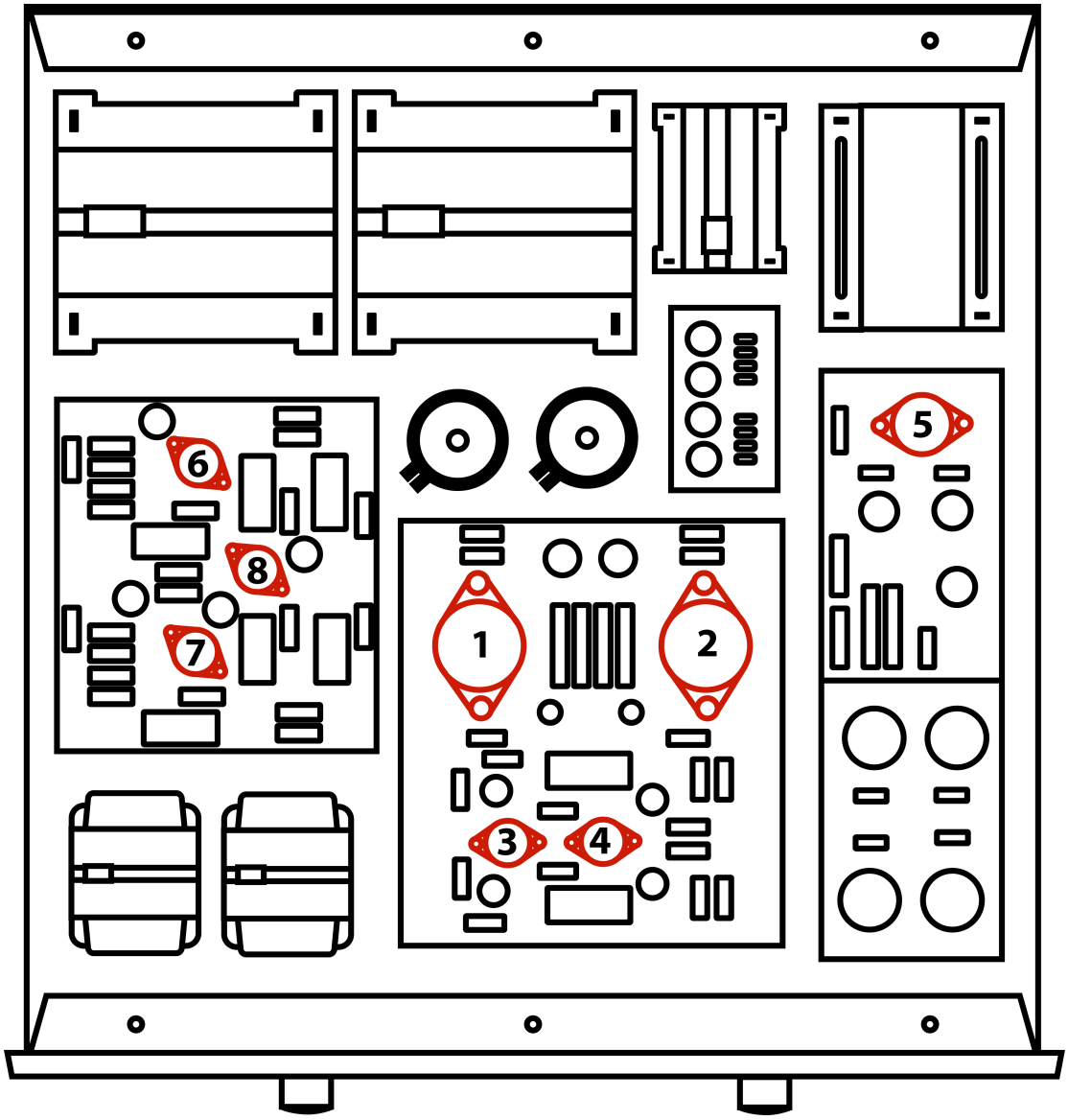
Ensure that these valves are seated correctly in their valve bases, and replace the phonostage board cover.

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

2 x 300B valves
1 x 5U4 valve.

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

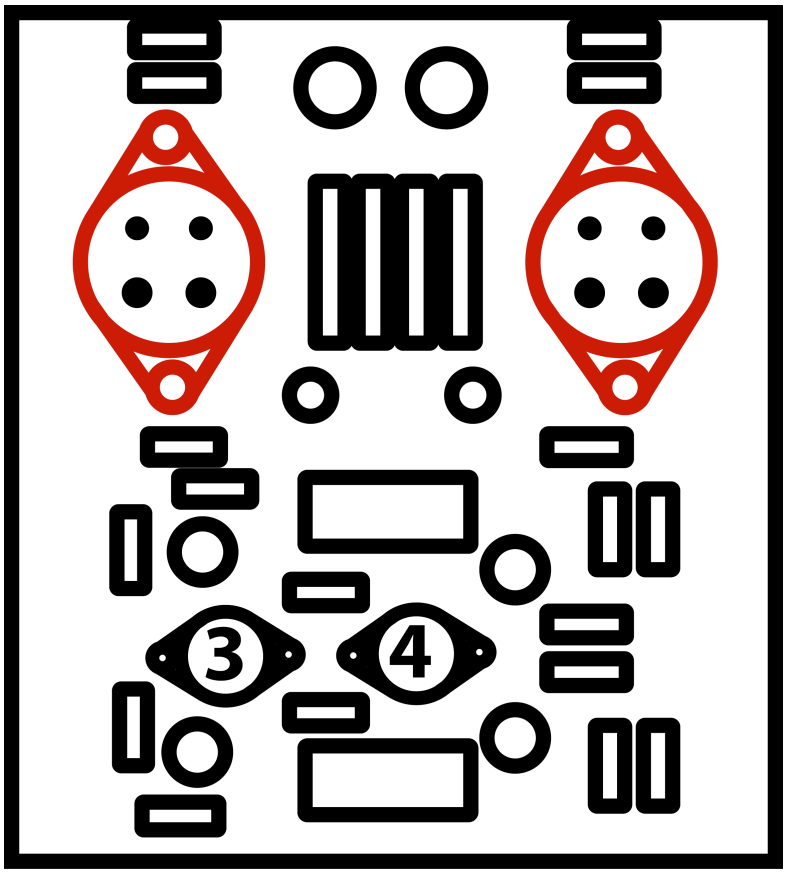
VALVE INSTALLATION Continued…



VALVE 1; 300B
VALVE 2; 300B
VALVE 3; 6463
VALVE 4; CV4068
VALVE 5; 5U4G
VALVE 6; 5670
VALVE 7; 5670
VALVE 8; 5670

VALVE INSTALLATION Continued…

Look at the drawing of the internals of the Meishu Phono Kapellmeister 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 **5U4G** 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

Line inputs Two RCA / Single Ended line inputs are available for connection, Labeled 'Aux' and 'CD'; any standard 'line level' source can be connected to these inputs.
All sockets are colour coded; RED is for RIGHT channel connection, WHITE is for LEFT channel connection.

There are also dedicated inputs and outputs for connection to a recording device. Connect the 'Line Out' sockets of your recording device to the 'TAPE-IN' sockets, and the 'TAPE-OUT' sockets to the 'Line In' sockets of your recording device. The 'TAPE-IN' sockets can alternatively be used as an additional line level input. The 'TAPE-OUT' sockets bypass the volume control, so **cannot** be used as a 'PRE-OUT' to feed a separate power amplifier.

XLR Input In addition to the two RCA inputs, a pair of XLR / Balanced inputs are provided for the connection of line level sources with the appropriate XLR / Balanced outputs. These sockets are connected to a pair of extremely high quality Audio Note (UK) Balanced input transformers.

The sockets are marked 'Left' and 'Right' and the 'BAL' position on the input selector activates them.

Phono input The Meishu Phono Kapellmeister is equipped with a very high quality, valve, Moving Magnet (MM) phonostage. Connect the cables from your tonearm to the 'Phono' socket inputs. If your turntable is equipped with a separate earth wire, connect this to the dedicated grounding / earth post, located next to the 'Phono' input sockets.

If you wish to use a low output Moving Coil (MC) cartridge, Audio Note (UK) manufactures a series of Step Up Transformers for this purpose. For further information, please contact your Audio Note (UK) Dealer, or alternatively please contact us directly.

Ground Post A ground post is provided for connection to those source components that also use a separate ground terminal.

CONNECTION continued…

Speakers

Each channel is equipped with 3 colour coded binding posts for connection to your ‘speakers.
Looking from the front of the amplifier, the 3 binding posts to the left are for the left channel and the 3 binding posts to the right are for the right channel.
Connect the amplifiers black ‘speaker output binding post marked as “0” to the black / negative terminal (also marked “ – “) on the ‘speaker.

Connect the amplifiers red ‘speaker output binding post marked “8 Ohm” to the red / positive terminal (also marked “ + “) on the ‘speaker. The other red ‘speaker output binding post is marked “4 Ohm” and may be used with ‘speakers that have a characteristic load impedance of 4 Ohms. 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 selection that produces the best frequency balance and maximum dynamics should be used.

Mains

The Meishu Phono Kapellmeister is equipped with an IEC 320 mains inlet socket. Use the supplied mains cable to connect the unit to the local mains supply. The mains fuse is located in the fuse holder positioned to the right of the mains inlet socket on the rear panel. There is also an internal fuse, located on the front face of the mains transformer.

OPERATION

Special Note – Make sure that all connections are tight and clean. For best results use good quality audio interconnects. Although it is 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.*

Once all the connections are completed and checked, ensure that the volume control is at the minimum setting (rotated all the way to the left).

Turn on any source components (CD player, DAC, Phonostage etc) BEFORE turning on the amplifier; the amplifier should be the LAST item to be turned on when you are ready to listen to your system, and the FIRST item to be turned off when the listening session is over.

Turn on the amplifier by using the rocker switch located on the rear top right of the back panel, just above mains inlet socket.

The red front panel light should now be lit. The amplifier requires approximately two minutes to initialize before it is ready for operation.

Function Selector Turn the selector to the source you wish to listen to; choose from Phono, BAL, CD or AUX.

Record Selector This selector allows you to listen to the output from your Recording Device, if one has been connected. Turn the selector to 'Source' to listen to the input chosen with the Function Selector, and turn to 'Tape' to hear the output from your Recording device.

Volume Controls There are two separate volume controls, one dedicated to each channel. For a correctly produced Stereo or Mono recording, adjust both channels to the same level. If it is necessary to equalize the relative levels for each channel, adjust the controls separately to achieve the desired balance.

OPERATION continued…

Bedding in

The new amplifier requires roughly 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 amplifier is 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 amplifier.

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	100 KOhm, line level 47 KOhm, phono
INPUT SENSITIVITY	110mV 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 (PSU) 2 x 300B 1 x 6463 1 x CV4068 3 X 5670 (phonostage)
UNIT WEIGHT	35KG
SHIPPING WEIGHT (ORIGINAL PACKAGING)	42KG
UNIT DIMENSIONS	220mm (h) x 460mm (w) x 530mm (d)
SHIPPING DIMENSIONS (ORIGINAL PACKAGING)	400mm (h) x 650mm (w) x 670mm (d)
MAINS INPUT	AC 100-120V/220-240V 50/60Hz
MAINS FUSES 110 – 120V	(110-120V Supply): - 2A Timed / 500mA Timed (rear panel) 400mA Timed (internal)
MAINS FUSES 220 – 240V	(220-240V Supply): - 1.6A Timed / 400mA Timed (rear panel) 400mA Timed (internal)
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 covers 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: -

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