Thank you for using Cayin HA-1A integrated/headphone vacuum tube amplifier. Please read this operation manual carefully before using it.

Ⅰ GENERAL INSTRUCTION

- Two EL84EHs are used for class A S.E. amplification.
- The toroid power transformer and EI audio transformer are specially manufactured for CAYIN HA-1A by applying our unique workmanship, which has low magnetic leakage, wide frequency response and low impedance.
- One 12AX7 and one 12AU7 are used in the preamplifier.
- Can use as one high quality preamplifier (14dB).
- All-vacuum tube design, all hand-made.

Ⅱ SPECIFICATIONS

Headphone

Input impedance	22KΩ
Output impedance	6Ω-300Ω
Power output	1W×2（Triode RMS）
Input sensitivity	490mV
Frequency response	25Hz-30kHz
THD	1%
S/N ratio	88dB
Channel balance	＜0.5dB

Integrated amplifier

Input impedance	22KΩ
Output impedance	8Ω
Power output	1.2W×2 (RMS, Triode)
	2.2W×2 (RMS, Ultralinear)
Input sensitivity	490mV
Frequency response	25Hz-30kHz
THD	2%
S/N ratio	85dB
Channel balance	＜0.5dB

Preamplifier

Input impedance	22KΩ
Frequency response	15Hz-40kHz
THD	0.8%
Output	2000mV (Max 4000mV)
S/N ratio	82dB
Total gain	14dB

Amplifier

Power requirement	120VAC 50/60Hz
Weight	7kg
Dimension	130(w)×300(d)×230(h)mm
Power consumption	60W

III OPENING THE PACKAGE

Please check the carton carefully whether there are any damages before you open it. Put it on a flat surface with the

arrow upward. Rip away the sealed tape and open the carton, then you'll find:

① An amplifier of CAYIN HA-1A,
② An operation manual,
③ A warranty card,
④ A power supply cord,
⑤ Two fuses.

Note: Please fill out your warranty card in time, and hand it in to your dealer or send it to the sales department of our company to ensure the after-sales service.

Note: Be sure to use at rated voltage. Please check whether the rated voltage marking on the back plate corresponds to your line voltage. If not, please contact your dealer.

Suggestion: Please keep the carton and the other wrappings well, perhaps you'll use them when move the amplifier.

IV CONNECTION

Connect the amplifier to the speaker with specialized sound wire, don't confuse L with R.

Connect the amplifier to your sound source, don't confuse L with R.

Then connect the power cord. At first insert the cord plug into the power socket, and next, insert the other end of the cord into an electrical outlet.

If you use as preamplifier, suggest to preheating for 60 seconds.

Warning: The receptacle which the amplifier power cord is connected to must be the 3-pin grounding type.

V TURNING ON

Note: Be sure to adjust the volume ① to the lowest position before turning on the amplifier.

When you're sure the connections are right, turn it on by pressing the power button ③, then the power indication lamp and mute indication lamp will light up, indicating the amplifier is working normally, then you'll enjoy the music by adjusting the "Volume" while your sound source is working.

Caution: To prevent damage to the amplifier, never cut off the speaker cable while the unit is on.

VI Warning

- Be careful when carrying in order to avoid damaging the vacuum tubes and the other components.
- To reduce the risk of electric shock, don't remove the cover.
- Don't attempt to repair the product by yourself.
- No user serviceable parts inside. Refer servicing to qualified service personal.
- Keep liquid away from the amplifier. If you spill liquid into the unit, pull out the power plug at once and consult your dealer.

VII DIFFICULTIES

Basic troubleshooting of an amplifier is similar to troubleshooting of any other electrical or electronic equipment. Always check the most obvious possible causes first. To give you a few ideas of what to look for, check the following.

Problem	Cause	Remedy
No power when POWER is pressed.	(1) Mains plug not inserted correctly. (2) The fuse is broken.	(1) Plug in securely. (2) Replace the fuse with a new one of the same type .
The location of music is not fine.	L and R of input or output are mistaken or positive and negative of speaker terminal is mistaken.	Reconnect it.
No sound	Volume control is set to minimum Source Selector set to wrong Speakers are not connected Wrong input is selected	Turn up the volume Check Selector Check speaker cables Check input selection
The noise is overloud.	Not fine signal shielded cable. The signal cable, power supply cord and the video frequency cable are placed too close or get tangled up. Components or circuits are in trouble.	Replace the signal cable with a good one Put the connections in good order. Keep the signal cable away from the others. Contact your dealer

VIII WARRANTY SERVICE

- ▲ 90 day gaurantee for the tube.3 year gaurantee part and laber. (shipping not include).
- ▲ To obtain warranty service, the warranty card bearing your dealer's chop or signature must be return to your dealer or our company within ten days from the date of purchase.
- ▲ The defective product must be returned to your dealer or our company for repairing when your dealer or our company accepts your requirement.
- ▲ The warranty doesn't extend to any product that has been opened by you without permission of our company.

IX NOTICE

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

X Diagram

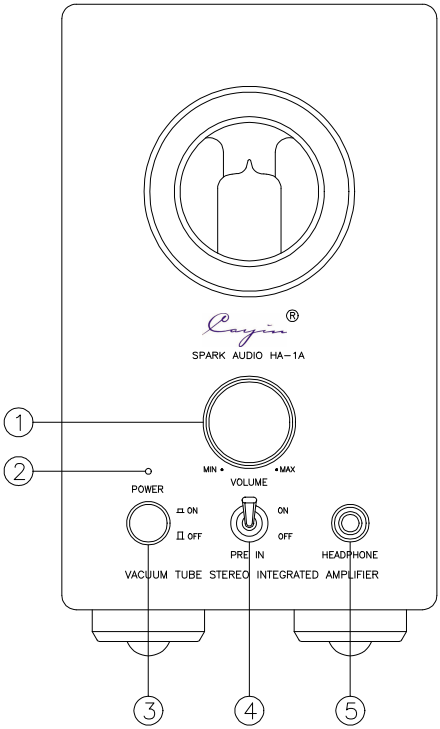

Diagram 1. HA-1A front panel

① Volume
② Power indicator
③ Power switch
④ PRE-IN on/off
⑤ Headphone out

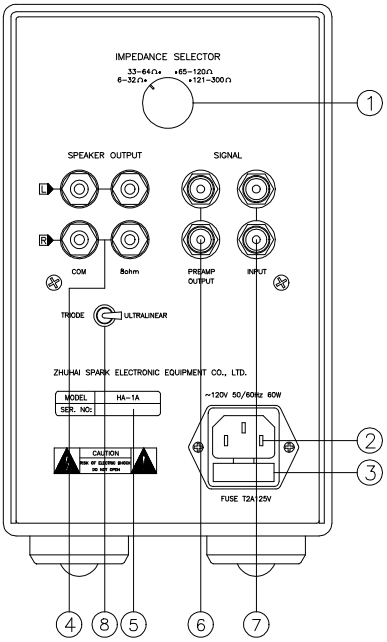

Diagram 2. HA-1A rear panel

① Headphone impedance selector
② Power socket
③ Fuse socket
④ Speaker output
⑤ SN
⑥ Preamplifier signal output
⑦ Signal input jack
⑧ Triode/Ultraliner selector