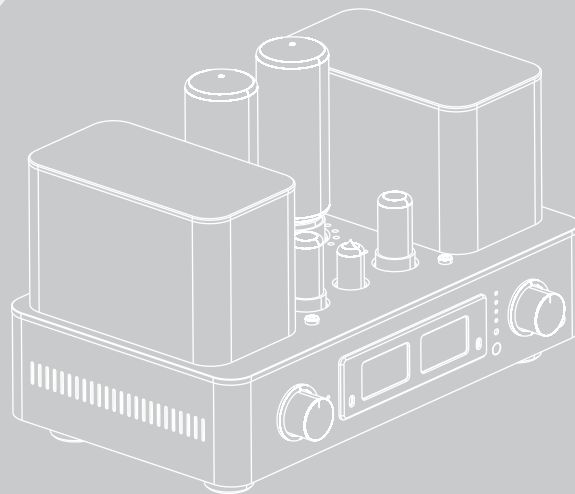


Oilily

Vacuum Tube Integrated Amplifier



A211 MK

The product usage manual

Thank you for choosing Oilily A211 MK Vacuum Tube Integrated Amplifier.
 In order to protect the vacuum tubes during transportation,
 we have packed with protective foam inside the vacuum tubes.
 Please remove these foam pieces before you operating your amplifier.
 Otherwise, it might cause serious damage to the amplifier or disaster
 such as fire accident.
 Please read this manual carefully before you start to use the device.

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Notice

This product design uses factory designated components, which has achieved the optimum design and effect. We do not responsible for any damage and accident that are caused by replacement of non-designated components.

Attention: Any damage to the product due to the replacement of non-designated components is not within the scope of the warranty, but users can pay for repair.

Please place the package in upright position according to the marking of the package. And before opening, check the package to see whether there is any physical damage or water stain. When you open the package, you can find the following items:

1. 1 x A211 Vacuum Tube Interated amplifier
2. 1 x User' s Manual
3. 1 x Power Cord
4. 2 x Spare Fuses
5. Remote control (2pcs of AAA batteries are not included)

Recommendation

Please keep all packaging materials for future use as you may need to repackage the amplifier. Please fill in the product warranty card immediately and mail it to our company to safeguard your comprehensive and considerate after-sales service.

Product Features

- Hand-made construction with the finest point-to-point wiring.
- Two EI output transformers with wide bandwidth are applied.
- Custom build Low magnetic leakage ring transformer is used.
- One 12AX7, two 6SN7 vacuum tubes are used in the voltage amplification stage and the push stage respectively
- Two 211 vacuum tubes are used for class A single end-ended power amplification.
- Japanese ALPS high-end potentiometer is applied.
- Premium shield silver-plated cable are used
- Equipped with easily-installed tube cover for protection.
- Start - up protection mute delay function (about 30 seconds)

Safety precautions

1. Unplug the power cord from the alternating current power socket if you are not going to use the product for an extended period of time.
2. The surface temperature of the amplifier will be higher after long hours of operation. Please keep the amplifier at a well-ventilated environment and do not blocked the vents. Poor ventilation will lead to excessively high operation temperature and can cause malfunction or fire.
3. To avoid damaging the amplifier, the No Load Operation is not allowed.
4. To avoid damaging the amplifier, short circuit among the output terminals are strictly forbidden.
5. Do not attempt to any internal maintenance and adjustment or touching any internal components by yourself, as this may cause parts damage or expose you to electric shock
6. Our company shall not be responsible for performance deterioration or any damage caused by internal modifications to the product. All maintenance must be conducted by professional personnel.
7. The amplifier must be keep away from water dripping or water splitting, do not place any objects filled with liquids such as vases or some others on the top or around the amplifier, to avoid electric shock or damaging it.

8. Please use soft clean cloth to wipe clean the panel and peripheral regularly. Do not use any kind of thinner, alcohol or other volatile liquid to wipe, as they can damage the surface layer, leave the stains on the surface, and efface various marks. Do not use pesticide near the amplifier.
9. Please move the amplifier carefully not to damage it.



- ◆ Do not open the top(or back) cover of the device to reduce the risk of electric shock.
- ◆ If need to repair, refer servicing to qualified service personnel.
- ◆ To avoid the risk of fire or electric shock, do not expose the amplifier to rain or moisture.

- ⚡ This symbol alerts the user to the presence of uninsulated dangerous voltage and high voltage may pose a risk of electric shock to the user.
- ! This symbol alerts the user that the specification coming with the device contains important instructions for operation and maintenance service.

TECHNICAL PARAMETERS

FTC Power Output: 211=400mW+400mW (8Ω, 20Hz, THD+N:1%)
 211=350mW+350mW (8Ω, 20KHz, THD+N:1%)

Power Output: 211=12W+12W The rated output power is less than 5%

Frequency Response: 10Hz~22kHz(-3dB)

(Total Harmonic Distortion)THD: 0.5%(1W/1kHz,20Hz~20KHz)

Input Sensitivity: (RCA Input)380mV,(Power amplifier Input)760mV

Input Impedance: 100KΩ

Output Impedance: 4Ω, 8Ω,16Ω

Headphone amp output impedance : 8Ω-300Ω

(Signal to Noise Ratio)SNR: 82dB(A weighting,20Hz~20KHz)

Net Weight: 30.5kg

Gross Weight: 36kg

Power Consumption: 220W

Tube Used: 12AX7 ×1、6SN7 ×2, 211×2

Dimensions: 441mm(W)×300mm(D)×280mm(H)

Supply Voltage: ~240V ±5%(50Hz)/~120V ±5%(60Hz)

Working Conditions:

Temperature: 0°C to 40°C Moisture: 20% to 80%

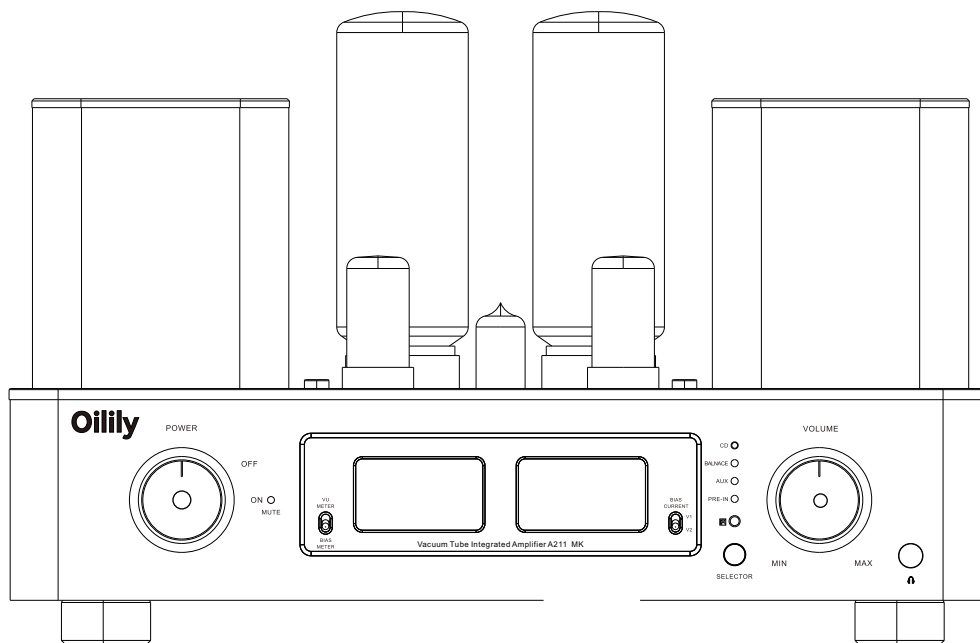
Storage Conditions:

Temperature: -20°C to 70°C Moisture: 20% to 90%

DAILY MAINTENANCE

ATTENTION

- ◆ Use soft cloth to clean the chassis periodically.
- ◆ Do not use chemically treated cloth and other chemicals for cleaning.

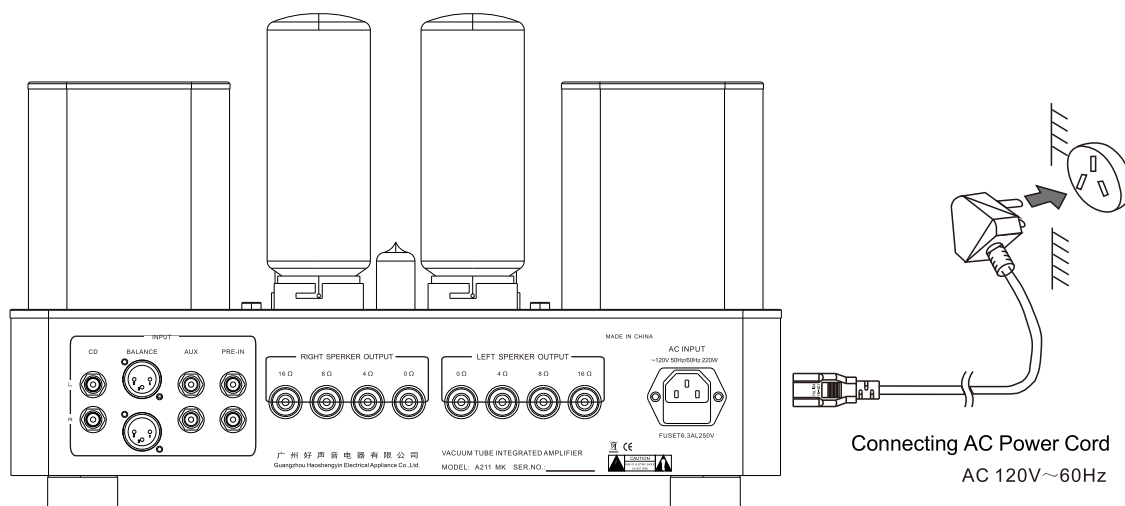


Warranty Service

1. The Product is warranted for a period of twelve months.
2. The Warranty will be treated as void if you don't have submit the completed warranty card to the dealer within 10 days after you purchased the product.
3. Within the warranty period, our company guarantees the repair of the product with quality problems in normal use, provided that the product is approved for repair and transported to the warranty unit or returned to the factory for repair.
4. Do not attempt to disassemble the machine without prior approval of our company otherwise we reserves the right to void the warranty of the product.

Notice: The information in this manual is subject to change without prior notice.

Precautions



Connect to AC Power Supply

Connect the speaker and audio source first and then connect the AC power of the amplifier.

Usage Attention

Connect power cord after all equipments and speakers are well connected.

It is normal that power transformer becomes hot for extended period of operation.

Unplug the power cord if you are not going to use the product for an extended period of time.

Please make sure the voltage used in this product match the specifications. We will not be responsible for fire or other accidents caused by voltage other than specified.

Front Panel Functional Descriptions

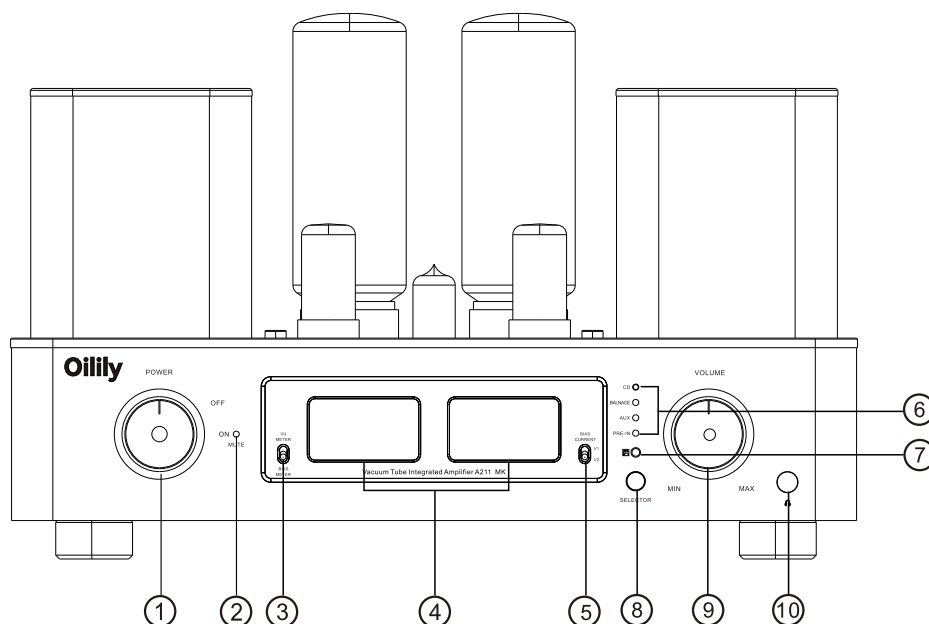


Diagram 1:A211 MK Panel

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(CD) indicator is selected , you can listen to the sound played by LINE1(CD). When the LINE2 (BALNACE)indicator is selected , you can listen to the sound played by LINE2(BALNACE). When the LINE3(AUX) indicator is selected , you canlisten to the sound played by LINE2(AUX). When theLINE4(PRE - IN)indicator is selected , you can listen to the sound played by the LINE(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 .

Attention: Unplug the power cord from the alternating current power socket if you are not going to use the product for an extended period of time.

Rear Panel Functional Descriptions

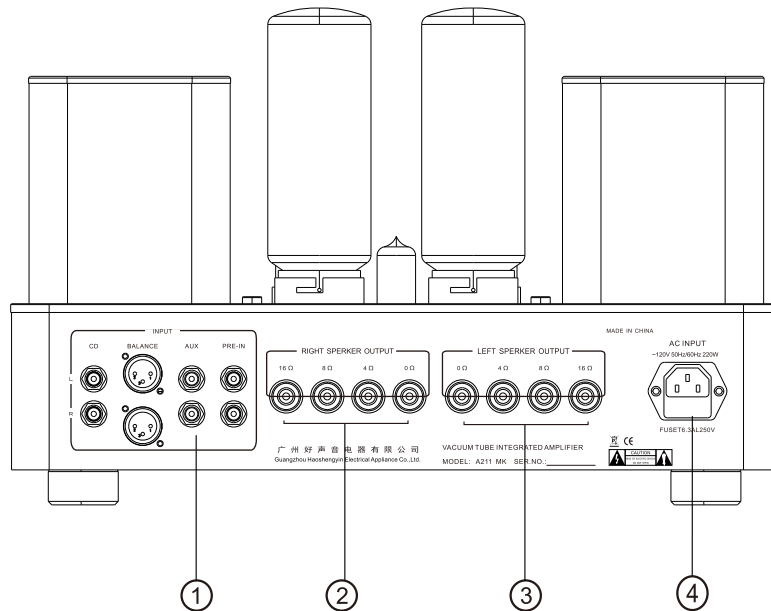


Diagram 2:A211 MK Panel

1. Signal Input Terminal:
Used to input audio source.
2. Right Channel Horn Terminal :
Used to connect the right channel speaker
3. Left Channel Horn Terminal :
Used to connect the left channel speaker.
4. Power Input Socket with Fuse Socket
AC 120V~input power from this
A fuse is installed in the fuse socket.
Please replace with the same specification fuse when replacing the fuse.

Notice:

Please make sure the voltage used in this product must match the voltage information printed on the rear panel. We will not be responsible for fire or other accidents caused by voltage other than specified.

Top Panel Functional Descriptions

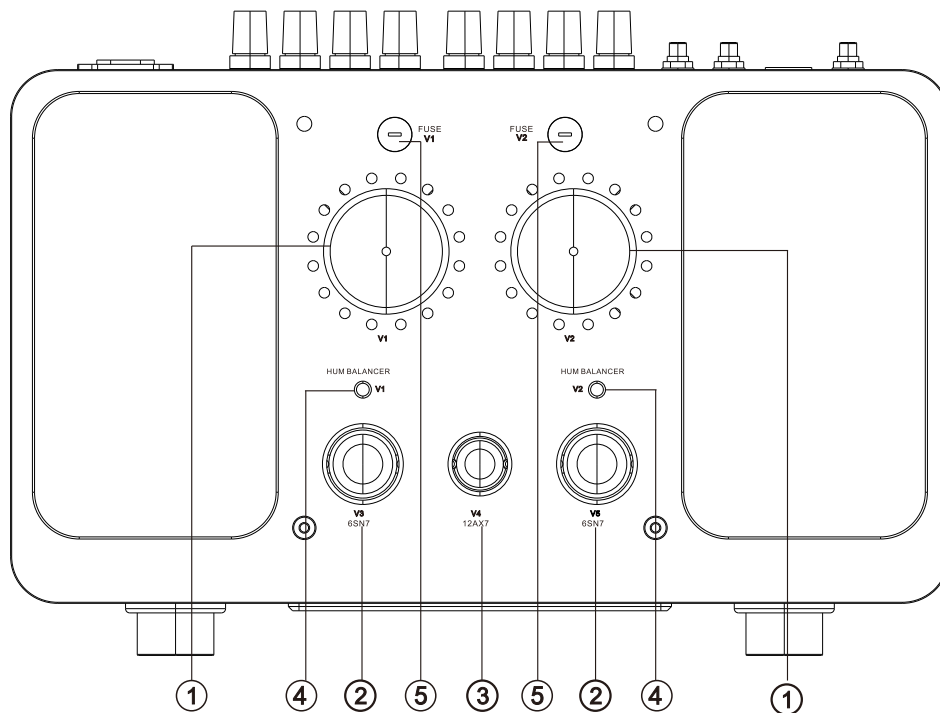
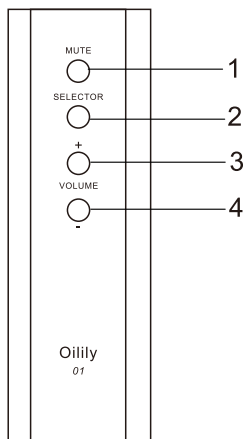


Diagram 3:A211 MK Panel

- ① V1,V2,211 Vacuum Tube
- ② V3,V5,6SN7 Vacuum Tube
- ③ V4,12AX7 Vacuum Tube
- ④ V1,V2, Noise Adjustment Knob
- ⑤ V1,V2, High Voltage Fuse Socket

Remote Control Functions



↑
7# battery

- 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 .

How to replace power tubes

Please wait for 20 minutes when you are sure that the power switch is turned off, and hold the base of vacuum tube to pull and plug the power tube vertically. By replacing different types of power tubes, you can enjoy the experience brought by the different timbre of vacuum tubes.

Attention:

The surface temperature of the amplifier will be higher after long hours of operation. please be careful and don't get burned.
When replacing the power tube to the amplifier, please aware that position the power tube correctly according to the alignment pin before push the power tube base into the socket to avoid breaking the pipe keys.
Power tubes should be used in pairs.

Installation

Please make sure all associated equipment are in perfect working condition before you install the amplifier .

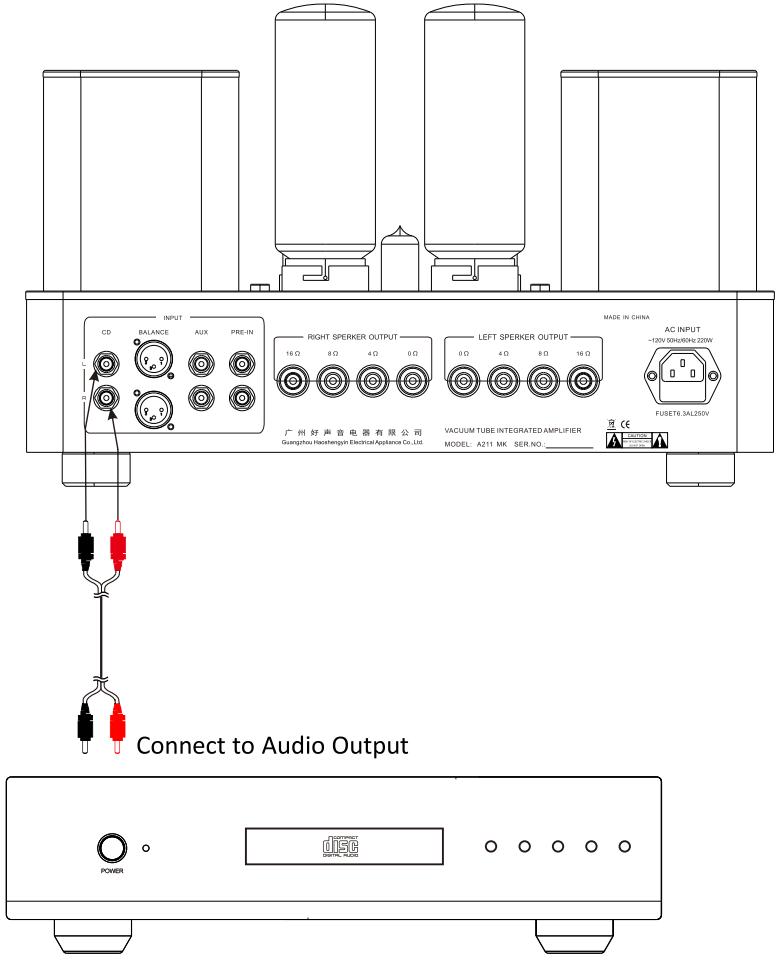
Please pay attention to the following details when you set the amplifier

- ◆ Avoid placing the amplifier in direct sunlight or near a heat source.
- ◆ To avoid being overheated, please do not cover the amplifier's ventilation hole by other objects .
- ◆ Avoid moisture, keep the amplifier from dust if possible.
- ◆ Make sure the amplifier is set a location that can be connected to the AC power supply and other associated equipment conveniently .
- ◆ Amplifier should set in a flat surface and make sure all four supporting tips are evenly loaded.
- ◆ Please keep the amplifier more than 15 cm' s distance to the surrounding walls.

Note: The normal working power supply of the amplifier is AC 220V~ ± 5%. Please make sure your local voltage is the same as the specification. A too high or too low voltage, the amplifier may not operate normally, or even reduce its life length.

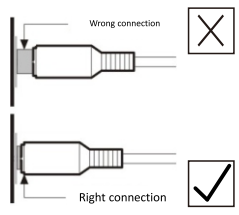
Audio Connection

This section will illustrate how to connect audio equipment to the Oilily A211 MK amplifier.



Attention to Audio Connection:

1. please always refer to the manual of associated equipment .
2. Please do not connect the power cord only if all equipment are well connected.
3. " R " refers to the Right channel while " L " represents the Left channel.
4. Please make sure all connectors are securely installed, as bad connection may cause noise and degrade in audio performance, or even damaging the equipment.
5. Please do not fasten audio cables together with power cables and speaker cables otherwise the sound quality may be adversely affected.



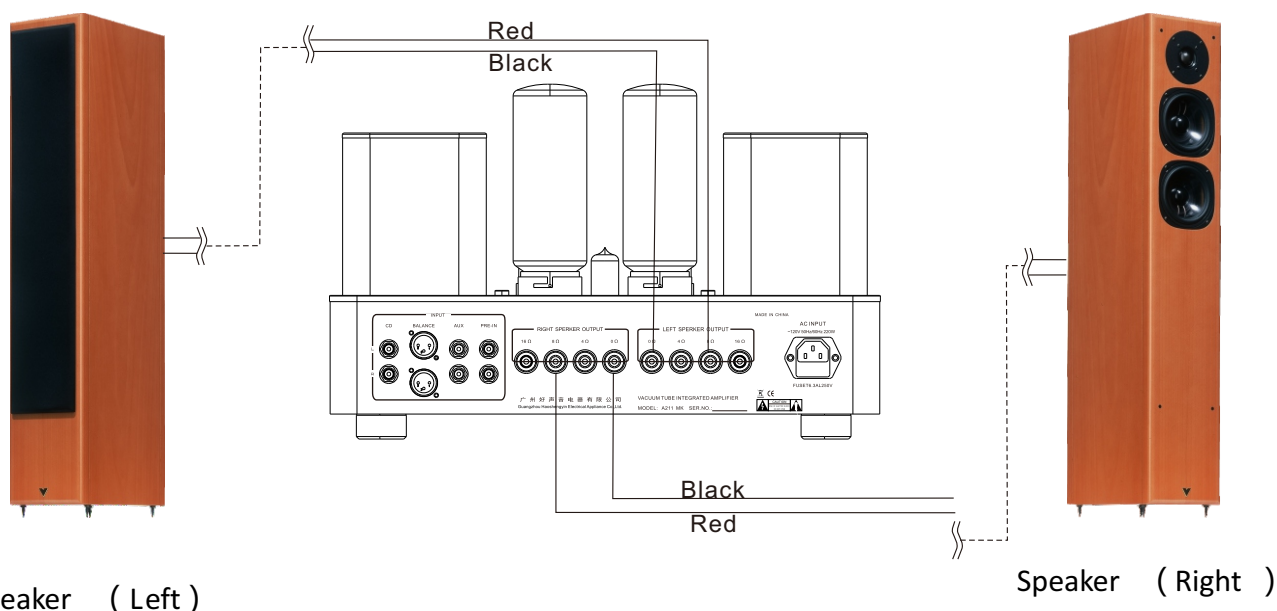
Note: Please make sure + and -, left and right channels are connected properly.

Speaker Connection

Connect the speaker to the rear terminal of the amplifier. (refer to the diagram below)

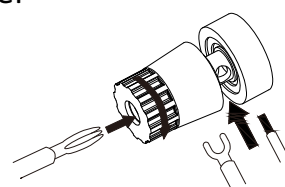
Connect the black wire to the negative end(0Ω) and connect the red wire to the positive end(4Ω ,8Ω ,16Ω)

To avoid the poor sound quality, please make sure left and right loudspeakers are connected properly and do not mix up the positive and the negative end.



How to connect your speaker cables to the amplifier

1. Unscrew the terminal by hand.
2. Insert the speaker cable
3. Screw the terminal.



Speaker Terminal

Notice

Connect the speaker cables with the speakers first and then to the amplifier. Please connect all speakers when using this speaker equipment.

Please notice the orientation of the signal flow on the speaker cable.

To avoid damaging to the circuit, short circuit among the positive (+) and negative (-) speaker cables are strictly forbidden.

Turning 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 .

Attention

Please do not disconnect the signal cable and horn cable when the speaker equipment is ON, this might cause damage to the amplifier and other associated equipment.

If you have turn off the amplifier, please wait 2 minutes before you turn in on again, as it might cause damage to the vacuum tubes.

Maintenance

Read the Manual: In order to operate the amplifier correctly and ensure safety , please read this user's manual carefully to understand product and safety precaution before use the device .

Keep the Manual: Please keep this manual properly for future reference.

Warning Signage: Do not tear off or rub away the product serial number.

Operation: Please follow the operations in this manual strictly.

Accessories: If you are going to use non-factory supplied accessories (such as power cord or fuse), please make sure they are fully compatible with the safety requirements otherwise might cause damage due to improper usage.

Placement: please do not place the amplifier on uneven carts, shelves, tripods, wall racks, or simple bookshelves . If the amplifier falls down, it will suffer damage and possibly injure children or adults.

Power Supply: Please make sure your household AC power supply matches the power requirement of your amplifier. If you are uncertain about the power supply situation, please contact your dealer or local power supply institutions.

Overloading: If you have to connect the amplifier to a power stripe or multi -socket, please make sure the loading is within safety consideration otherwise might lead to electric shock or fire accident.

Warranty Service: Do not attempt to disassemble the machine to adjust internal component parameters or open the cover plate without permission, this will void the warranty service and might expose yourself to electric shock .

Trouble shooting: If you encounter any abnormal behavior during use please refer to the advices as follows to analyze or troubleshoot problems. If you fail to rectify the problems after that, please contact your dealer or our company for technical support.

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. | |

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