

Thank you for using Cayin A-50T integrated vacuum tube amplifier. Please read this operation manual carefully before using it.

I GENERAL INSTRUCTION

- Four EL34s are used for class AB1 P.P amplification.
- The toroid power transformer and EI audio transformer are specially manufactured for CAYIN A-50T by applying our unique workmanship, which has low magnetic leakage, wide frequency response and low impedance.
- Two 12AX7EHs and two 12AU7EHs are used in the preamplifier.
- Ultralinear and triode select.
- All-vacuum tube design, all hand-made.
- Remote control

II SPECIFICATIONS

■ Power Output	2×35W(8Ω, ULTRALINEAR) 2×16W(8Ω, TRIODE)
■ Frequency response	10Hz~50kHz (-1.5dB)
■ THD	1% (1kHz)
■ S/N ratio	89dB
■ Input sensitivity	370mV
■ Input impedance	100kΩ
■ Output impedance	4Ω, 8Ω
■ Power requirement	AC 120V ±5%, 50/60Hz
■ Weight	13 kg
■ Dimension	350×185×300mm (W×H×D)
■ Power consumption	280W

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 A-50T,
- ② An operation manual,
- ③ A warranty card,
- ④ A power supply cord,
- ⑤ Two fuses,
- ⑥ One remote control unit.

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

Select the suitable output impedance for your speaker and connect the amplifier to the speaker with sound specialized line, don't confuse L with R.

Connect the amplifier to your sound source, don't confuse L with R. Select the suitable input way for sound source.

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.

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 ③ to the lowest position before turning on the amplifier.

When you're sure the connections are right, turn it on by turning the power knob ①, then the working indication lamp (mute indication lamp) ② will blink, indicating the amplifier is working. After preheating for about 30 sections, working indicator of volume ② will light up, indicating the amplifier working normally. Then you'll enjoy the music by adjusting the "Volume" while your sound source is working.

If you use the amplifier as power amplifier, you can adjust the "volume" of preamplifier.

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

- ▲ This product is warranted for a period of twelve months beginning from the date of purchase.
- ▲ 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.

NOTICE

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

X Diagram

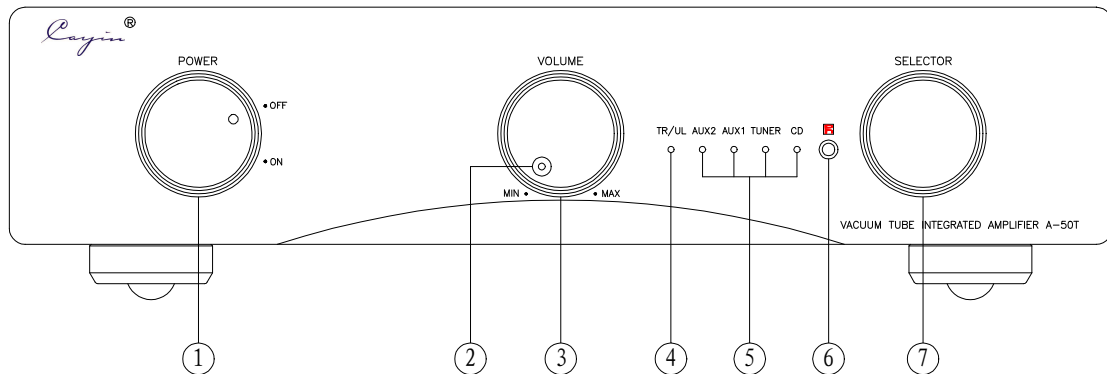


Diagram 1. A-50T front panel

- | | |
|-------------------|--------------------------------------|
| ① Power switch | ② Working indicator (Mute indicator) |
| ③ Volume | ④ Ultralinear/triode indicator |
| ⑤ Input indicator | ⑥ Remote sensor |
| ⑦ Input selector | |

Note: 1. TR/UL indicator: yellow is triode, red is ultralinear.

2. The amplifier has no signal when mute indicator ② blinks.

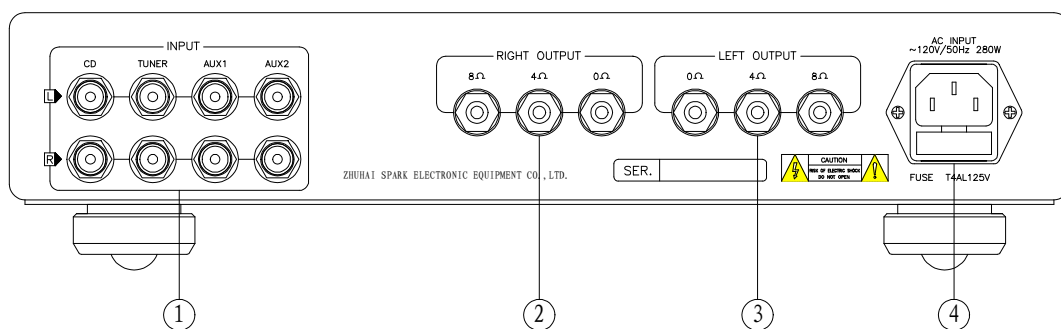


Diagram 2. A-50T rear panel

- | | |
|-------------------------------|-------------------------------|
| ① Signal input jack | ② R channel output (4 Ω ,8 Ω) |
| ③ L channel output (4 Ω ,8 Ω) | ④ Power and fuse socket |

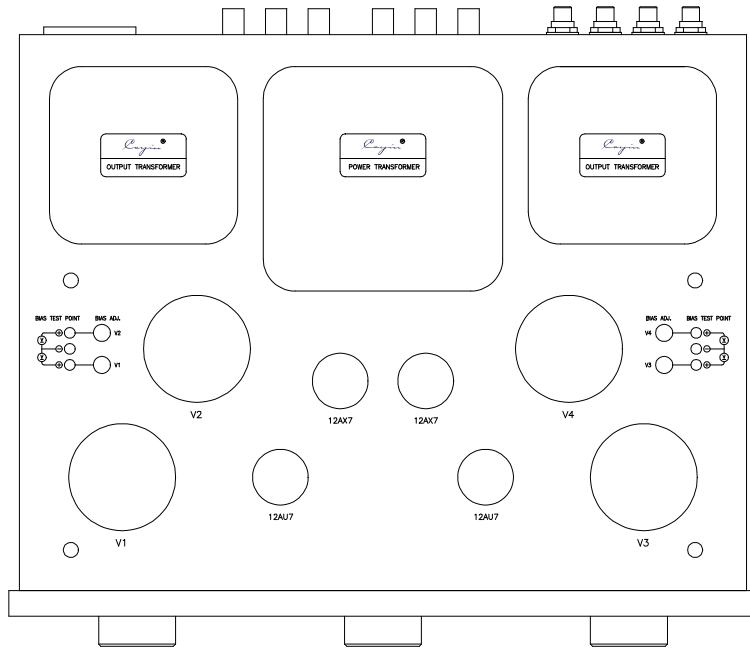


Diagram 3. Vacuum Tube Installing

V1, V2, V3, V4: EL34

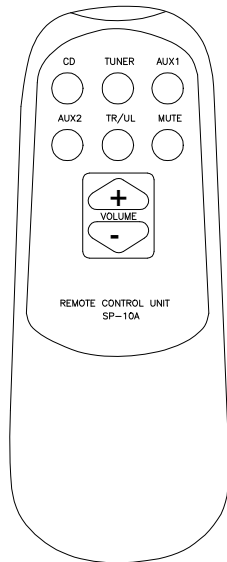


Diagram 4. Remote control unit

- ① TR/UL : TR/UL selector
- ② MUTE : Mute key
- ③ VOLUME : Volume key
- ④ CD : Input selector
- TUNER : Input selector
- AUX1 : Input selector
- AUX2 : Input selector

XI EL34 BIAS ADJUSTMENT

Be sure to adjust the volume to the lowest position before turning on the amplifier. When you're sure the connections are right, turn it on by turning the power button, then the indication lamp will light up, then wait for about 10 minutes. Connect the test lead of DC. V meter (or multi-meter) to the (V1) terminal. Adjust the (V1) Bias Pot to measure the DC. Voltage around 0.3V~0.35V(that means the static current is around 30mA~35mA for V1), and do the same procedure for (V2)(V3)(V4).

***NOTE:**

1. While adjustment proceeding don't input any signal to this amplifier.
2. After adjustment, please wait for about 10-20 minutes and re-check again as the same level of (V1) (V2) (V3) and (V4).
3. Never insert other unknowable or poor quality tubes to the sockets of this amplifier.