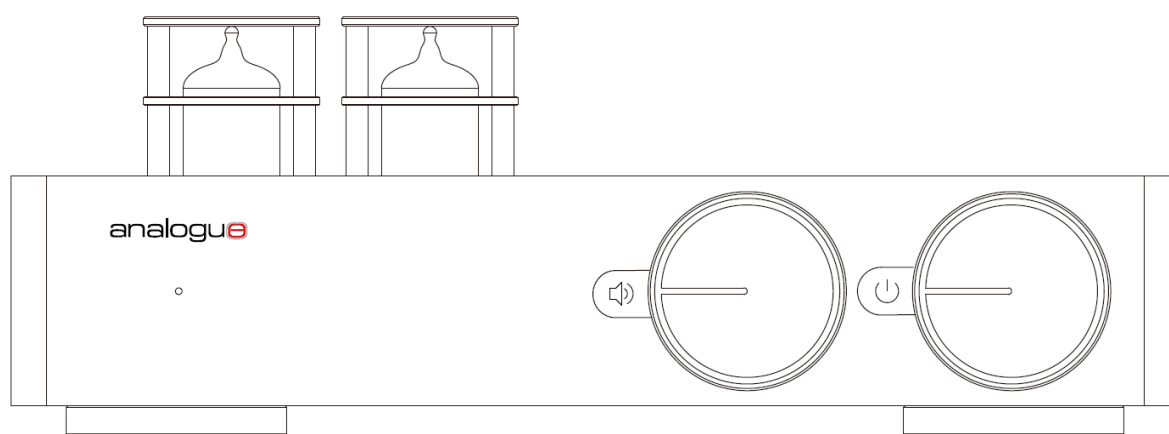


Operating Instructions for the A3 Phono Amplifier

Please read operating instructions carefully before use.



The contents of the manual are applicable to **【A3】** MM/MC phono amplifier.
Version: Ver2.0

Thank you very much for purchasing our product.

- Please read the operating instructions carefully before using the product.
- Please use the product correctly, with a full understanding of these contents.
- Please keep the operating instructions properly for future reference.
- Pictures are for reference only, and are subject to change depending on the actual product.

Please make sure that all accessories are complete before starting to use. If you find that any missing accessories, please contact the dealer or visit the website <http://houtang-tech.com>.

■ Tips

- Do not expose the device to dripping or splashing water, and do not put objects (such as vases) containing liquid on the device to reduce the risk of fire or electric shock.
- The device shall be not covered with any objects, the ambient usage temperature shall not exceed 45°C.
- The device is not disconnected from the power supply even if it is turned off as long as the device is connected to an AC power socket.
- Since the power cord plug is used for disconnecting the power adapter from the power supply, please connect it to an easily pluggable AC power socket. If any abnormality is found, disconnect it from the AC power socket immediately.
- If the power cord is defective or damaged, stop using it immediately.

Note: As there is inherent risk in using this product, please use it in a dry place.

■ Product description

Function: supports MM (moving magnetic) and MC (moving coil) phono amplification functionality.

Parameters:

THD: <0.01% (MM) / <0.05% (MC)

Frequency response: 20Hz to 20KHz/±0.3dB

Input impedance: MC - 100 Ohms/470pF, MM - 47k Ohms/100pF

Phono gain: MC - 60dB, MM - 40dB, @1KHz

Vacuum tube preamplifier gain: 6dB

S/N ratio: MC - 78dB, MM - 80dB

Phono input: MC×1, MM×1

Audio output: RCA×1

Power input: AC 220V/50Hz

Rated power consumption: 20W

Dimensions: 256×180×92 mm (W×H×D)

Vacuum tube model: 12AU7

Net weight: 2.7KG

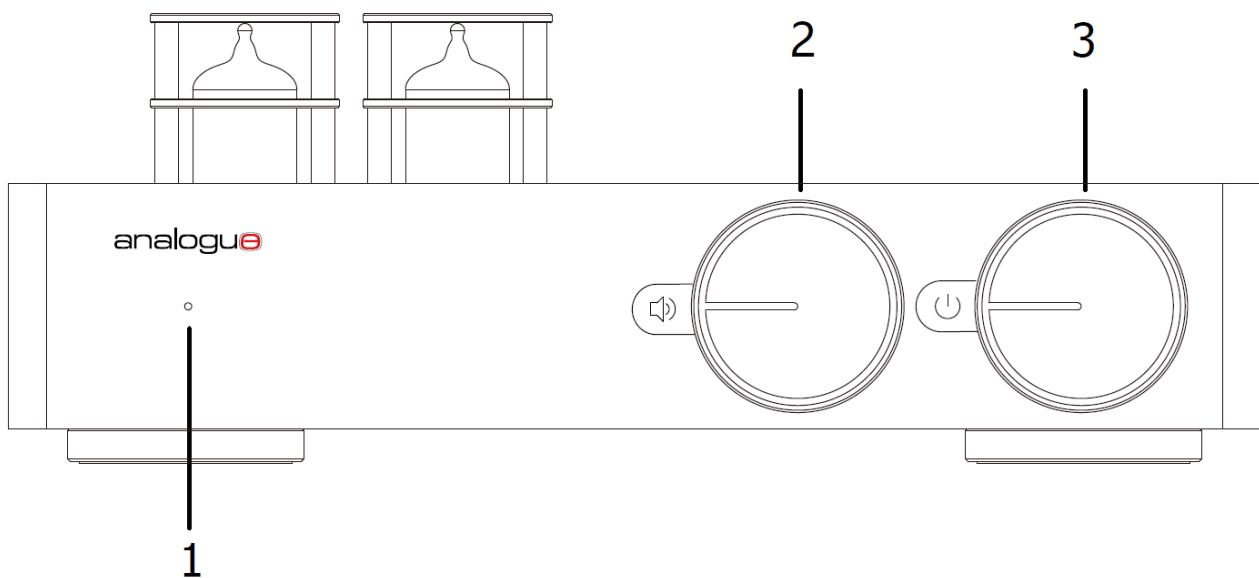
Gross weight: 5KG

Machine dimensions (mm): 265mm×163mm×93mm

Accessories:

1 power cord; 1 operating instructions, 1 certificate of conformity

■ Front panel



Operating instructions of front panel:

1. LED status lamp

- Status lamp on: The power switch is on.
- Status lamp off: The power switch is off.

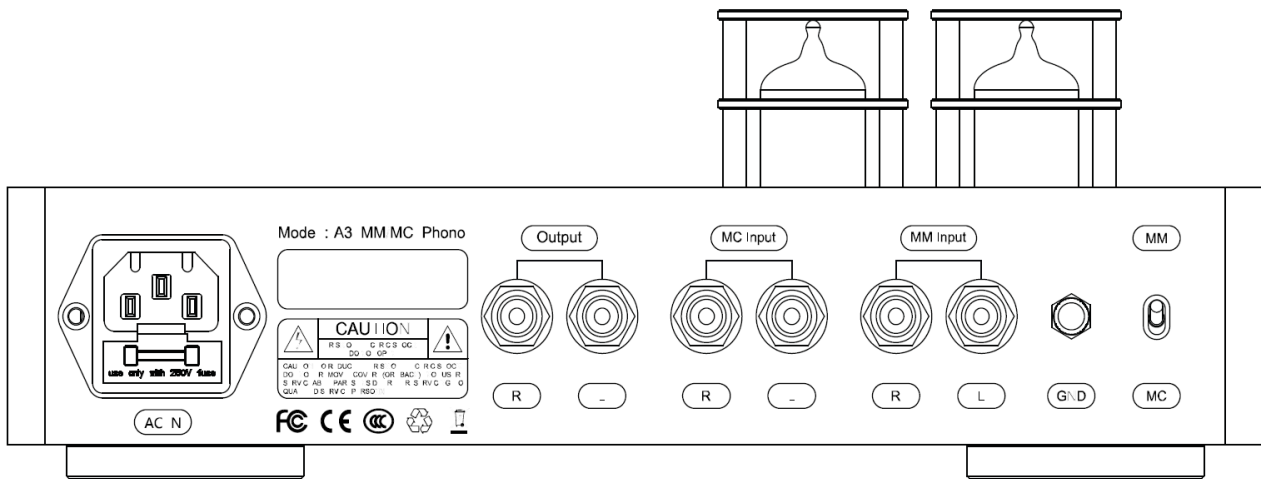
2. Volume adjustment

- Volume increase: Turn the volume adjustment knob clockwise to increase the volume.
- Volume reduction: Turn the volume adjustment knob counterclockwise to reduce the volume.

3. Power switch

- Turn on the power: Turn the power knob clockwise. When you hear a slight sound, the power switch is on.
- Turn off the power: Turn the power knob counterclockwise to the position marked by the power supply, the status lamp and power switch will be off.

■ Rear panel



Rear panel control and interface description:

AC IN AC power input interface

Insert one end of the power cord provided with the product to the interface and the other end to AC power socket. The input voltage is AC 220V.

Output Signal output interface

Connect the sockets to the input socket of preamplifier or main preamplifier using an RCA cable.

Input: MC (moving coil) signal input interface

Select the interface when using MC (moving coil) phono, and the phono will generate low-output voltage.

MM Input MM (moving magnetic) signal input interface

Select the interface when using MM (moving magnetic) phono, and the phono will generate high-output voltage.

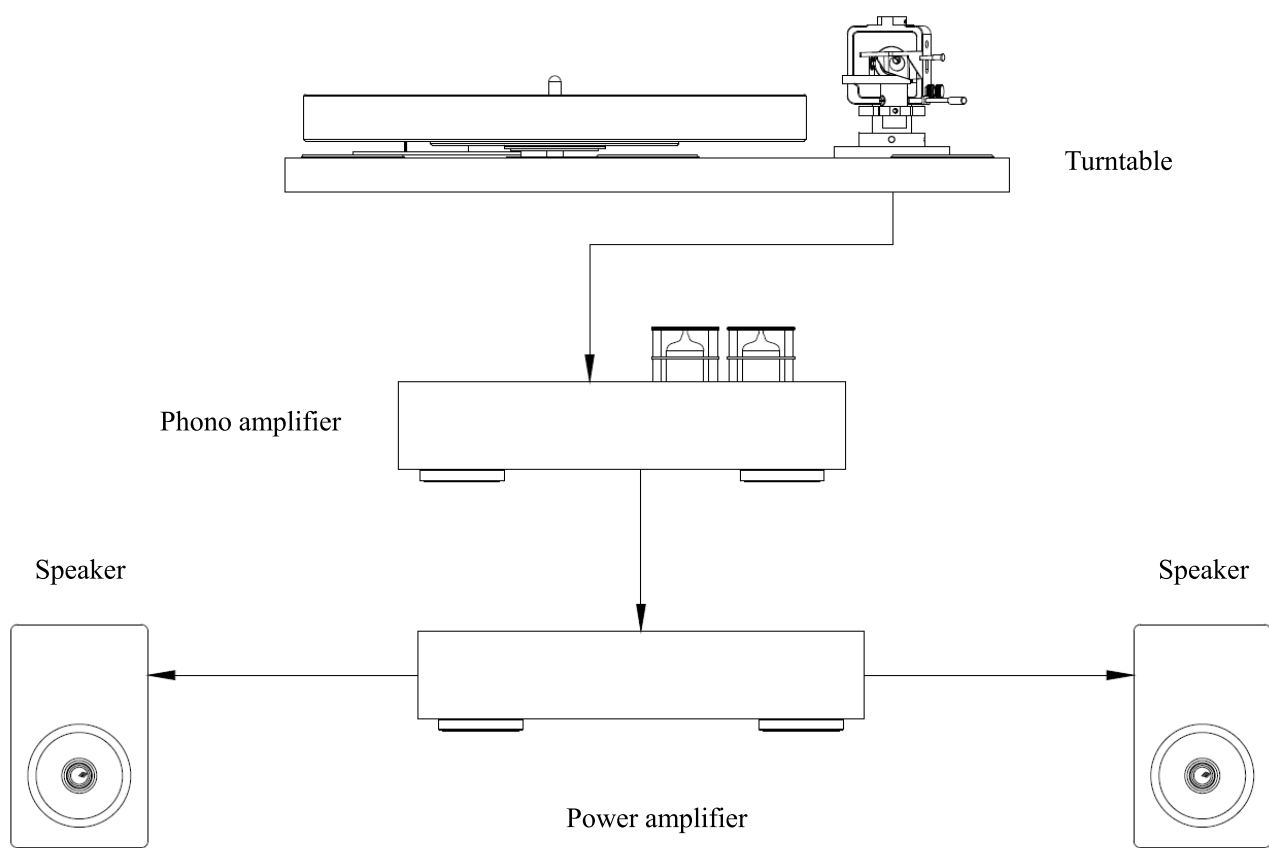
GND: ground rod (ground wire)

Connect the ground wire in the output cable of turntable. Do not connect anything other than the ground wire of the turntable to the ground rod.

MM/MC: input selector switch

Set this switch to match the phono type, choose to set 'MC (moving coil) or MM (moving magnetic) phono.

Phono amplifier connection notes:



Warning

- When replacing or using a power cord of another HIFI type, ensure that the power cord is intact.
- The configuration of the AC power input interface and the shape of the power cord plug vary with the country to which the product is exported. Use of any other power cord may cause a fire hazard or device damage.
- Before use, ensure that the voltage shown on the interface at the rear of the product is consistent with local AC voltage.
- Disassembling the product may result in a serious electric shock hazard.
- Do not touch the vacuum tube during and after use, as it may cause burns.
- If the product does not work, internal circuit boards or components may be damaged, do not attempt to open the product for repair; rather be sure to contact an analogue dealer or authorized service agent.

Fault Handling

Should a fault occur, please check the following items and try to troubleshoot the fault before contacting customer service staff. If the program fails to troubleshoot the fault even after the following operations are performed, please contact an analogue dealer or authorized service agent.



Notes:

Be sure to power off all components before changing any connections.

No power supply

- Ensure that the power cord is connected.

No sound

- Make sure the turntable, preamplifier and other components are powered.
- Make sure the cable is properly connected.
- Make sure the input selector switch and input switch on the preamplifier are set correctly
- Make sure the phono and phono wire are connected correctly.

One of the speakers has no sound

- Check whether the speaker cable and connection cable are connected correctly.
- Check whether the switch of the preamplifier is set correctly.
- Try to change the cable on A3 preamplifier (left/right).
- Try to change the connection of A3 left/right input cable.

Noise

- Make sure the ground wire of turntable is connected correctly.
- If the A3 is near a power amplifier or other power supplies, please move it away until the noise disappears.
- Bind or twist the output cable and the ground wire of the turntable together, and isolate them from A3 power cord and the power cords of other components.

Change the fuse

If the fuse is blown, determine the cause first, then correct the problem, and change the fuse after solving the problem. If newly installed fuses blow continuously, disconnect the power cable and contact an authorized ANALOGUES dealer for help. (Rated current of fuse is 3A), the fuse is located in the power socket at the rear of the device.



Notes

Use fuses of specified type and rated value only to avoid damage to the device.