

LUXMAN

VACUUM TUBE STEREO POWER AMPLIFIER

MQ-88u

*Owner's Manual*



# Contents

Precautions.....

Names and Functions.....

Connections.....

Block Diagram .....

Specifications .....

Troubleshooting.....

1

2

4

6

7

8

# Precautions

## Installation place

This unit shall be installed in a well-ventilated and effectively heat-released place.

Especially, installation of this unit where direct sunlight is present, where the temperature rises excessively high such as close to a heater, or where it is humid or dusty may cause a malfunction even if heat is efficiently released. Therefore, do not install this unit in such places.

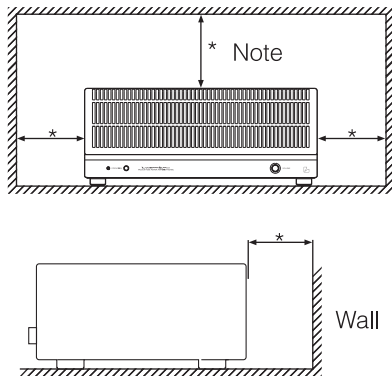
## Ventilation holes

Do not block the faces because this product is a heat-generating amplifier that contains vacuum tubes.

If the amplifier is installed on a rack or the like, secure ample space for cooling and leave the door open. Do not pile up other things on the amplifier and never put articles on it. This can cause malfunctioning.

Note:

For heat dispersal, do not install this equipment in a confined space such as a book case or similar unit.



## Precautions in connecting with other components

When connecting this product to input devices such as a control amplifier, a CD player, a Super Audio CD player, a tuner, and a recorder, be sure to turn

off the power of this product and all other connected devices. Failure to observe this may generate a strong noise resulting in speaker damage or cause a malfunction.

The pin-plug to be inserted in each input terminal of this product shall be pushed in firmly. If the grounding terminal is inadequately connected, noises including hum may be generated, resulting in an adverse S/N ratio.

## Cautions in connecting speakers

When making speaker system connections, exercise extra care not to short-circuit between  $\oplus$  and  $\ominus$  of the speaker terminals and speaker input terminals of this product. If a large signal is applied to the amplifier with its circuit left short-circuited, a large current may be passed through the output circuit and cause a malfunction.

## Repair and adjustments

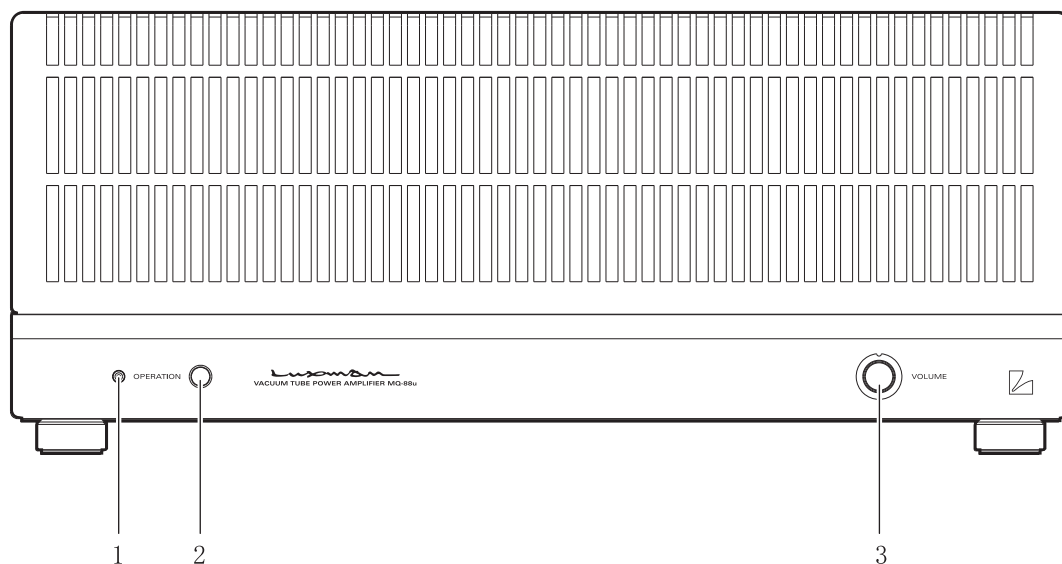
When repairs or adjustments are needed, please ask your dealer where you bought the product.

## Cleaning

For cleaning, use a piece of soft cloth to wipe the product such as cleaning cloth available on the market. If the product has become remarkably dirty, remove the dirt with soft cloth absorbing a small amount of neutral detergent, and then wipe the unit with dry cloth. Do not use a solvent like benzine or thinner because such a substance can often damage the exterior.

# Names and Functions

*luxman*  
VACUUM TUBE STEREO POWER AMPLIFIER MQ-88u



## 1. Power indicator (OPERATION)

When the operation switch is on, this indicator is lit in yellow to indicate that this unit is presently energized.

## 2. Operation switch (OPERATION)

Toggles the power on and off. When connection of the input/output terminals is performed, be sure to turn off this switch. When power is turned off and on again, put 1 minute or more between off and on.

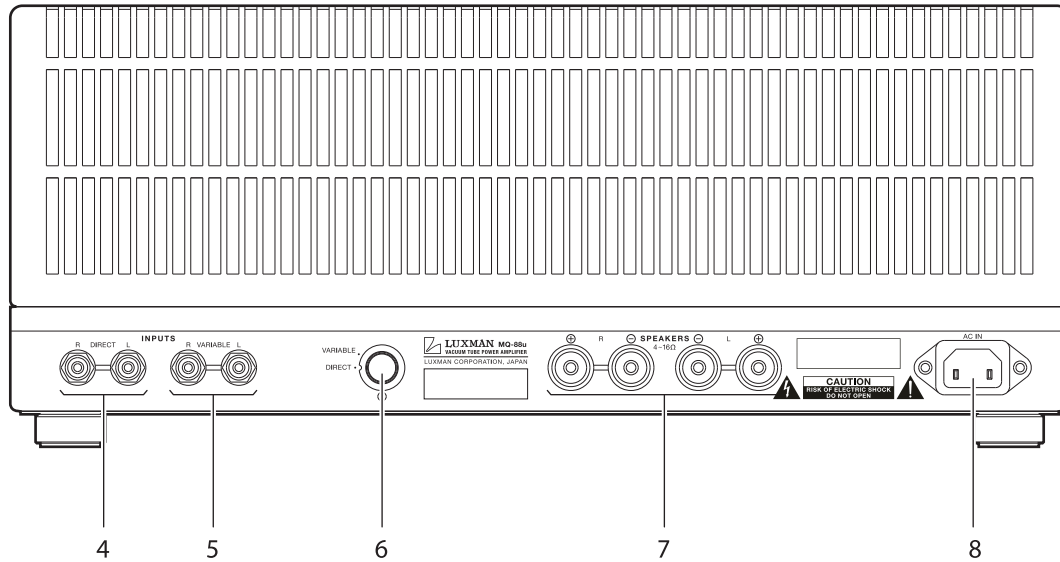
## 3. Volume control (VOLUME)

This function is effective only when a source component such as a CD player is connected to the VARIABLE input of this unit.

### CAUTION

When the DIRECT input, this volume control does not function.

# Names and Functions



## 4. Direct input terminals (DIRECT)

Connects to a control amplifier, or a source component, e.g. a CD player with output level control.

The volume control of front panel does not function.

## 5. Variable input terminals (VARIABLE)

Connects to a source component, e.g. a CD player without output level control.

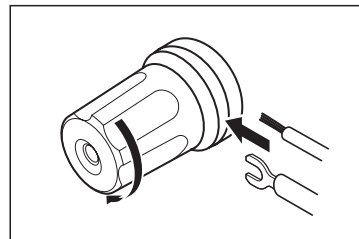
Adjust the sound volume at the volume control of front panel.

## 6. Input selector (VARIABLE/DIRECT)

Select variable and direct inputs.

## 7. Speaker output terminals (SPEAKERS)

Connects a speaker system. The right speaker terminal shall be connected to the R side, and the left speaker terminal shall be connected to the L side in consideration of the polarity ( $\oplus$  and  $\ominus$ )

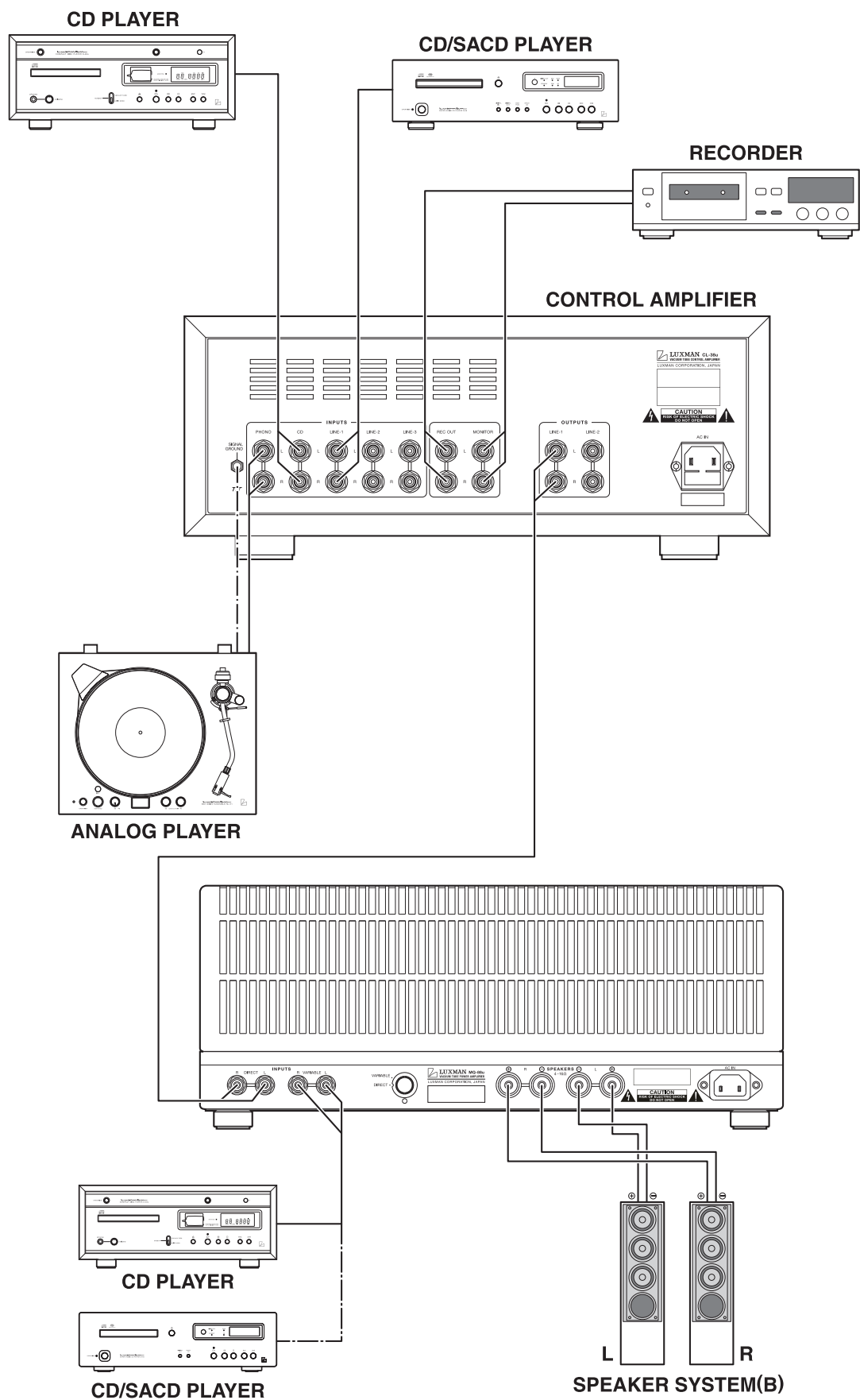


## 8. AC inlet (AC IN)

The accessory power cable is connected. The power should be obtained from a wall outlet.

# Connections

*Luxman*  
VACUUM TUBE STEREO POWER AMPLIFIER MQ-88u



# Connections

---

## Before connections

Before connecting other devices, connect of the accessory power cables to the AC inlets of MQ-88u power amplifier. When connection is performed, turn off the operation switches of these units and all other connected devices to prevent an accident caused by unexpected noise.

## How to connect power supply

Use the accessory power cables and insert the AC plugs in outlets on the wall in the room where the unit will be installed.

## How to connect control amplifier, CD player

Connect the output terminal of a control amplifier to the DIRECT input terminal with 2(Rand L) pin-plug cables.

Connect the output terminal of a CD player without output level control to the VARIABLE input terminal.

Select DIRECT and VARIABLE inputs with the input selector.

## How to connect speakers

Connect the right-channel speaker to the right speaker terminal of the MQ-88u power amplifier and the left-channel speaker to the left speaker terminal. Correctly connect the  $\oplus$  terminal of the speaker system to the speaker terminal  $\oplus$  (red) of this unit and also the  $\ominus$  terminal of the speaker system to the speaker terminal  $\ominus$  (black) of this unit. If the  $\oplus$  or  $\ominus$  terminal is reversely connected one side of the right or left speaker, the acoustic phases of the sound played from the right and left speaker systems are also reversed. The sound level in low range will be reduced and the acoustic stability will worsen, thus failing in normal stereo playback.

---

## Safety cautions

---



## Caution

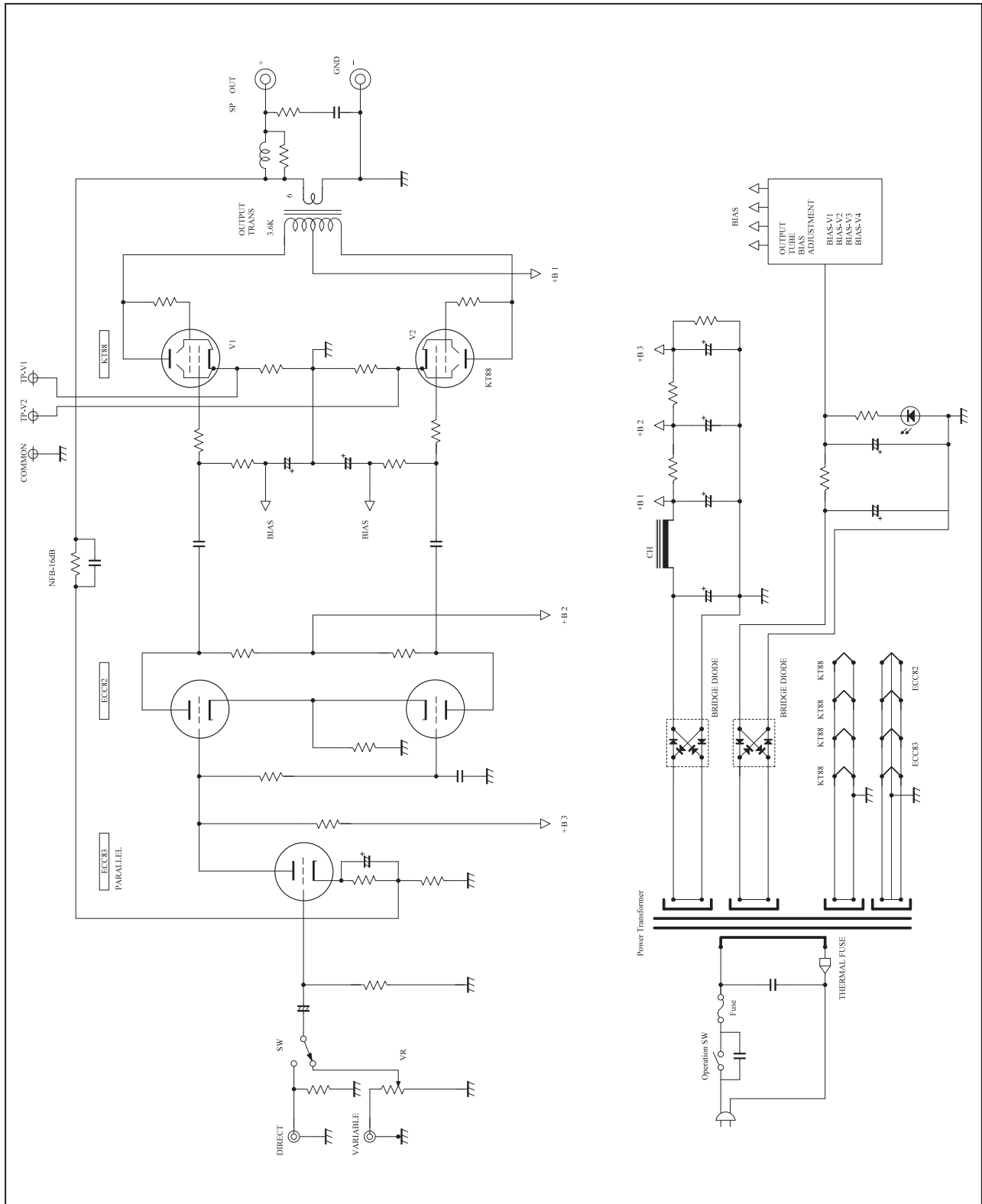


This unit is a vacuum tube power amplifier. Be careful not to touch this product with your bare hand because this product becomes hot in the power-on state. For safety, do not use this product in a place where children or unchained animals are present.

---



# Block Diagram



# Specifications

---

Continuous Rated Output	25W + 25W (6Ω)
	20W + 20W (4Ω, 8Ω)
Total Harmonic Distortion	0.15% (1kHz, 6Ω, 1W)
	0.5% (20Hz~20kHz, 6Ω, 1W)
Input Sensitivity	790mV/25W
Input Impedance	100kΩ
S/N Ratio	105dB (IHF, A-weighted, Input Shorted)
Frequency Response	20Hz - 20kHz (+0, -1.0dB)
	10Hz - 65kHz (+0, -3.0dB)
Inputs	Switchable: 1 x Direct input, 1 x Variable input
Outputs	Heavy Duty Binding Speaker Terminals
Vacuum Tubes Used	2 x ECC83, 2 x ECC82, 4 x KT88
Accessories	Power Cable, Terminal Protection Cap,
	Owner's Manual, Safety Cautions
Power Supply Voltage	230V~50Hz
Power Consumption	220W
	150W (no signal)
Dimensions (W × H × D)	440 × 184 × 230 (mm)
Weight	15.8kg

\* Specifications and appearance are subject to change without notice.

# Troubleshooting

While the unit is used, an unusual phenomenon may be confused as a malfunction for a certain reason. Prior to asking us for repair services, please check the table below and read the instruction manual for the subsidiary devices. If the cause of the malfunction cannot be identified, please contact your dealer.

Problem	Cause	Solution
No power is supplied even though the operation switch is pressed ON.	• The power plug is disconnected from the wall outlet, or it is not completely inserted.	• Insert the power plug in the wall outlet securely.
	• The power plug is disconnected from the AC inlet, or it is not inserted completely.	• Insert the power plug in the wall outlet securely.
No sound is generated.	• The volume control is set to the minimum level.	• Rotate the volume control clockwise to adjust the sound volume.
	• The input selector is not set in the playback source position.	• Set the input selector in the playback source position.
	• Cable connections are incomplete.	• Make cable connections securely.
	• The output level of the input device is set to the minimum position.	• Adjust the output level.
No sound comes out on one side.	• The connecting cable is connected on one side only.	• Make cable connections securely.
Humming sound (boon or zzz noise) is generated.	• The ground side of the pin-plug cable has no contact with the terminal.	• Make connections securely so that the ground side of the pin-plug cable makes contact with the terminal.
	• The pin-plug cable and the power cable come close.	• Keep away other cables.
	• The noise receive from other equipment.	• Keep away other equipment.

