

ARIAND

VACUUM TUBE INTEGRATED AMPLIFIER

THE MODEL T SERIES

**OPERATING
INSTRUCTIONS**

ATTESTATION OF CONFORMITY

No.: 10662136AA02

With respect to Directive 2006/95/EC Low Voltage, Telab declares that the equipment:

Product Description: **Vacuum Valve Audio Amplifier**

Trademark: **Yarland**

Model: **PRO88SE, PRO200SE, FV-34B, FV-34C, P100, PM7, M34
M211, M88, M300**

Parameters: **Rated Voltage: 230VAC, 3A
Rated Frequency: 50HZ**

Manufacturer: **Yarland Sound Equipment Factory Of China Wenzhou,
Lucheng, Nanjiao**

Address: **No.16 PuGong Road, Wenzhou, Zhejiang Province, China**

This statement is granted to:

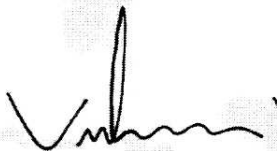
Name: **Yarland Sound Equipment Factory Of China Wenzhou,
Lucheng, Nanjiao**

Address: **No.16 PuGong Road, Wenzhou, Zhejiang Province, China**

Applied specifications/standards: **EN 60065:2002+A1:2006+A11:2008**

Report No.: **RSC0606271-3**

Date: **September 20, 2010**



Van Lantinge
Manager Certification



A "EC Declaration of Conformity" issued by the manufacturer, and application of the CE Mark, is permitted after all applicable requirements are met in accordance with European Union Rules.

ATTESTATION OF CONFORMITY

No.: 10662136AA01

With respect to Directive 2004/108/EC Electromagnetic Compatibility, Telab
declares that the equipment:

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Trademark: **Yarland**

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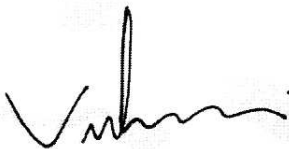
Name: **Yarland Sound Equipment Factory Of China Wenzhou,
Lucheng, Nanjiao**

Address: **No.16 PuGong Road, Wenzhou, Zhejiang Province, China**

Applied specifications/standards: **EN 55013:2001+A1:2003+A2:2006, EN 55020:2007
EN 61000-3-2:2006+A1:2009+A2:2009, EN 61000-3-3:2008**

Report No.: **RSC0606271-1**

Date: **September 20, 2010**



Van Lantinge
Manager Certification



A "EC Declaration of Conformity" issued by the manufacturer, and application of the CE
Mark, is permitted after all applicable requirements are met in accordance with European
Union Rules.

Congratulations! you have decided to become one of the many proud owners of this Integrated Amplifier.

Accuracy in sonic reproduction is but a small part of our tradition. Music, by its very nature, is a passionate creation and our Audio has many years experience in the manufacture of high performance equipment for the "Passionate" audio enthusiast. Every now and then, we **YARLAND AUDIO** can demonstrate providing superb quality components at affordable prices. You don't need to be a Millionaire to proudly own and enjoy a YARLAND Tube Amplifier.

You will be consistently astonished at the precise detail, the purity, the tranquil simplicity of control regardless what type of music you listen to, be it Classical with its dramatic crescendos and diminuendos or be it Rock and Roll with its anger snapping character or Heavy Metal and its chest punching bass, We will continually impress by delivering a quality of 'Musical' excellence difficult to surpass.

This manual has been prepared to help you better understand your Amplifier and also allow you to appreciate its design and various features.

Please read our recommendations carefully and you will enjoy this beautiful amplifier for many years to come.

It is most important in taking your time to read and understand this manual as this will allow you to extract the very best from your investment.

MODEL FV-34B-V

IMPORTANT SAFETY INFORMATION



WARNING

- * Don't put on the amplifiers without loudspeakerload
- * 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 center.
- * Keep liquid away from the amplifier. If you spill liquid into the unit, pull out the power plug at once and consult your dealer.

**DESIGN OF THE PRODUCT CONFORMS TO FOLLOWING STANDARDS:
EN60065 INTERNATIONAL ELECTRICITY SECURITY STANDARD.**

ELECTROMAGNETIC COMPATIBILITY: EMC EN 55013

CAUTION: BEFORE OPERATING THIS NEW PRODUCT, PLEASE CAREFULLY READ THIS OPERATION MANUAL AND THEN SAVE IT FOR FUTURE REFERENCE. IT WILL BE USEFUL IF YOU HAVE ANY DIFFICULTIES IN OPERATING THIS NEW PRODUCT IN THE FUTURE.

1. It is dangerous to use this product if
This product begins to smoke, smell, or make strange sounds. If this happens, immediately switch off the power, unplug the power cord and contact the nearest authorized service center.
2. Never remove the bottom cover
Do not remove the bottom cover of this product. Touching high voltage parts inside the cabinet can result in electric shock and/or damage to the unit. Do not tamper with accessory or part inside the unit. Even if unplug the power-cord, wait until the charge remain in the energy storage capacitors disappear. Refer to adjustment inside the cabinet and any needed service, please turn to qualified technician.
3. Avoid exposing this product to direct sunlight, dust, heat sources or moisture
Do not place this product in a location where it is exposed to direct sunlight, dust, heat sources, high humidity, kitchen smoke, etc, as these may cause malfunctions.

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4. Select a safe and well-ventilated location

- Select a safe location. Keep children, dog and cats away from the vacuum tubes and the product.
- The cabinet has air vents to allow heat to escape, covering these air vents may result in malfunction or, in some cases, fire.
- Always observe the following guidelines:
- Keep this product 1cm or more away from wall.
- Do not place this product in a confined space with poor ventilation.
- Don't operating over 6 hours. Give a rest before contiuing operating.

5. Do not place objects containing liquids on top of this product

- Do not place any objects containing water or other liquids on this product.
- If liquids enters this product, it can cause malfunction, eletric shock or fire.
- unplug cord from the AC mains and contact the nearest service center.

6. Keep the product away from strongly magnetic objects.

7. Handling the power Cord

Using a damaged power cord, or one with bare wires exposed, could cause fire or result in electric shock. Always observe the following guidelines:

- The product which is equipped with a THREE WIRE GROUNING TYPE AC PLUG must be grounded.
- When unplugging from the AC mains, never pull the cord. Always grip the plug when unplugging the power cord.
- Never press this product itself, put furniture,rugs or other heavy objects on the power cord.
- If the power cord have to be near a heater,make sure the cord is far enough from this heater, that the cord under no circumstances will melt or come in connect with the heater.
- If the power cord is damaged, immediately change a new one from the nearest qualified service center.
- If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be removed and the plug cut off and disaposed safely. There is a danger of severe electric shock if the cut off plug is inserted into any 13-ampere socket.

8. Never insert objects into this product

- Do not insert or drop metallic or inflammable objects into this product through the air vents, as this can cause serious damage, electric shock,or possibly fire

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9. When amplifier is operating, cover of transformer will be heated to 60°C, it is normal, Tubes will also be very hot during the operation. So do not touch them directly. Keep them away from any inflammable objects.
10. When the product will not be used for an extended period of time
If you go for holiday or otherwise will be absent for a long time, for a safety precaution, please unplug the power cord from the AC mains or press the mains power switch to move it from ON to OFF.

WARRANTY SERVICE

1. This product(s) is (are) warranted for a period of ONE YEAR beginning from the date of purchase.
2. The defective product must be returned to your dealer or our company for repair when your requirement is accepted by your dealer or our company.
3. The warranty doesn't extend to any product that has been opened by yourself
4. Tubes and other destructible accessories are not include in warranty. If this happens, please turn to the nearest qualified service center.
5. Damage by purpose or unpurpose, and damage caused by force majeure is not include in warranty. If this happens, please turn to the nearest qualified service center.

NOTICE:

*The information and circuit diagram in this instruction is subject to change without notice.

(I) UNPACKING

Please check carefully whether or not there is any damage with the carton before unpacking. Put it on a flat surface with the arrow upward, then unpack the carton and you will find: VACUUM TUBE AMPLIFIER and SOME Attachment

PROPOSITION: Please save the carton and packing material, they will be helpful if you need to move your unit

NOTICE:

*Please check whether your line voltage is the same as that market on this unit, If not, please contact your dealer or our company.

MODEL FV-34B-V

(II) INSTALLING TUBES

Refer to the installation illustrations on page -, install the tubes to the suitable sockets on chassis.

NOTE:

*Be sure to disconnect the power cord before you perform these installing prodcedures.

(III) CONNECTING

Select the suitable input socket on the rear panel for your sound source and set the in-put selector to the correct position, connect the amplifier to the sound source with the signal wire. Don't confuse "L" with "R". Select the suitable output impedance terminals on the rear panel for your speaker, connect the amplifier to the speaker with specialized audio cable. Be sure to connect only Positive (+) cords to Positive (+) terminals, and Negative (-) cords to Negative(-) terminals.

Then connect the power cord. At first plug the power cord into the power socket on the rear panel, and come next plug the other end of power cord into a power outlet.

NOTE:

*The power outlet which the amplifier power cord is connected to must be the 3-pin grounding type.

(IV) TURNING ON

When you are sure the connections are correct, adjust the "VOLUME" to the lowest position and turn on the amplifier by pressing the "POWER" button then the indication lamp will light up, indicating the amplifier is normal. Then you will enjoy the music by adjusting the "VOLUME" and selecting the "ENHANCEMENT" while your sound source is working.

NOTE:

*To prevent damage to circuit, never short-circuit Positive (+) and Negative (-) speaker terminals.

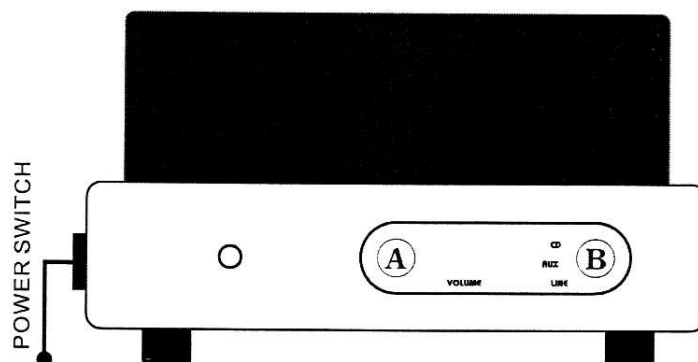
*Be sure to set the "VOLUME" control to the lowest position before turning on.

BEFORE REPAIR

- (1) Turn off the power supply. Using a 10 Ω , 10W resistor, connect both ends of power supply capacitors in order to discharge the voltage.
- (2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50/60 Hz in NO SIGNAL mode is should be shown below with respect to supply normal voltage.

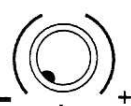
MODEL FV-34B-V

FRONT PANEL CONTROL



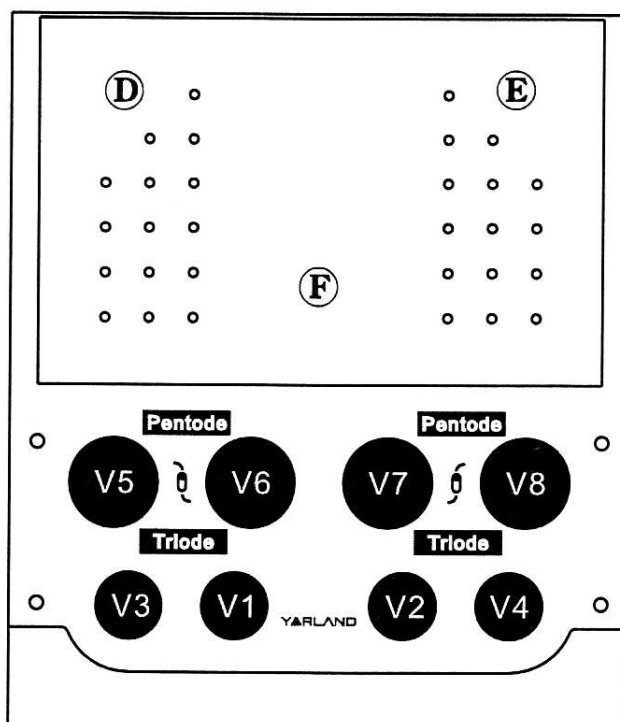
Ⓐ Volume control

Counterclockwise rotation
reduction volume



Volume controller

Ⓑ INPUT SELECT : LINE / AUX / CD



Pentode and triode switch:

The amplifier with PENTODE, please select "PENTODE"

The amplifier with TRIODE, please select "TRIODE"

MODEL FV-34B-V

INSTALL VACUUM TUBE

① Power transformer

Note: When the amplifier is operating, the transformer will be heated, the temperature of the cover may reach to 50°C, this is normal, Please keep it away from any product inflammable.

② Audio transformer

③ Audio transformer

REMARK

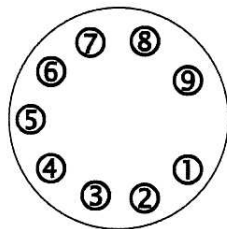
POWER TUBE V5/V6/V7/V8 : EL34 / 6CA7 / KT66

DRIVE TUBE V2/V3 : 6N3 or 5670 SIGNAL TUBE V1/V2 : 6N2

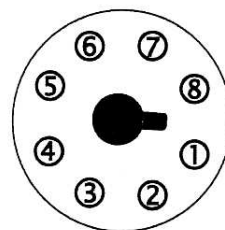
ATTENTION FOR THE FIRST TIME USE OF TUBE AMPLIFIER

Please take out the tubes from their original box, and then plug them into their respective sockets according to their respective No., please make feet of the plug to reach socket base.

Note: When you plug the tubes into their sockets, Please sway the tube slightly in order to make them to be plugged into sockets properly.



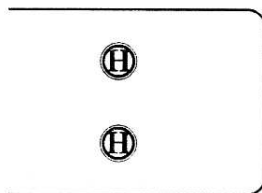
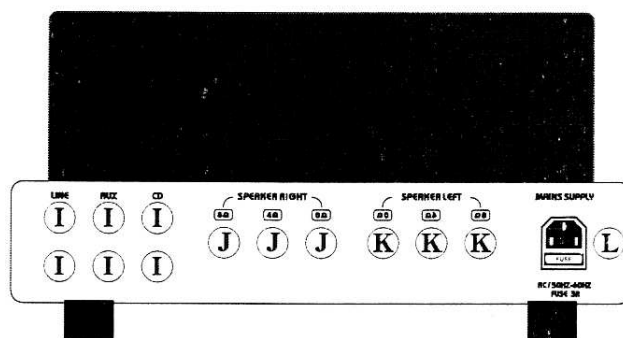
Nine feet
tube sockets



Octal socket

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REARWARD CONTROL

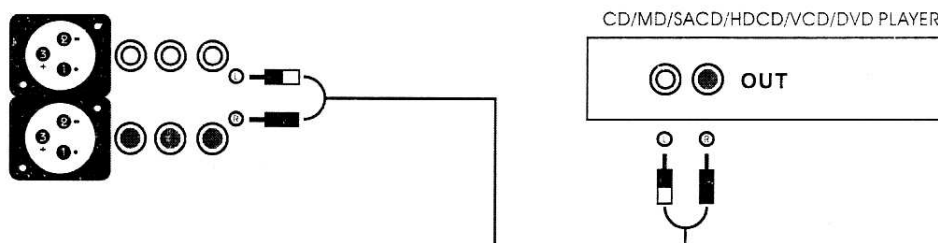


Ⓜ LINE OUTPUT :the signal output without amplification.
To the subwoofer or other audio amplification equipment.

Ⓢ LINE / CD / AUX terminals

Connection to any linear level output unit, like Tuner, VCR, DVD and so on, But Can not connect analogue signal source like turntable.

CONNECTION TO "CD"/"AUX" EQUIPMENTS



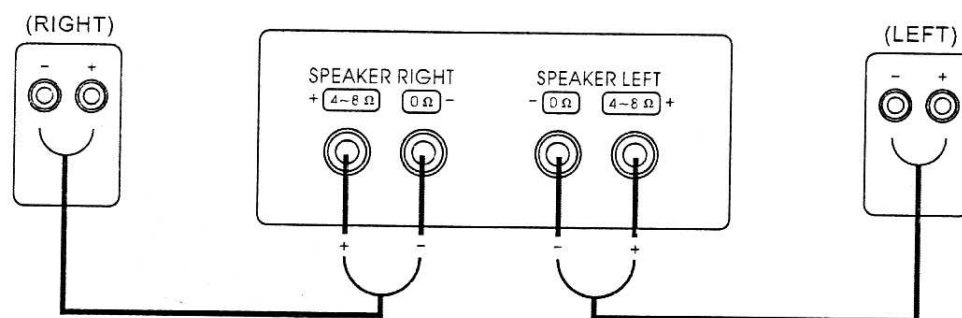
Ⓤ "RIGHT" speakers terminals

Ⓚ "LEFT" speakers terminals

Connection to louder speakers

Please connect your amplifier to louder speakers according to their rated impedance, If the rated impedance of louder speakers is 4 ohms, please connect louder speaker cable to 0 ohms and 4ohms terminals which is indicated at the back of the product, If the rated impedance of louder speakers is 8 ohms, please connect louder speaker cable to 0 ohms and 8 ohms terminals which is indicated at the back of the product; 0 ohms terminal is negative pole and 4/8 ohms terminal is positive pole.

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WARNING

Please do not use spanner, pliers and so on to fasten cables to the terminals too tight or, cause it will probably lead damage of the terminals, and we don't provide warranty to such damage.

Please connect the right speaker to the terminals marked with "R" at back of the product, and connect the left speaker to the terminals marked with "L" at back of the product

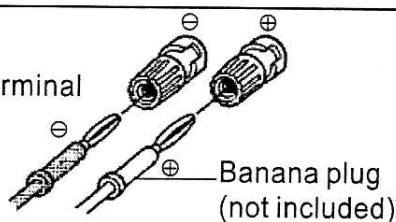
Please connect Red (+ pole) terminal of amplifier to the red (+ pole, 8/4 ohm) terminal of speaker, and meanwhile connect Black (or white, - pole) terminal of amplifier to the black (or white, - pole, 0 ohm) terminal of speaker.

Please make it sure that no cables are mis-connected to avoid short circuit which will lead serious damage of products.

For (EB) area

When using banana plugs

Use with the speaker terminal knob tightened completely.

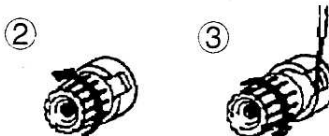


To connect cords to terminals

- ① Strip off the outer covering, and twist the center conductor.



- ② Turn completely to the left.



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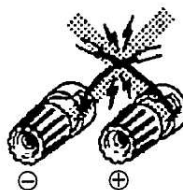
TECHNICAL PARAMETERS

- ③ Insert the wire and turn completely to the right. Pull the cord to assure a proper connection.

Note: Be sure to only connect positive (+) cords to positive (+) terminals, and negative (-) cords to negative (-) terminals.

Note:

To prevent damage to circuitry, never short-circuit the positive(+) and negative (-) speaker wires.



Ⓘ Power source plug

- power Tube: EL34 * 4
- impulse Tube: 6N3 or 5670 * 2 Signal Tube: 6N2 * 2
- working State: Class A / Push-pull
- bias Voltage State: Self-bias
- rated Full - Power Bandwidth: 4~8ohms - 20hz To 40khz +/-1db
- maximum Output Power(Pentode): 40w
- maximum Output Power(triode): 18w
- output Load Impedance: 4ohm and 8ohm.
- snr: 89db
- channel Balance: <0.5db
- input Impedance At 1khz: 100k
- input Terminal: Cd / Aux / Line
- output Terminal: one group
- power Consumption: 320w
- product Size: 280 * 330 * 200(mm)
- weight: 18 Kg

ATTACHMENT

- an Amplifier Of Model FV-34B-V
- vacuum Tube / Instructions / Power Cable / A Pair Of Gloves

MODEL FV-34B-V

ARIAND



ARIAND SOUND APPLIANCES FACTORY OF CHINA.

[ADDRESS]

PUGONG ROADS NO.16 TO WENZHOU OF ZHEJIANG PROVINCE

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