



LP-33 Phono User Manual



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Thank you very much for choosing our product, please read through this user manual first unless you know what you doing.

Table of Contents

Thanks for choosing our Line Magnetic LP-33 Phono Amplifier as an important part of your music system and please read the manual carefully before installation and operation.

Table of Contents ----- 01

Package Contents ----- 02

Product Features ----- 02

Specification ----- 03

Safety Precautions ----- 04

Functions Description ----- 05

Functions Description----- 06

Connection ----- 07

Power On ----- 08

Maintenance ----- 09

Warranty Statement ----- 09

Troubleshooting ----- 10

Notice:

This product uses original factory components designed by our company to achieve optimal performance. We are not responsible for any damage or accidents caused by the use of non-original factory components. If non-original factory components are used, any damage to the product will not be covered under warranty.

Package Contents

Before unpacking, carefully check for any signs of impact, damage or moisture. Place the packaging box with the arrow pointing upwards. Open the packaging box, and the packing list is as follows:

- | | |
|---------------------|----|
| 1. LP-33 MAIN | *1 |
| 2. LP-33 POWER | *1 |
| 3. Connection cable | *2 |
| 4. Power cord | *1 |
| 5. User Manual | *1 |

Attention:

Before plug in the power cord, please double check whether the voltage indicated on the back panel of the device matches the local voltage. If not match, it may cause damage to the amp even fire. Please contact the local dealer or us.

Recommendation:

Please retain all packaging materials, as you may need to repack the unit for future transportation.

Product Features & Specification

- **Separate-chassis, multi-layer shielding architecture:**Blocks interference from the power section and ambient electromagnetic noise, keeping the amplification path clean and quiet.
- **High-permeability EI-19 nickel laminations with a permalloy shell** Ensures the phono cartridge’s micro-volt signal is amplified at high gain in a disturbance-free environment with black background and better micro-detail.
- **Three ECC803S (JJ) tubes** deliver low-noise, high-linearity amplification with vivid dynamics and natural timbre.
- **German Mundorf MCap SUPREME audiophile coupling capacitors** for clarity and texture; Nichicon and Rubycon electrolytics provide low-noise power-supply filtering and rock-solid stability.

Troubleshooting

Please follow the instruction in the manual in order to keep the amplifier work in its best state. If wrongly operated and you thought that would be troubles please check according to following tips to look for the exact reason. Sometimes problems would be caused by the other related products and please have a check too on those connections. Even doing so, if the problem still exists please contact with your local agent or our company.

Problem		Cause	Remedy
NO OUTPUT	Power LED is OFF.	Power cord is not well-connected	Please check the power cable connection or power outlet connection
		Main fuse is out.	Replace with the same type and value fuse
		Troubles of inner parts or components	Please contact with local agents or our company.
	Power LED is ON.	Volume is at ZERO	Turn up the Volume
		NO signal input	Check the function of the sound source
			Check the input selection and switch to the proper input.
Sound Distortion	High input signal level	Turn down the volume to suitable position	
Noise output	Ground of input signal cable is open or bad contact of the input signal cable	Replace the input signal cable with a new one	
	Components or circuits are in trouble	Please contact with local agents or our company.	
Sound field Positioning is not so good.	Signal input cables or speaker cables are wrongly connected	Reconnect it as suggested in the manual	

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Specification

Frequency Response:20Hz~20kHz (-1 .5dB)	
Dimensions (W*D*H) 302*131*139 170*113*81	
Power supply:~115V/120V/220V/230V/240VV+5% (50Hz/60Hz)	
Sensitivity:MM:6mV MC(H):1mV MC(L):0.5mV	
Gain:MM:50dB MC(H):66dB MC(L):72dB	
S/N ratio: MC:60dB MM:70dB	
Working Condition: Temperature:0℃ ~40℃ Moisture:2% ~ 80%	
THD:0.15% (1kHz)	
Storage Condition: Temperature:-20℃ ~70℃ ,Moisture:2%~90%	
The degree of separation for left and right channel: MM:-65dB MC:-50dB	
Input Impedance: MC: Low 47Ω , High 100Ω MM: ≈50KΩ	
Power consumption: 20W	
Net Weight: 6.5KG	Output Impedance: 10KΩ

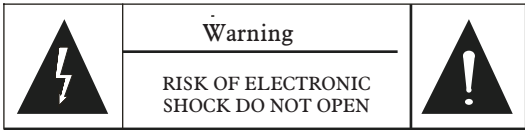
Safety precautions

- 1: the power cord should be unplugged to prevent accidental incidents when amplifier is not going to be turn on for an extended period of time.
- 2: The surface temperature of amplifier will rise under the working condition, do not block the ventilation hole and put amplifier in a well-ventilated area. Lack of ventilation could cause the internal temperature to rise excessively leading to malfunctions or even burn up.
- 3: Forbidden to operate as unload.
- 4: In working condition, the output end should not be left open or short-circuited to prevent damage to amplifier.
- 5: Do not attempt any internal maintenance unless you know what you doing, specially some of internal components are electriferous.
- 6: we are not responsible for any performance deterioration or damage caused by internal modifications. Any repairs must be carried out by professional maintenance personnel.
- 7: This product must not be exposed under dripping or splashing water. It could cause some serious damage to this product.
- 8: Clean the panel and external device with a soft rag periodically. Forbidden to use any type of diluent, alcohol or other volatile liquids for cleaning as they can damage the surface layer and cause stains even erase various markings. Do not use insecticides any where near amplifier.
- 9: Handle with care when moving to avoid any damage to the amplifier.
- 10: During thunderstorms, unplug the power cord from the socket to prevent lightning damage to the amplifier.

Recommendation：Before you install the amplifier, please double check that other related equipment is well connected and ready.

- The following precautions should be taken when placing the amplifier:
- 1: Do not place the amplifier in direct sunlight or near other heat sources.
 - 2: To prevent overheating, ensure that the amplifier's heat dissipation vents are not covered by other objects.
 - 3: Avoid moisture or dust.
 - 4: When placing the amplifier, ensure easy connection to the power supply and other related equipment.
 - 5: This amplifier should be placed stably, with all four feet evenly supported.
 - 6: Maintain a distance of at least 15cm between the power amplifier and surrounding walls.

Safety precautions



WARNING: To prevent the risk of electric shock, do not remove the outer casing (or bottom cover); if repairs are needed, please contact a professional service technician. To avoid fire and electric shock hazards, do not expose this unit to rain or moisture.



The lightning arrow inside the equilateral triangle is used for remind user to pay attention to the uninsulated danger voltage inside the shell. The value of voltage are quite high can pose an electric shock.

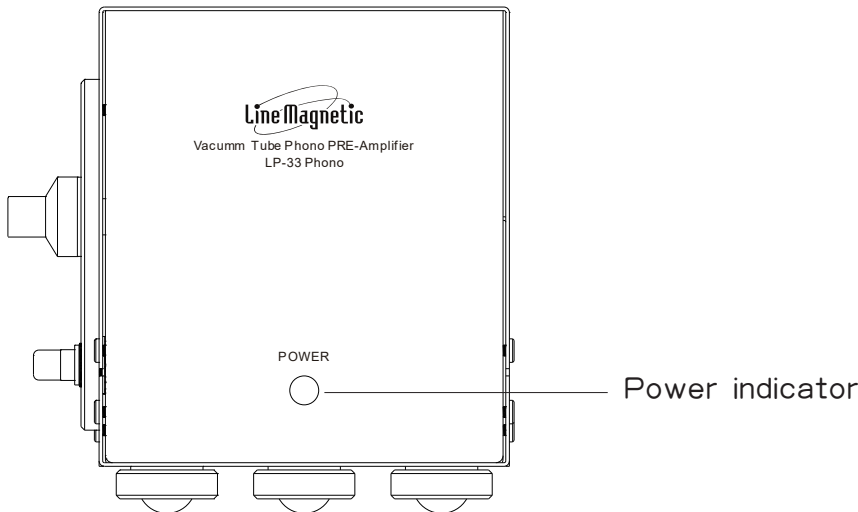


The warring mark inside equilateral triangle is used to remind user to pay attention to important operational/maintenance instructions mentioned in the manual.

The designed power supply voltage for this amplifier is ~115V/120V/220V/230V/240AC±5%, its is important to confirm that whether the power supply voltage meets the requirements.Otherwise it may cause this amplifier malfunction or even harm its lifespan. This product is for non-tropical climate conditions and only suitable for altitudes where below 2000 meters.

Functions Description

Front Panel:

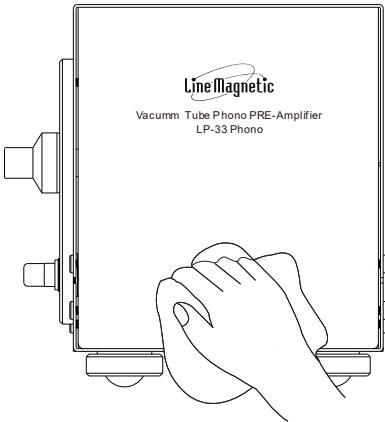


Tube Replacement

Tubes complement	Common Replacements
ECC803S	12AX7EH、ECC83、CV4004、ECC803、5751、12AX7
6Z4	6u4n、6X4、EZ90、U78、6Z31

Maintenance

Clean the amplifier with soft dry rag, please do not use any chemicals for cleaning.



Warranty Statement

Terms & Conditions:

All products from Line Magnetic are guaranteed for one year from the date of purchase (excluding electronic tube parts), six-month warranty for tubes. No fees are charged during the warranty period. Amp which requiring repair must be carefully packaged and sent to our company or the dealer where Amp were purchased. We are responsible for repairing machines during the warranty period, with no charge for component fees, labor costs, or shipping fees. The following situations are not covered by the warranty:

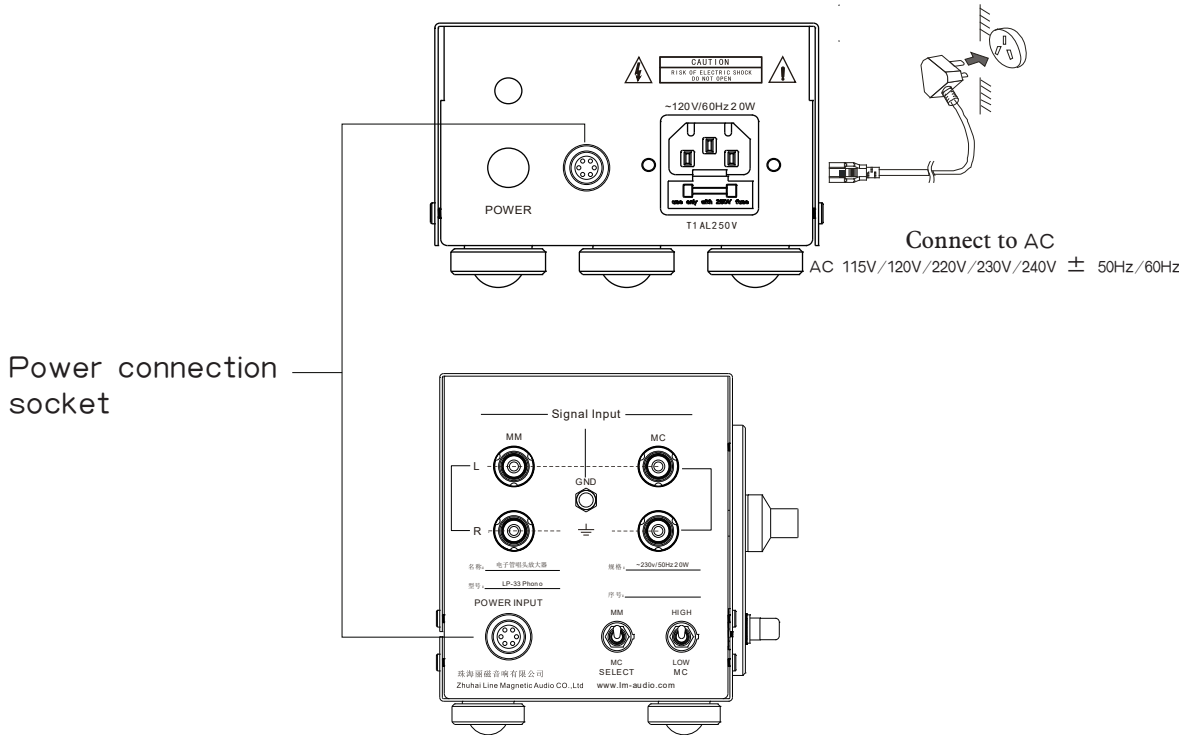
- 1. Machines that have been repaired or adjusted by anyone without authorization by Line Magnetic.
 - 2. Damage caused by misuse or abuse, transportation, or negligence, which is not covered by the warranty.
 - 3. Damage to other equipment caused by the use of our products is not covered by the warranty service.
 - 4. Damage determined to be caused by abuse is not covered by the warranty.
- All warranties are subject to this warranty statement. Warranties are valid for the original purchaser only and its not transferable.

Note: We reserve the right to upgrade this manual without further notice.

Power On

IMPORTANT: BEFORE TURNING ON THE AMPLIFIER:

Connect the speaker cable and signal cable first and then plug the power cord of amplifier into the power socket.

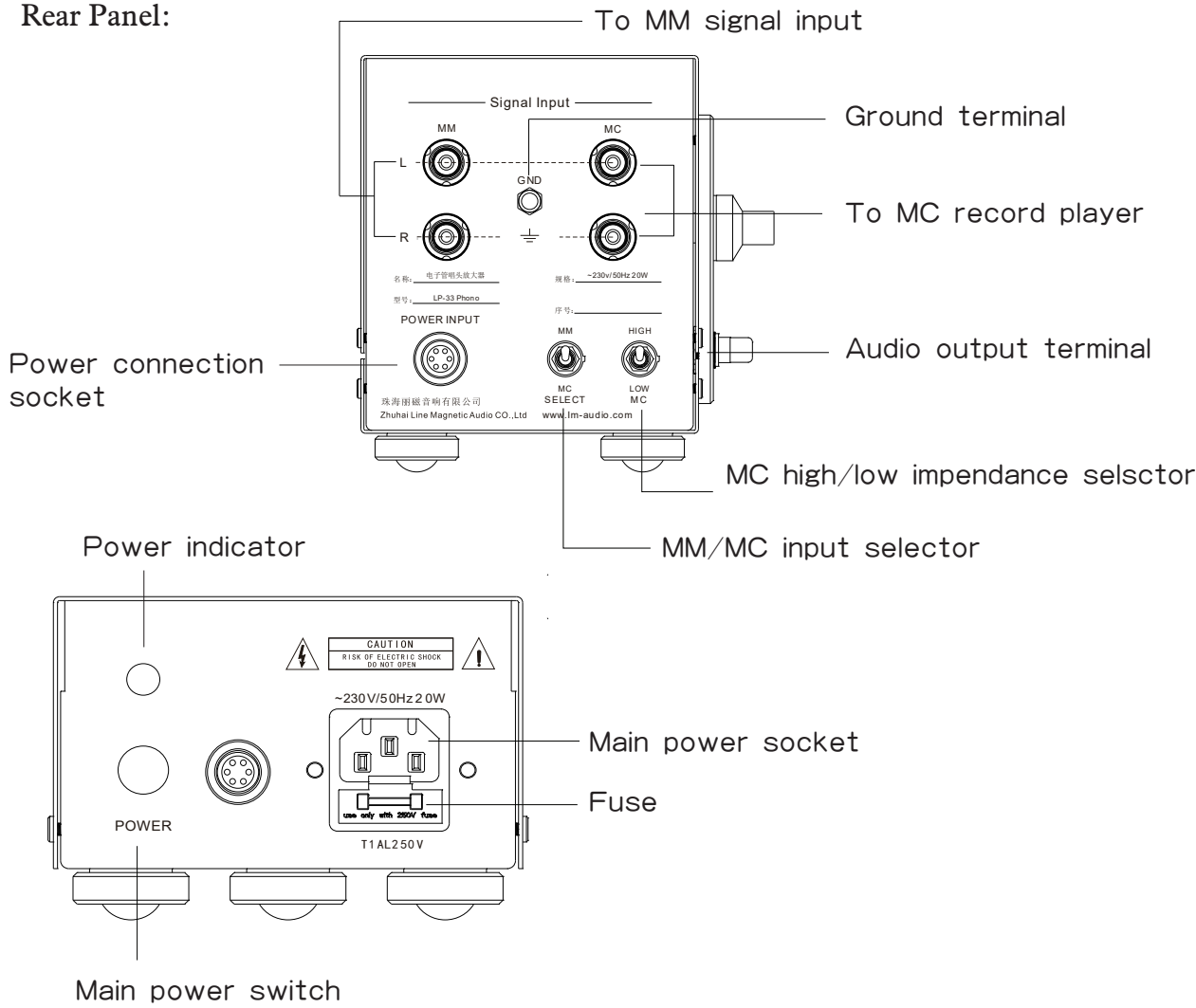


- Note: 1: It is normal for the power transformer of this unit to generate heat during prolonged use.
2: If the unit will not be used for a long time, please unplug the power cord.
3: Turn on the power only after all other related equipment include the speaker is well connected.
4: Forbidden to plug or unplug signal lines or speaker cable while your audio system is turning on to avoid damaging amplifier.
5: After switch off the power, you should wait for 2 minutes before turning on the power again for the sake of tubes lifespan.

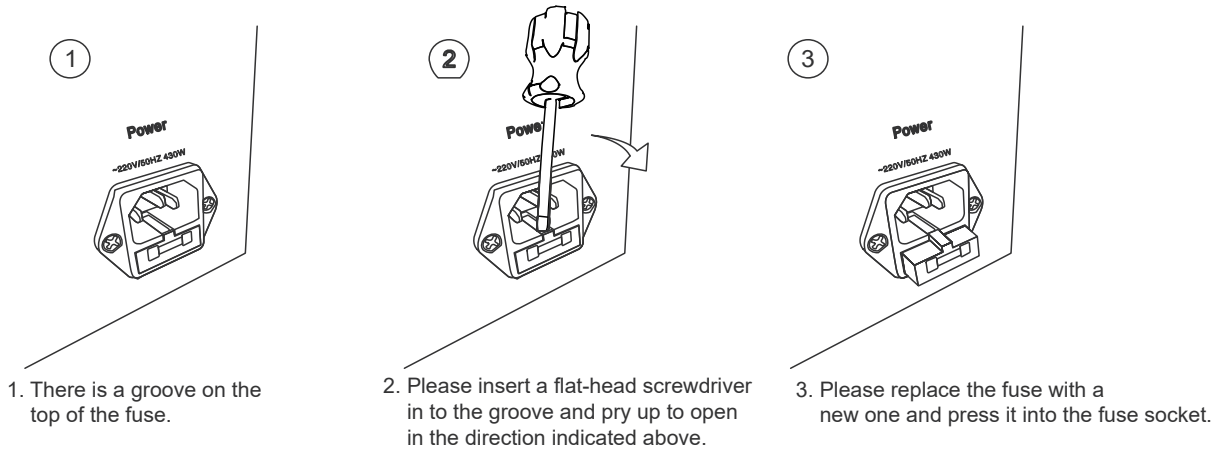
Warning: The voltage of your power supply must match the voltage marked on the back panel of the device. Our company will not be responsible for any fire or other accidents cause by any voltage other than the specified one.

Functions Description

Rear Panel:

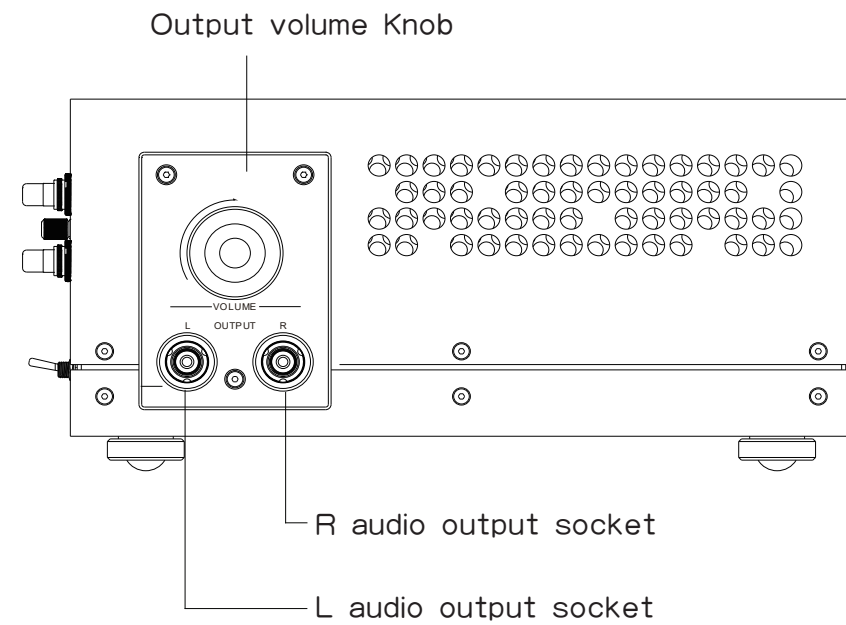


Instructions on Fuse Replacement:



Functions Description

Side Panel:



Overview from the top:
V1, V2, V3, V4: EL34; V5, V6, V7, V8.....

Turn on the amplifier and wait for around ten minutes. Choose and turn the Bias current knob to V1 and then adjust V1 (BIAS ADJ.). Inspect the ampere meter on the front panel and make sure $I_a=35\text{mA}$. If you have any questions please contact with local service agent. See picture showing the detail:

Current adjustment of V2, V3, V4 are the same and please adjust the corresponding BIAS ADJ and make sure all the bias level of V1, V2, V3 and V4 are the same.

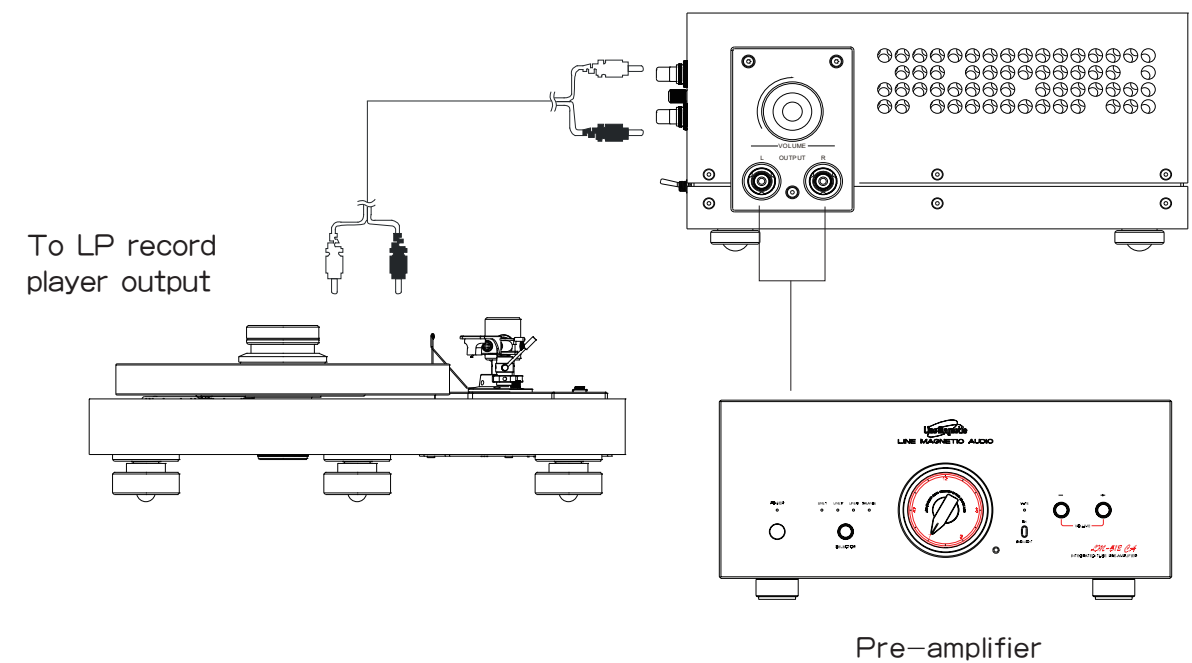
V03、V04: 300B V05、V07: 6SN7 V06: 6SL7

Note: 1. Be careful of the high temperature of the tubes during operation.
2. Driver tubes and Power tubes must be matched for better results.

Connection

Audio Connection

This section describes the standard method for connecting main equipment to the LP-33 PHONO



Audio Connection Instructions:

- 1: Please always refer to the manual provided from other device when you connect them to the amplifier.
- 2: Do not plug in the power cord until all other equipment is well connected.
- 3: Red terminal (R) is for right channel, black terminal (L) is for left channel.
- 4: Make sure the cable connection is firmly, improper connections may cause noise, poor performance even equipment damage.
- 5: Do not bundle the audio cable with power cords and speaker cables, it will effect the sound quality.

Power ON

Please double check all connections and power supply voltage before turning on.

- 1: The power indicator will turn on once you turn on the power, the working status indicator will flash.
- 2: After 30 seconds, the working status indicator will turn on indicate that amplifier is already operating normally.
If the working status indicator remains off, its represent the internal fault of amplifier please turn off the power immediately then contact your local dealer or our company.
- 3: After your audio source is working properly, you can enjoy high-quality music by selecting the correct channel of audio source and adjusting volume knob to appropriate volume.