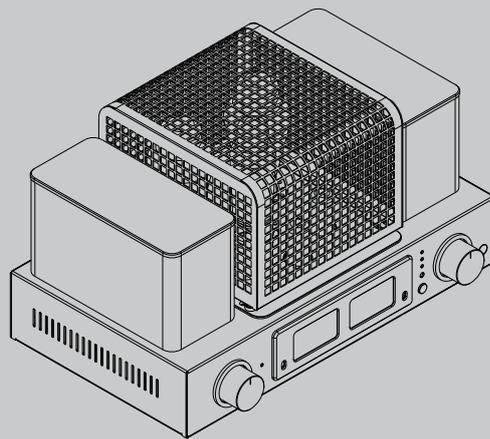


Oilily

VACUUM TUBE INTEGRATED AMPLIFIER



A300B MK

The product usage manual

Thank you very much for purchasing Oilily A300B MK Integrated Vacuum Tube Amplifier .
This product is equipped with a sponge inside the tube cage to prevent damage to the tubes during transportation .

Please be sure to take out the sponge inside the tube cage before using , otherwise it will cause damage to the machine or fire .

Please read this manual carefully before use !

Table of Contents

Introduction	1
Preface.....	2
Chara. cteristics	3
Technical Specification	4
Front Panel FunctionDescription.....	5
Rear Panel Functions Description.....	6
Bottom Platform Above And Remote Control Function Description	7
Audio . Source Connection.....	8
Speaker Connection.....	9
Power On.....	10
General Troubleshootig.....	11
Safety Precaution.....	12
Product Warranty Card	13

Introduction

Thank you very much for using the A300B MK Intergrated Vacuum Tube Audio Amplifier .
In order to make you use this audio system better and enjoy the endless fun , please read this instruction manual carefully before using .

Open Box

Before unpacking , please carefully check the box for drop , damage or wet marks , and place the box with the arrow pointing upwards .

Open the box and check and confirm the following items :

1. One A300B MK Intergrated Vacuum Tube Audio Amplifier
2. Two spare fuses
3. One Power Cable
4. One usage Manual
5. Remote control (2pcs of AAA batteries are not included)

Suggestion : Please keep all packing materials . You may need to repack them during warranty or transportation .

Note : All other parts except above are not included .

Preface

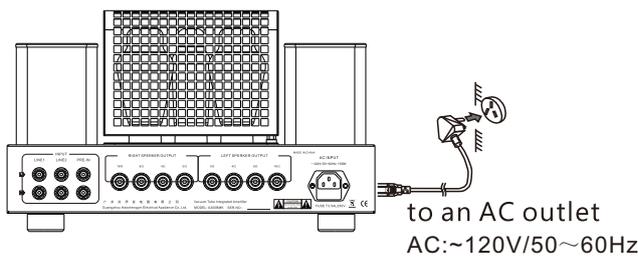
Operation Precautions

- Moving the amplifier :
To avoid short circuit or damage unplug all power cables and disconnect the signal and speaker cables from all other audio equipment when moving
- Before turning on the power :
Check again that all connections are correct and that there are no problems with the signal and speaker cables
Before connecting and disconnecting cables , make sure the power switch is set to the off position
- Please keep the instructions in a safe place
After reading this manual , please keep it with the warranty card in a safe place.
- For ease of explanation , the illustrations in these operating instructions may differ from the actual equipment .

Power Supply Precautions

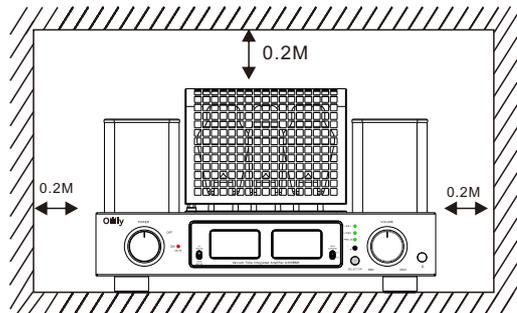
AC power cord connection

After connecting the speakers and audio source , connect the amplifier AC power .



- ◆ The power can be turned on after the connection of various equipment and speakers is completed.
- ◆ If this unit is used for a long period of time , the power transformer will heat up , this is normal.
- ◆ If you do not use the unit for a long time , unplug the power cord . The voltage used by this machine must be in accordance with the regulations , and the company will not be responsible for any fire or other accidents caused by using voltages other than those specified.

- ◆ Do not place the unit in a place where it can be directly exposed to sunlight or near other heat sources
- ◆ To prevent overheating , make sure that the amplifier cooling holes are not covered by other objects
- ◆ Keep away from all moisture and avoid accumulation of dust
- ◆ When placing the machine , ensure that it is easily connected to the power supply and other related equipment .
- ◆ The machine should be supported so that the four feet are evenly stressed .
- ◆ Do not place in an audio cabinet where there is a not enough space above and below which will hinder heat dissipation . To ensure proper heat dissipation , please keep the unit at least 8 inches away from all obstructions as shown below .



DO NOT touch hot parts during or after use !

During and / or immediately after use , areas other than the unit ' s controls and rear panel connection jacks can become very hot . Do not touch hot parts , especially the top cover .
Avoid getting burns !

Vacuum Tube Replacement Table

VACUUM TUBE FOR THIS MODEL	Replaceable vacuum tube
6N6	6H6N
6N11	6922
5AR4	5U4G 5Z3PA 274B
300B	300B-N 300B-G 300B-98

Characteristics

- ◆ Use a square power transformer specially developed for this machine
- ◆ The output transformer adopts two high - quality wide frequency response EI output transformers
- ◆ A 6N11 and two 6N6 tubes are used for the voltage amplifier stage and the push stage , respectively .
- ◆ Use two Hifi rectifier tubes 5AR4 for rectifier .
- ◆ The power stage uses two 300B vacuum tubes for class A single - ended
- ◆ Use Japanese ALPS high - grade potentiometer
- ◆ Easy - to - install plug - in vacuum tube cage
- ◆ Start - up protection mute delay function (about 30 seconds) .
- ◆ Japanese ALPS motor potentiometer remote volume control .

Safety Precautions

1. If the machine is not used for a long time , the power plug should be unplugged from the AC outlet .
2. The surface temperature of the machine is high when it is working for a long time . Don ' t block the ventilation holes and place the machine in a ventilated place . Poor ventilation can cause excessive temperature and malfunction or fire .
3. The machine is not allowed to be empty , so as not to damage the machine .
4. The output terminal of this machine is not allowed to be short - circuited to avoid damage to the machine .
5. Never carry out any internal maintenance and adjustment by yourself , or touch any internal components . This may damage the machine or cause electric shock .
6. The company is not responsible for any damage caused by internal changes . Any maintenance can only be carried out by professional maintenance personnel .
7. The machine is strictly prohibited from being splashed by water droplets or water to avoid electric shock
8. Using a soft cloth to clean the panel and appearance at regular intervals . Avoid using any thinner , such as alcohol or other volatile liquids to wipe . Because they will damage the surface layer and cause stains on the surface , and will erase all kinds of marks . Do not use pesticides near the machine .
9. Handle with care to avoid damage to the machine . or damage to the machine .

Other

Technical parameter

FTC Power Output : 300B=250mW+250mW (8Ω, 20Hz, THD+N:1%)
300B=1.5W+1.5W (8Ω, 20KHz, THD+N:1%)

Power Output : 300B=8W+8W The rated output power is less than 5%

【 Frequency response 】 :20Hz-25KHz

【 Total Harmonic Distortion 】 :1%(1W/1kHz,20Hz~20KHz)

【 Signal noise ratio 】 :96dB

【 Input sensitivity 】 : 350mV

【 input impedance 】 :100k

【 output impedance 】 :4 Ω ,8Ω

【 Headphone amp output impedance 】 :8Ω-300Ω

【 Surge Voltage 】 :~240V±5%(50Hz~60Hz)-120V±5%(50Hz~60Hz)

【 Machine Volume 】 :(WxDxH):(400*280*351) mm

【 Vacuum Tube 】 :300Bx2 ,5AR4x1,6N6x2,6N11x1

【 NET Weight 】 :19kg

【 Power consumption 】 :150W

【 Working conditions 】 : Temperature :0°C-40°C Humidness :20%~80%

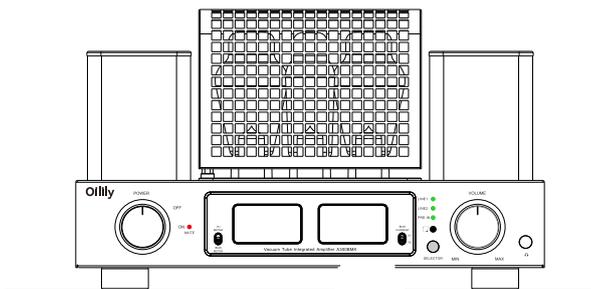
【 storage condition 】 : Temperature :-20°C~70°C Humidness :20%~90%

Due to continuous product improvement , specifications and functions are subject to change without notice .

Equipment surface cleaning and maintenance

Please proper maintenance and cleaning the surface coating of your equipment which will make you machine be maintained good for a long time .

Do not use scrubbing pads , steel wool for cleaning , cleaning powder or strong chemicals (such as lye), alcohol , thinners , gasoline , insecticides , or other volatile substances that can damage the surface coating of the equipment .



Warranty

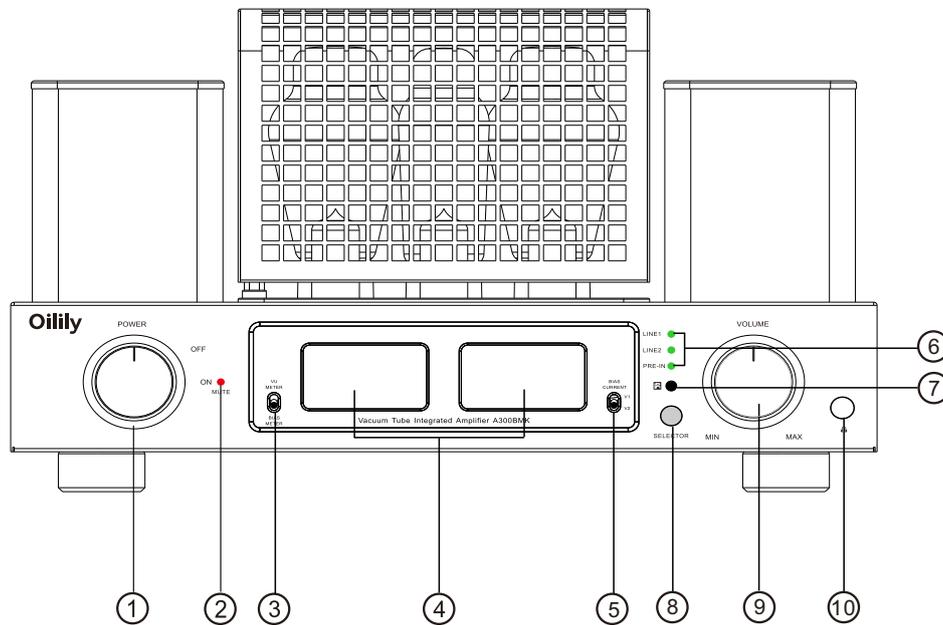
1. The warranty period of this product is one year .
2. In order for the warranty to take effect , the customer must keep it properly . And fill in your order number and name and phone number on the warranty card .
3. During the warranty period , we guarantees the repair of the quality problems of the product under normal use , on the condition that the product is approved for repair (you must contact the seller) before the machine shipped to the warranty center .
4. If you open the machine without our permission , the warranty commitment will be invalidated .

Important Note

If the product numbers on the product box , case , and warranty card are inconsistent , altered or missing the product number , or lack the warranty card , you will not be able to enjoy normal after - sales service .

Part names and functions

Front Panel Function Description



1. Power Knob Switch

Used to turn ON and OFF the power . When the machine is not use for a long time , turn off the power switch .

2. Working status indicator / mute indicator

Indicate the working status of the power amplifier . The indicator light is green during normal operation , and the indicator light is red for about 30 seconds during power - up protection delay . The light is also red when muted.

3. Double head toggle switch

When the small fader is pushed up , the level meter is open . When it pressed down ,the level meter used to momitor the working current of 300B tube.

4. Dual meter display

Used to display amplifier level and current .

5. Power amplifier tube bias test button switch

When the toggle switch is pressed up for a long time , the working bias current of V1 on the left can be tested . When the button switch is pressed down for a long time , the working bias current of V2 on the right can be tested .

6. Signal input selection indication

When the LINE1 indicator is selected , you can listen to the sound played by LINE1.

When the LINE2 indicator is selected , you can listen to the sound played by LINE2.

When the PRE - IN indicator is selected , you can listen to the sound played by the PRE - IN .

This unit has a pure amplifier stage function , and the volume can be controlled by the volume control knob of an external preamp .

7. Remote control receiving window

Used to receive commands from an infrared remote transmitter .

8. MUTE/Signal input selection button

Press this button briefly to mute.

Long press this button to select audio source . There are three audio inputs . The corresponding sound source can be selected , and the corresponding input indicator will illuminate .

9. Volume Control Knob

This knob can controil the volume of the sound.

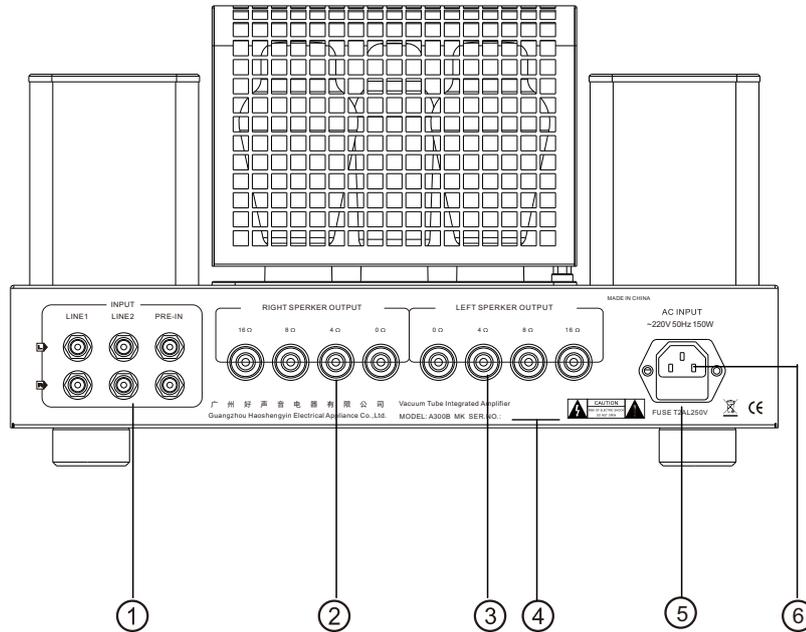
Rotate the volume clockwise to gradually increase , and rotate counterclockwise to gradually decrease the volume .

10. Headphone port output

Used to connect headphones with a 6.5mm jack , when plugged into the headphone port , the speaker output is automatically disconnected .

Part Names and Functions

Rear panel function description



1.Signal input terminal

Connects to various audio source devices with line outputs.

2. Right channel speaker output terminal block

Connect the right channel speaker to this terminal referring to the speaker connection diagram at the back.

3.Left channel speaker output terminal

Connect the left speaker to this terminal by referring to the rear speaker connection .

4.Machine serial number

Please record your machine serial number and fill in the product warranty card .

5. Fuse (FUSE)

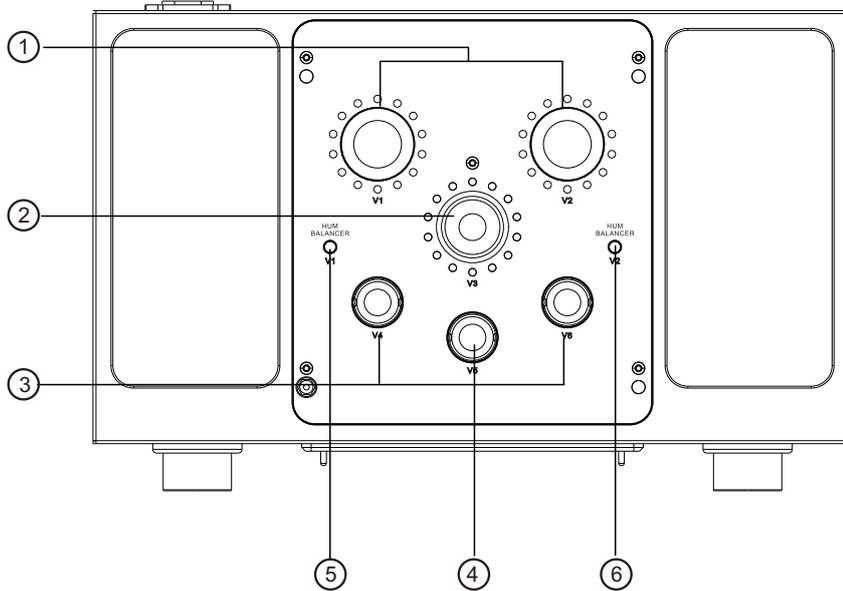
If you need to replace the fuse , please use the fuse with the same parameters .

6. Power input socket

AC power is input here.

Part Names and Functions

Bottom platform above function description

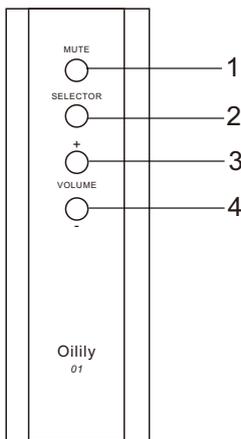


- 1.V1,V2:300B tube
- 2.V3:5AR4 tube
- 3.V4,V6:6N6 tube
- 4.V5:6N11 tube
- 5. Power tube V1 hum adjustment point
- 6. Power tube V2 hum adjustment point

300B hum adjustment method :

Adjust the volume knob to the minimum volume or mute , adjust the 5,6 (HUM BALANCE) adjustable resistors in one - word batches , and use the ear to monitor the hum output of the speaker to minimize the hum . The adjustment method for the other channel is the same .

Remote Control Functions



- 1.[MUTE]
Mute button
- 2.[SELECTOR]
Source input signal selection button
- 3.[VOLUME]
VOLUME UP "+" button
- 4.[VOLUME]
VOLUME DOWN "-" button

Install the batteries :

- 1. Use a Phillips screwdriver to remove the screws on the bottom of the remote .
- 2. Gently pull the battery holder out of the case (Do not use pull too hard or too far to prevent the circuit board from being pulled out)
- 3. Please insert batteries into the holder according to the battery compartment (+).(-) instructions .
- 4. Carefully reinsert the battery holder back into the case , replace the back cover , and reinstall the screws .

7# battery

The positioning port of the tube socket to the corresponds to the positioning pin of the power tube .

Power tubes should be used in pairs .

When adjusting the power tube , it is strictly forbidden for the pointer of the power tube bias meter to deviate from the dial scale area to avoid damage to the power tube .

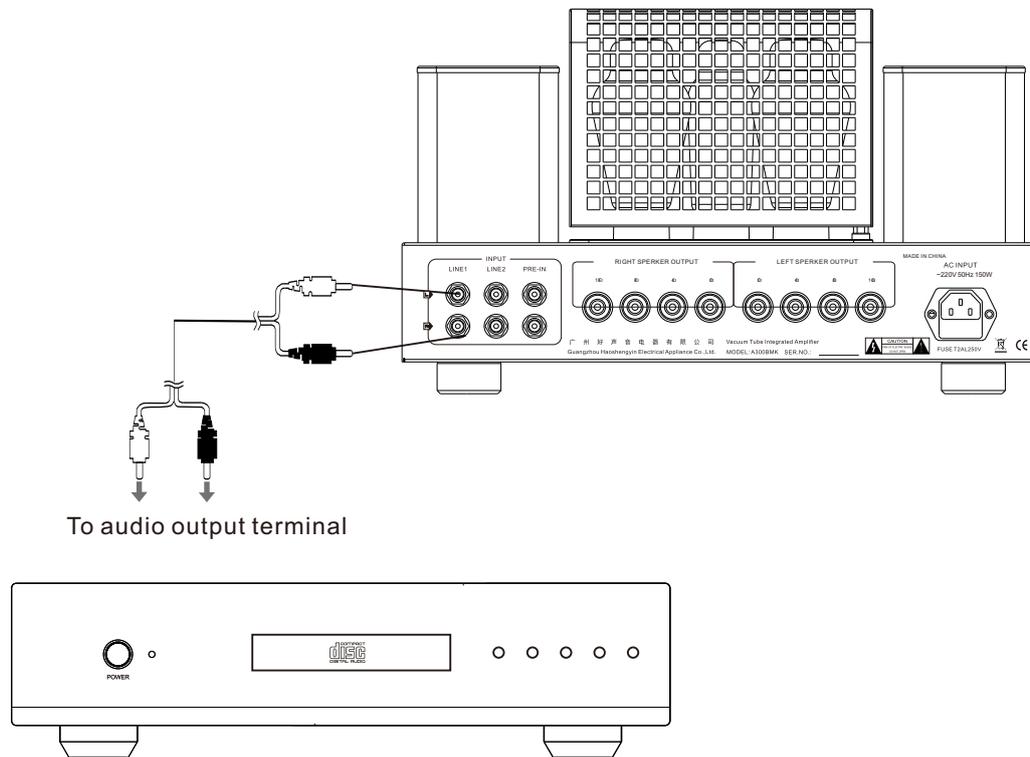
When adjusting the bias of the power amplifier tube , please make sure that the mains voltage is the same as your local voltage .

When the computer is working normally , due to the fluctuation of the mains voltage , the indicator needle of the power tube bias meter will change with the fluctuation of the mains voltage . This is a normal phenomenon .

Connection

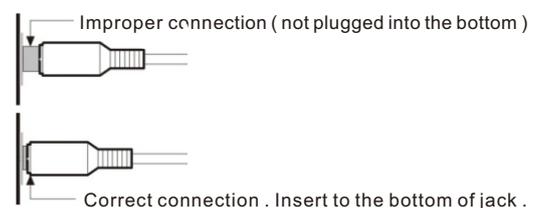
Audio connection

Here is a standard way to connect the main equipment to A300B MK.



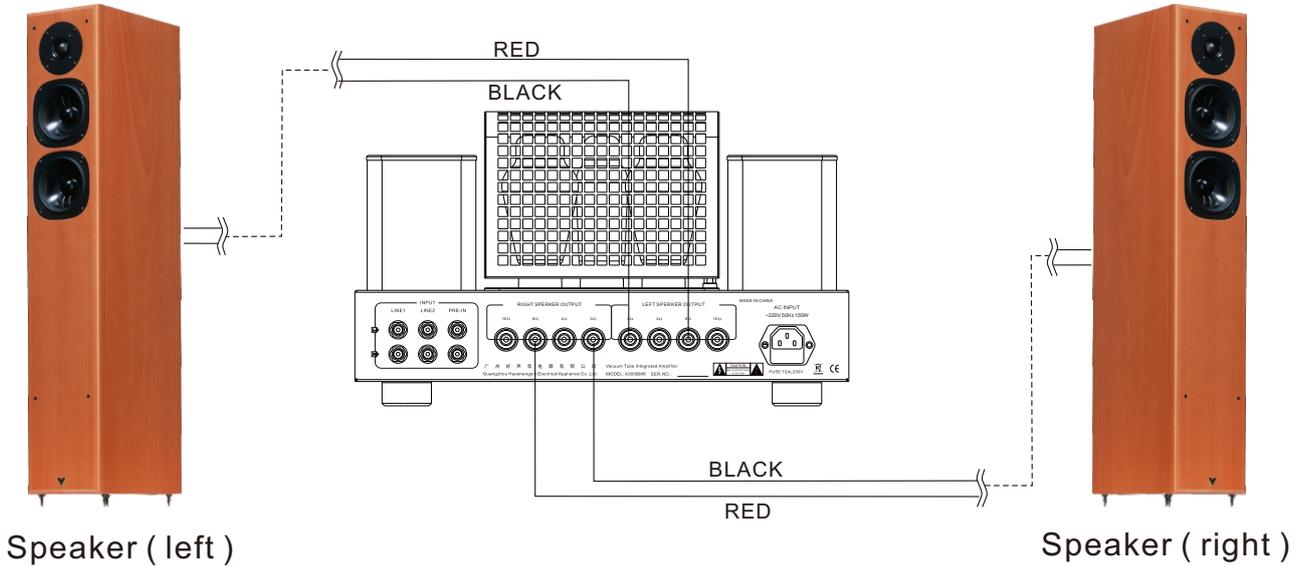
- * **Audio connection note :**
- * Always refer to the instructions supplied with the equipment to be connected .
- * Do not plug in the power cord until all connections are completed .
- * The red connector (R mark) is for the right channel ; the black connector (L mark) is for the left channel .
- * Please connect all the plugs and connecting ends reliably . Improper connection will cause noise , poor performance or damage to the equipment .
- * Do not tie the audio cable with the power cable and speaker cable , otherwise it may adversely affect the sound quality .

Note :



Connection

Speaker connection



Connecting the speaker to the terminal on the back of the machine (as shown in the picture)

The speaker impedance range for this unit is $4\Omega - 8\Omega - 16\Omega$. Please connect correctly , and do not reverse the speaker polarity and channel definition , otherwise the sound will be abnormal .

Speaker cables connection method :

1. Unscrew the terminal knob
2. Insert the speaker cable
3. Tighten the terminal knob

Note :

- ◆ Connect the cables to the speaker first , and then connect to this machine .
- ◆ When using this unit , please make sure all speakers are finished connecting .
- ◆ Pay attention to the direction of the signal flow on the speaker cable .
- ◆ To prevent damage to the circuit , do not short - circuit the positive (+) and negative (-) of speaker cables .

Power On

Before starting the machine , please confirm again that the various connections are correct and the power supply voltage is normal .

- ◆ Turn on the power , the working status indicator light shows Red .
- ◆ After 30 seconds , the protection relay closes , indicating that the machine is working normally . If the working status indicator stays always off , it means there is a malfunction inside the machine , please turn off the power immediately and contact the dealer or our company .
- ◆ After your audio source works normally , you can enjoy high - quality music by selecting the correct audio source channel and adjusting the volume control knob to the appropriate volume .

Machine Maintenance

Read the instructions - Before using the appliance , please read the safety instructions and product instructions carefully to ensure safe and correct operation . Save the instructions - Please keep the safety instructions and product instructions for future reference . Warning sign - please be careful not to tear or wipe off the product number . Operation steps - Please strictly follow the operation steps or use steps of the instruction manual . Use of accessories - When using accessories other than those provided by the manufacturer of the product (such as power cords , fuses , etc .), it must meet the safety requirements of the product , otherwise it may cause danger when not used properly .

Placement - Do not place the product on uneven carts , shelves , tripods , wall mounts or simple bookshelves .

The product may fall down and hurt children or adults , and the product may be damaged .

Power supply - This product can only use the type of AC power source indicated on it . If you are unsure of the type of power supply in your home , please contact your dealer or power supply department .

Excessive lineload - When connecting other electrical appliances to the power outlet that supplies power to this product , please be careful not to overload it , otherwise it may cause fire or electric shock .

Note :

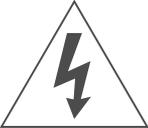
- ◆ **When your audio system is working , do not plug or unplug signal cables or speaker cables to avoid damage to this unit and other equipment .**
- ◆ **After turning off the power , should wait at least 2 minutes if you want to turn it on again to avoid damaging the vacuum tubes .**

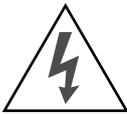
Troubleshooting

In order to maintain the prominent performance of this equipment, please pay attention to maintenance and proper operation. Incorrect operation may be mistaken for malfunction. If the amplifier is not functioning as intended, please check according to following tip to look for the possible reason. Sometimes problems could be caused by other related equipment, please check other equipment and associated connections. If it still does not operate correctly, please contact your dealer or our company.

Problem		Cause	Solution
No sound after power on	Power Indicator is OFF	Power is not well-connected	Check main power supply and connect power cable
		Main fuse is out	Replace with the same specification fuse
	Power Indicator is ON	No signal input	Check whether the audio source equipment is working and audio source is selected correctly
		Volume is at zero	Press the MUTE button on the panel or the MUTE button on the remote again.
		Volume at minimum position	Adjust volume to appropriate level
Excessive noise	Input source badly connected OR Interconnect grounding disconnected	Replace or reconnect the signal cable	
	Equipment malfunction	Contact your dealer or warranty company	
Sound stage and imaging not focused	The left and right channel the input or output inversely connected or the positive and negative terminals of the speaker.	reconnect it as suggested in the manual.	

Pay attention to safety matters

	warning high pressure inside Users please do not open the case	
<ul style="list-style-type: none">◆ In order to reduce the risk of electric shock, do not disassemble the outer cover (or bottom cover);◆ If maintenance is required, it should be repaired by qualified maintenance personnel;◆ In order to avoid the risk of fire and electric shock, do not expose the machine to rain or moisture.		



The lightning arrow inside the equilateral triangle is used to alert the user to the uninsulated dangerous voltage inside the product case. These voltages are quite large and present a risk of electric shock.



The exclamation mark within an equilateral triangle is used to alert the user to important operating instructions and maintenance (service) instructions mentioned in the equipment manual.

1. Before use, please pay attention to whether the local voltage is consistent with the voltage marked on the rear panel of the machine.
2. When the machine is not used for a long time, please unplug the power plug and keep the machine properly.
3. Please place the machine in a well-ventilated place, and do not cover the machine with any items, so as not to affect the cooling effect of the machine.
4. Handle with care during handling to avoid damage to the machine.
5. The machine may condense moisture (dew) in the following situations: the machine is in a room with steam or high temperature after the heating is turned on; the machine is brought into a warm room from a cold environment; the machine is brought from a cool environment, such as in an air-conditioned room or in a car, and suddenly bring it to a very hot and humid place. If moisture condenses inside the machine, it will not work properly. Please confirm that no moisture is formed before using the machine.
6. Be careful of electric shock! Please do not open the bottom cover. There are no parts inside the machine that need to be adjusted by the user.
7. The machine is strictly prohibited from being exposed to water drops or splashes. Do not place objects filled with liquids such as vases on or around the machine, so as not to cause electric shock or damage the machine.
8. Any maintenance can only be carried out by qualified maintenance personnel. Do not disassemble the machine by yourself, the handling of the machine by non-professionals may easily cause damage to the machine.
9. Before cleaning this product, please unplug the power cord. Please wipe the shell of the main unit with a soft, clean cloth, do not use volatile solutions or other corrosive cleaners.
10. Please prevent metal objects such as small iron nails, iron wires, etc. from falling into the machine through the cooling holes on the chassis.
11. The machine should be placed stably so that the force on the four machine feet is even.
12. The distance between the machine and the wall should be kept at least 10 cm.
13. Do not put any flammable items on the machine.
14. Direct sunlight or high temperature will cause component parameters to change or be damaged. Please avoid direct sunlight or use the machine under high temperature.
15. Please use the original power cord of this machine, and ensure that the protective ground wire of the AC power socket is reliably grounded. Using an AC power socket with a poor protective ground wire may cause the machine to work abnormally or cause an electric shock hazard.
16. If the machine fails, please contact the dealer.

Notice:

The power supply voltage used by this machine must match the voltage marked on the rear panel of the machine. The company will not be responsible for any fire or other accidents caused by using a power supply voltage other than the marked voltage.

Dear customer, hello!

Thank you for patronizing Oilily audio products. To protect your rights and interests, please read the following carefully after purchasing your phone:

I. Please note that the following cases are not covered by the free warranty, but can provide paid services.

- 1.Failure to install, use, maintain, and store the product in accordance with the instructions for use causes malfunction or damage.
- 2.Deface or tear product serial number or bar code sticker without authorization;
- 3.The warranty period has expired.
- 4.The product serial number or model on the product warranty card does not match the product itself.
- 5.Without permission, unauthorized disassembly repair, modification or modification of the original machine software.
- 6.Product damage caused by accidental factors or human actions, such as using inappropriate power supplies, signal sources, high temperatures, water in the water, mechanical damage, or falling.
- 7.Failure or damage caused by transportation and loading and unloading during the return for repair;
- 8.Other faults or damages not caused by product design, technology, manufacturing, or quality.

II. After-sales service commitment:

- 1.During the free replacement period, the product is tested by our company and the fault is confirmed. Can replace the same model of the product, the replacement of defective parts owned by the company;
- 2.By the company replacement, warranty products will enjoy the original commitment of the remaining warranty period plus 3 months warranty period;
- 3.If the product is a paid repair, the same performance issue will be available from the date of repair 3 months of free warranty, please request and keep your maintenance certificate;
- 4.The mailing cost of products returned for repair within the warranty period shall be the sole responsibility of the sender

5.The Company shall not be held liable for any other commitments made by the Distributor to you beyond the scope of the Company's warranty.

III. Warranty period:

Warranty category		Warranty period
Main unit (without tubes)		7 days from the date of purchase. Replacement within 15 days. The above items must not be damaged. Warranty within 12 months
Other	Tube	Warranty within 6 months
	Cable, remote control	Warranty within 6 months
	Packaging materials	No warranty
	Other accessories	No warranty

IV. Service Support Before you send the product for repair, please contact our after-sales service personnel at 18102721066 to determine the product failure. You can also visit our website ling62822@gmail.com or send an email to our after-sales service department for service support.

V. The final interpretation and modification of the warranty card belongs to Guangzhou Haoshengyin Electrical Appliance Co.,Ltd

Maintenance records

Serial number	To repair the date	Fault phenomenon	Processing results
1			
2			
3			
4			
5			
6			

Please keep the product warranty card and purchase invoice properly and provide it for reference during maintenance. The above documents are invalid without the official seal of the partner.

Guangzhou Haoshengyin Electrical Appliance Co.,Ltd.

Telephone: +86 18680586729

Mailbox: ling62822@gmail.com

Address: One of the self compiled versions of National Highway 64-2, 107Xinhua Street, Huadu District, Guangzhou City,

Oilily

Product Warranty Card

Product model : A300B MK

Product serial number : _____

Date of purchase : _____

User Name : _____

Dealer (Seal) : _____

User telephone : _____

User address : _____

Email : _____

Guangzhou Haoshengyin Electrical Appliance Co.,Ltd.

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Telegram: +86 186 8058 6729
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**One of the self compiled versions of National Highway 64-2,107 Xinhua
Street,Huadu District,Guangzhou City**