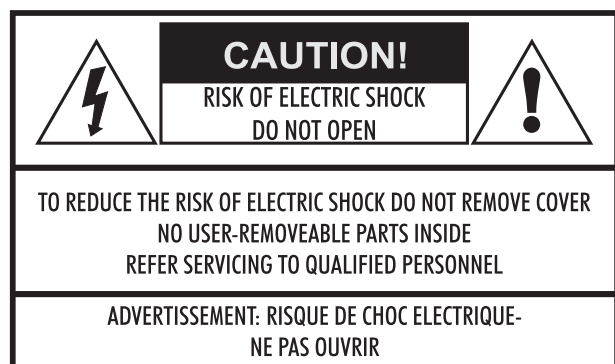




Owner's Manual



Safety Caution



This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

WARNING: To reduce the risk of electric shock, do not remove cover (back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) than produce heat.

Do not defeat the safety purpose of the polarised or grounding plug. A polarised plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong.

The wide blade or the third prong is provided for your safety. If the provided plug does not fit into you outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer.



Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.

When a cart or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

Unplug the apparatus during lightning storms or when unused for long periods of time.

Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

WARNING: The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING: The mains plug/appliance coupler is used as disconnect device shall remain readily operable.



This label tells you that the unit contains a laser component. Opening the unit will expose the user to radiation from the laser beam.



This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.



Correct disposal of this products. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.



Contents



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Thank you for using LUXMAN Headphone Amplifier P-1u.

Please read this manual carefully before using the product to ensure that you can use it appropriately, maximize the function of the product and optimize the playback performance of the music.

After reading this manual, store it together with the warranty and safety instructions at an appropriate place.

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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.

Cautions in connecting input components

When connecting this product to an input device such as a CD player, be sure to turn off the power of this product and other device. Failure to observe this may generate a strong noise resulting in headphone 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 is inadequately connected, noises including hum may be generated, resulting in an adverse S/N ratio.

Protection circuit

This product is equipped with the protection circuit that is activated upon detection of over-current, abnormally high temperature, and DC drift to protect the unit. When the protection circuit is activated, the output to the headphone is shut off and the operation light blinks to show that this unit is in muting state. If the protection circuit is frequently activated after a lapse of a certain time and turning on the power again, please consult your dealer.

The sound is not generated shortly after the power supply is turned on.

This amplifier is equipped with a time muting circuit in order to separate the output circuit. Therefore, no sound is generated shortly after the power supply is turned on. If the volume control is moved to a high sound level before the muting circuit is canceled, a large sound is suddenly generated. Please be advised that the volume control shall be set to a low level at first and adjusted after sound comes out of the headphone.

Repair and adjustment

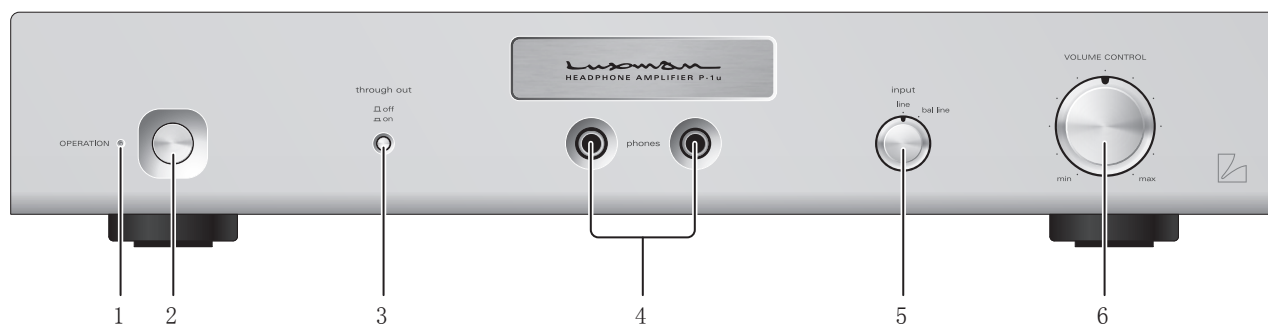
When repairs or adjustments are needed, please consult your dealer where you bought the unit.

Cleaning

For cleaning, use a piece of soft cloth to wipe the unit, such as cleaning cloth available on the market. If the unit has become remarkably dirty, remove the dirt with soft cloth absorbing a small amount of neutral detergent, 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

Front panel



1. Operation indicator

Blinks in the time muting mode when the power switch is turned on and lights up when the operation state is activated.

2. Power switch (OPERATION)

Toggles the power on and off.

When wiring or connection is performed, be sure to turn off this switch.

3. Through out (through out)

Through out on/off switch.

Line input signal pass through to line out in the rear panel, for connected to other amplifier or sources.

4. Phones (phones)

Two sets of headphone (8 ohms or above) can be used.

5. Input (Input)

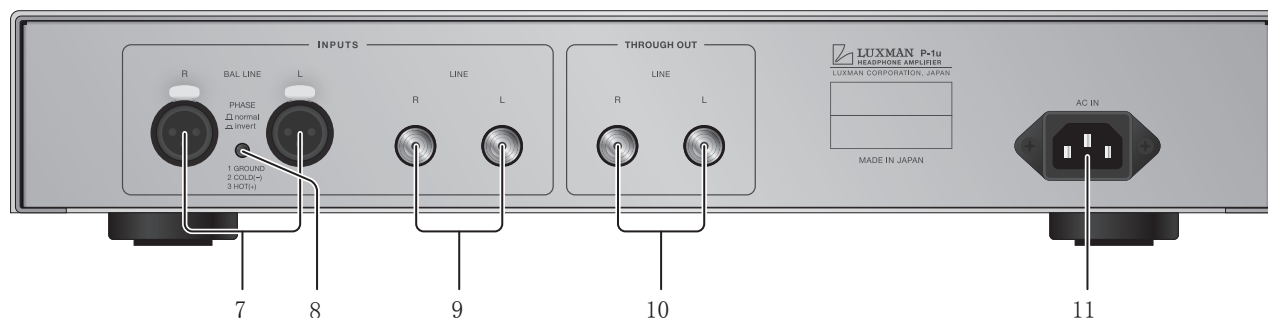
Selector switch for line or balance input.

6. Volume Control (VOLUME CONTROL)

Adjusts the sound volume. Sound is not generated when this control is rotated counterclockwise to the end, and then, the sound volume gradually becomes higher when the control is slowly rotated clockwise.

Names and Functions

Rear panel



7. Input terminals (BAL-LINE)

Are the balance type input terminals of the LINE level for an XLR connector(Cannon connector).

8. Phase inverter (PHASE)

Change the phase when the balance input terminal is used. The phase shall be corresponding to the phase of the input device.

normal position ①GROUND

②COLD

③HOT

invert position ①GROUND

②HOT

③COLD

9. Input terminal (LINE)

Line input terminals for RCA connector.

10. Output terminal (THROUGH OUT)

Line input signal pass through line output, for connected to other amplifier or sources.

11. AC inlet (AC IN)

Connect the accessory power cable.

The power should be obtained from a 115 or 230V AC outlet, not switchable between voltages.

Connections

Before making connections

Before connecting other devices, connect the accessory power cable to the AC inlet of this unit. Turn off the power switch of this unit and the power supplies of the connected devices to prevent unexpected noise.

How to connect power supply

Use the accessory power cable and insert the AC plug in an outlet on the wall.

How to connect CD player or other devices

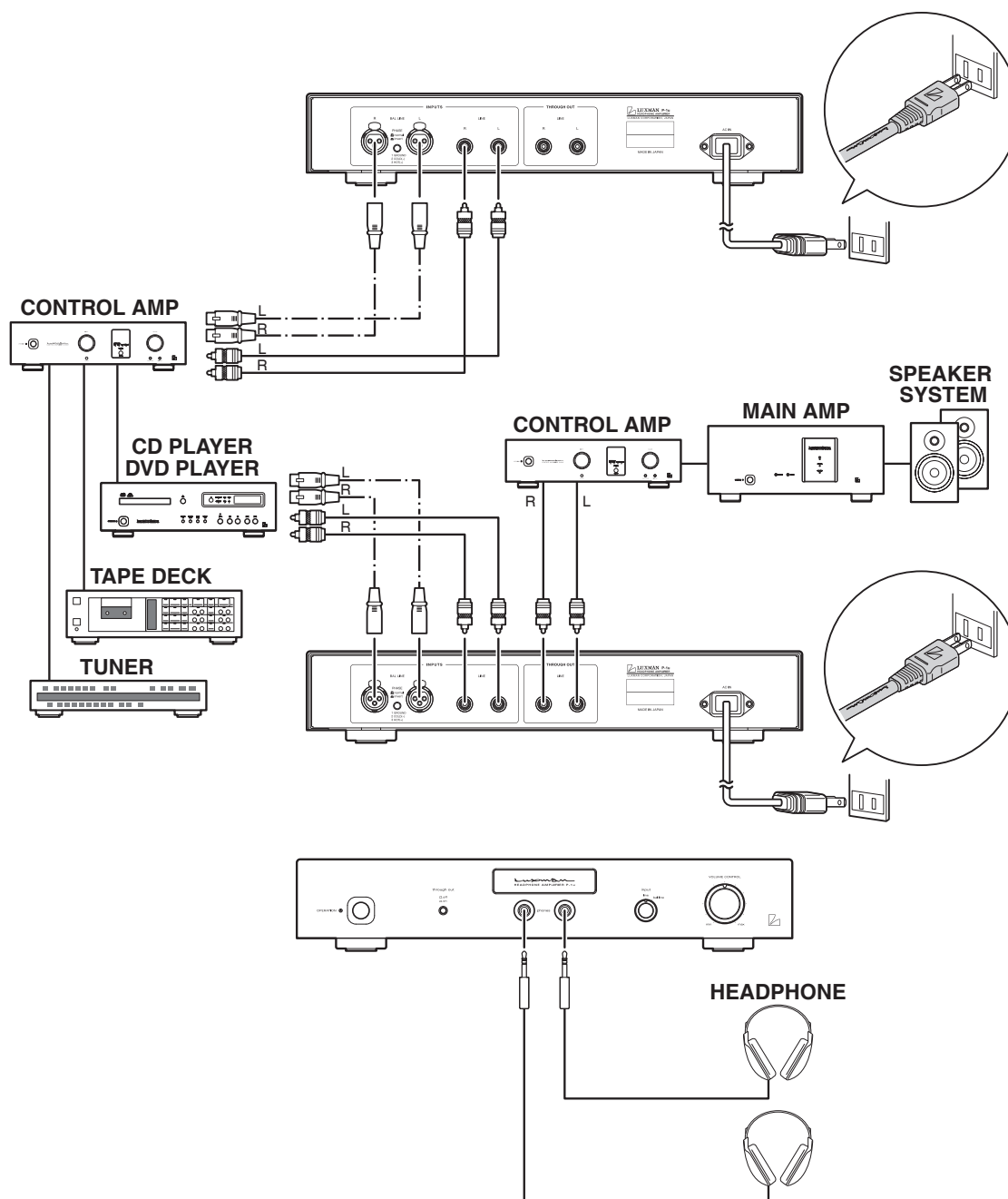
Connect the output terminals of a CD player or TAPE player(rec out) to the line input of this unit, used RCA cables or BALANCE cables.

Phone out

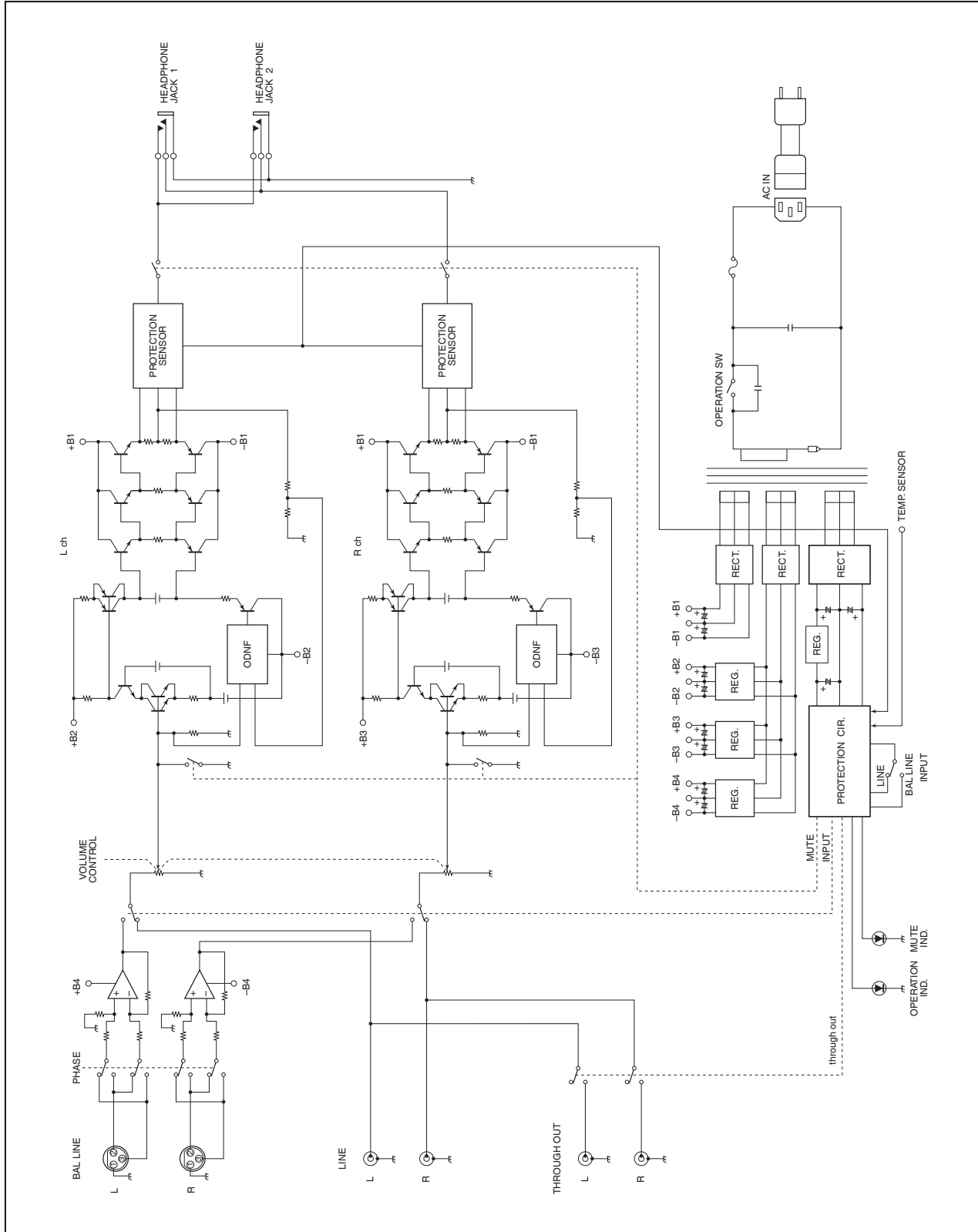
Connectors for headphone with 8 ohms or above. Two sets of headphone can be used.

Through out (line) connection

Input signal pass through line output can be used to connect with amplifier or other devices.



P-1u Block Diagram



Specification



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Continuous power output	2 W/8 Ω , 0.5 W/32 Ω
Input sensitivity	1 V(2 W/8 Ω , 0.5 W/32 Ω)
Input impedance	LINE 26 k Ω (VOLUME CONTROL max./through out OFF) BALLINE 67 k Ω
Total harmonic distortion	0.0025 % (1 kHz, 2 W/8 Ω) 0.02 % (20 Hz ~ 20 kHz, 2 W/8 Ω)
Frequency response	20 Hz ~ 20 kHz +0, -0.1 dB(2 W/8 Ω) 5 Hz ~ 170 kHz +0, -3 dB(2 W/8 Ω)
S/N ratio	115 dB(IHF - A)
Damping Factor	48/8 Ω
Accessories	Power cable、 Owner's Manual
Power supply voltage	AC 115 or 220-230V (50/60Hz)
Power consumption	19W , 9W (idle)
Max. external dimensions	440(W) x 82(H) x 408(D) mm
Net Weight	8.3 kg

※ The right is reserved to alter performance, specification, and appearance as required.

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 power switch is pressed	<ul style="list-style-type: none"> • The power plug is disconnected from the wall outlet, or it is not completely inserted. 	<ul style="list-style-type: none"> • Insert the power plug in the wall outlet securely.
	<ul style="list-style-type: none"> • The power plug is disconnected from the AC inlet, or it is not completely inserted. 	<ul style="list-style-type: none"> • Insert the power plug in the AC inlet securely.
No sound is generated	<ul style="list-style-type: none"> • The volume control is set to minimum level. 	<ul style="list-style-type: none"> • Rotate the volume control clockwise to adjust the sound volume.
	<ul style="list-style-type: none"> • Cable connections are incomplete. 	<ul style="list-style-type: none"> • Make cable connections securely.
	<ul style="list-style-type: none"> • The input selector is not set to the input source. 	<ul style="list-style-type: none"> • Set the input selector to the input source.
	<ul style="list-style-type: none"> • The output level of the input device is set to the minimum. 	<ul style="list-style-type: none"> • Adjust the output level.
No sound is generated on one side	<ul style="list-style-type: none"> • The balance control of the input source is fully rotated. 	<ul style="list-style-type: none"> • The balance control shall be set to the center.
	<ul style="list-style-type: none"> • The connecting cable is connected on one side only. 	<ul style="list-style-type: none"> • Make cable connections securely.
Through out line no signal	<ul style="list-style-type: none"> • Through out switch set to off. 	<ul style="list-style-type: none"> • Set the through out switch to on.
Humming sound (boon or zzz noise) is generated	<ul style="list-style-type: none"> • The ground side of the pin-plug cable has no contact with the terminal. 	<ul style="list-style-type: none"> • Make connection securely so that the ground side of the pin-plug cable can be connected.
	<ul style="list-style-type: none"> • Induction noise is picked up from another device. 	<ul style="list-style-type: none"> • Install it distant from other devices.
	<ul style="list-style-type: none"> • The power cables are laid too close to the signal cables. 	<ul style="list-style-type: none"> • Provide sufficient spacing between the power cables and the signal cables.



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