

# SPEC



**DESIGNER AUDIO**

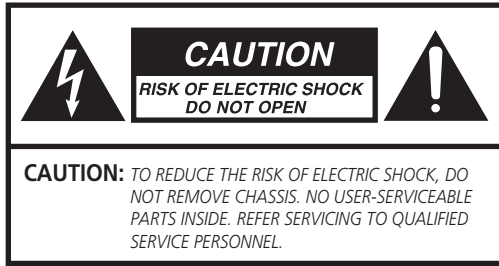
REAL-SOUND LINE PREAMPLIFIER

RPA-P7 **EX**

## Operation Manual

Read through this operation manual before use so you will know how to operate your model properly. After you have finished reading the manual, put it in a safe place for future reference.

# Safety Precautions



AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.



THIS SYMBOL 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 TO PERSONS.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE UNIT.

## WARNING

Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably to noise induced hearing loss but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time.

## Operating Environment

Operating environment temperature and humidity: +5 °C to +35 °C (+41 °F to +95 °F); less than 85 %RH (cooling vents not blocked)

Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light)

## WARNING

**This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.**

## POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while.

## European model only



If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electric products in accordance with legislation that requires proper treatment, recovery and recycling.

Private households in the member states of the EU, in Switzerland and Norway may return their used electric products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).

For countries not mentioned above, please contact your local authorities for the correct method of disposal.

By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

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### Check included items

- Power cord × 1
- Operation manual (this book)
- Remote control unit

### Installing this product

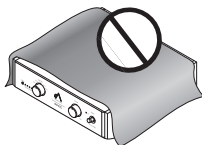
- Be sure to install this product on a flat, stable surface.
- Do not install this product in the following locations:
  - On top of a television (the image may warp)
  - Near a cassette deck or other magnetism emitting device (the audio may be adversely affected)
  - In a location hit by direct sunlight
  - In a moist location
  - In high or low temperature locations
  - In a location with vibration
  - In a location with much dust or tobacco smoke
  - In kitchens or other locations where fumes are emitted and oil is used

### Regarding installation



#### Caution

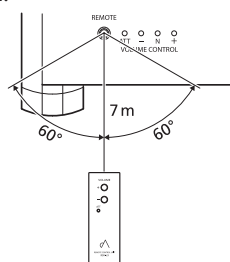
- Never place items on top of this product, cover it with a sheet, or use it when its heat radiation is obstructed. Abnormally high temperatures may damage the product.



### Remote control unit operating range

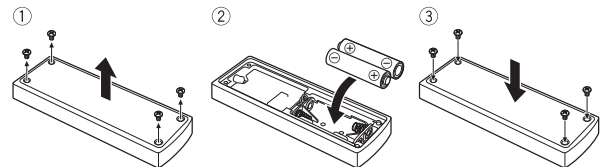
Point at the REMOTE SENSOR (signal receiving area) when operating the remote control unit.

- Obstacles between the remote control unit and REMOTE SENSOR or a bad angle with the REMOTE SENSOR can cause inability to operate.
- Powerful light such as direct sunlight or fluorescent lighting striking the REMOTE SENSOR can cause malfunction.
- Using the Remote control unit near infrared producing devices or other remote controlled equipment that uses infrared can cause malfunction.



### Changing the Remote Control Unit Batteries

Batteries are pre-installed in the remote control unit at the time of shipment, but all batteries should be replaced with new ones when you notice a decrease in the operating range. Remove the four screws on the rear face and replace the batteries with two new AAA batteries as pictured on the right



#### Caution

When the battery cover is removed, part of the circuit is exposed. Take care not to touch the circuit area when changing the batteries.

#### Battery Precautions

Incorrect use of batteries may result in such hazards as leakage and bursting. Observe the following precautions.

- Insert the plus and minus sides of the batteries properly.
- Do not use new and old batteries together.
- Batteries with the same shape may have different voltages. Do not use different batteries together.
- When disposing of used batteries, comply with governmental regulations or environmental public institution's rules that apply in your country or area.



#### Warning

Do not use or leave batteries in high temperature locations such as under strong direct sunlight, in a hot car heated by the sun, or near a stove. Battery leakage, overheating, bursting, or igniting may result otherwise. Battery function and life may also be decreased.

#### Maintenance

Wipe with a dry soft cloth. Contact with alcohol, thinner, benzene or pesticides can alter the surface and should be avoided. If using a dust cloth, take care to follow the instructions included with the cloth.

## Chapter 2

# Connections

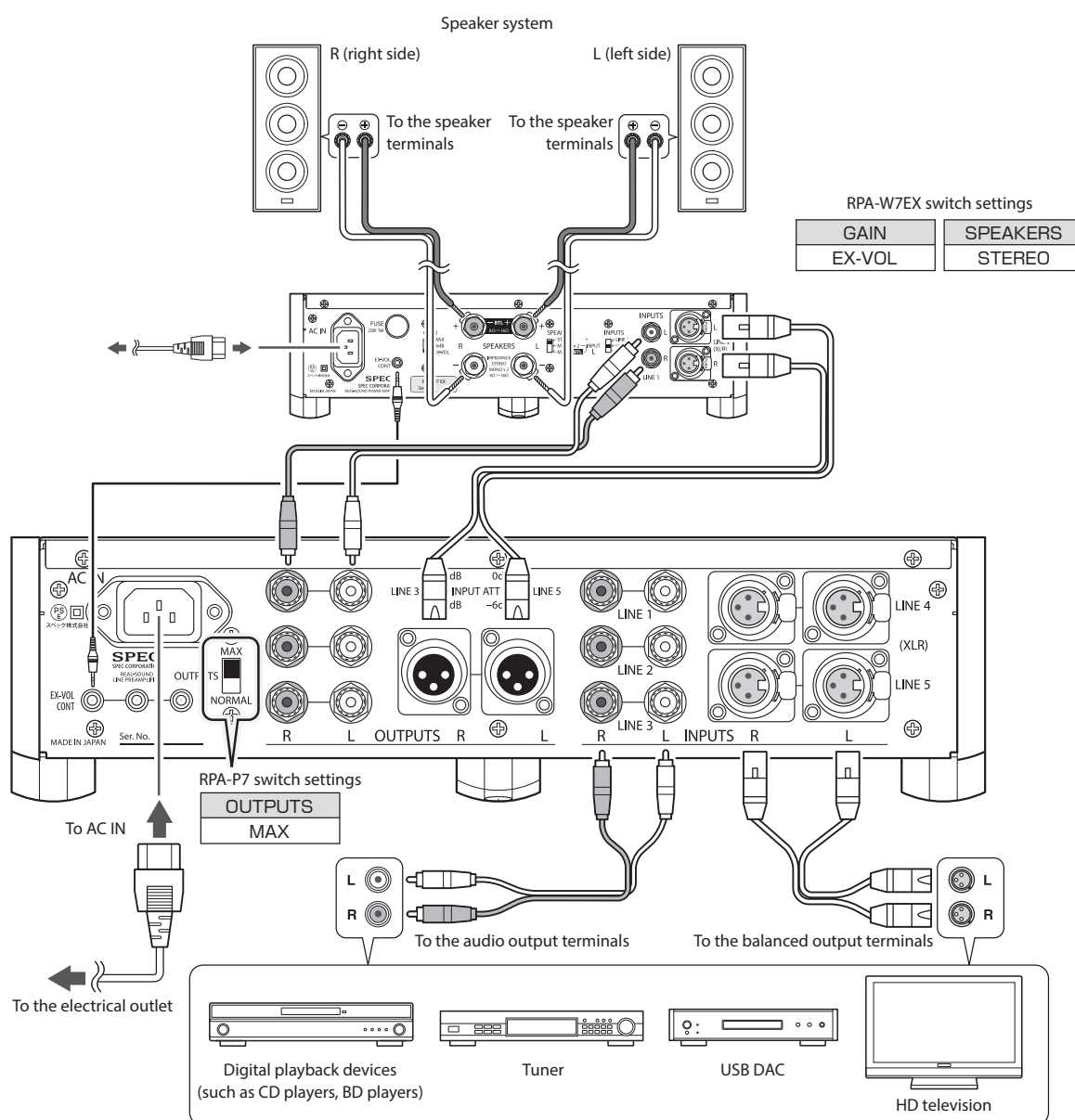
## Connections diagram

### Important

- When connecting devices or making changes, be sure to turn the POWER switch OFF and disconnect the power cord from the electrical outlet. Plug in the power cord last.
- If an extremely loud signal is input to this product, there is a danger that noise will be generated and cause damage. In such a case, lower the input signal level.

### 1. Connecting with RPA-W7EX

#### a) When one RPA-W7EX (stereo) is connected

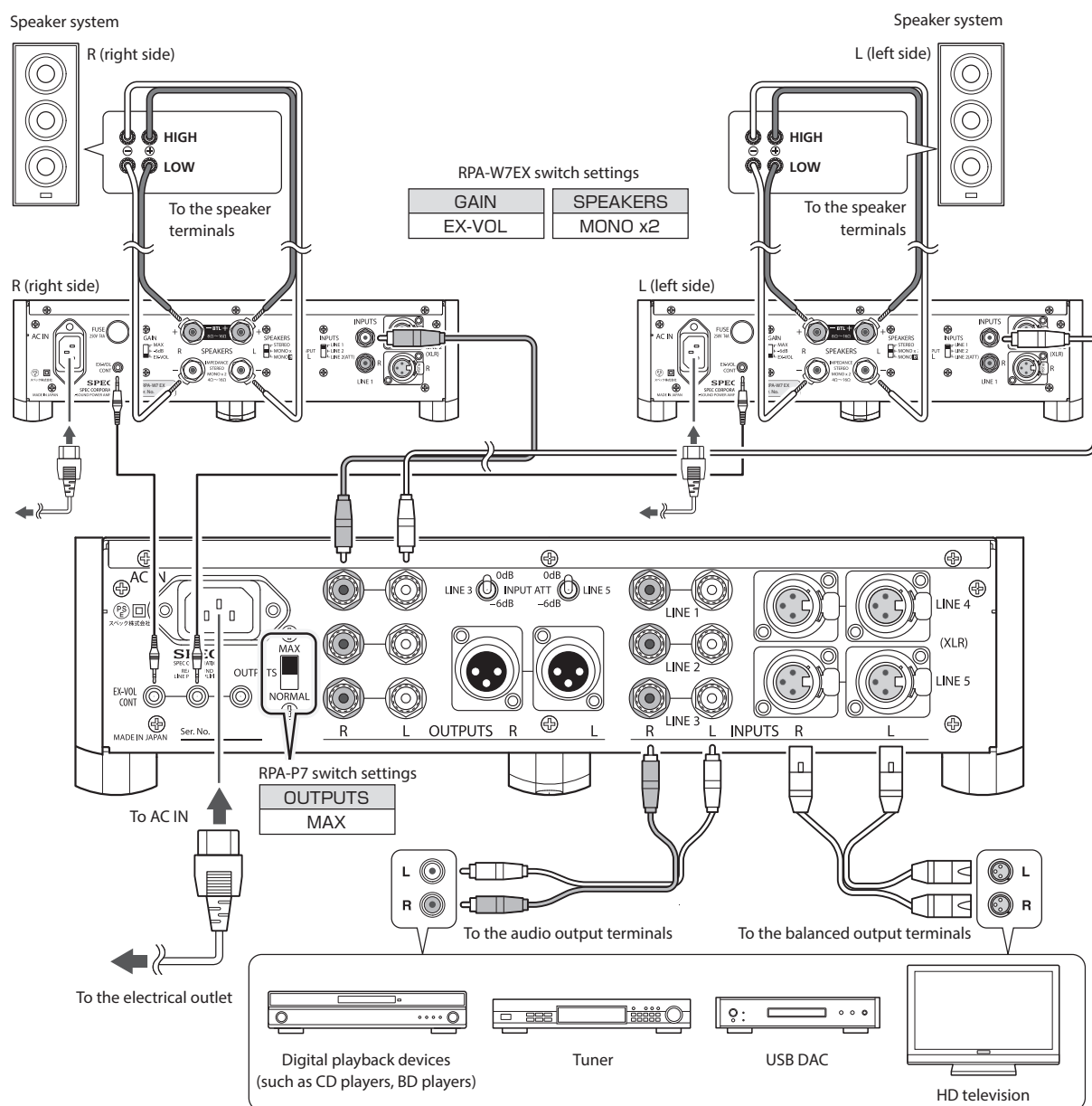


\* The mini plug connection cable for the remote control can be used connected to any of the EX-VOL CONT terminals in three places on the unit.

## Connections diagram

### 1. Connecting with RPA-W7EX

#### b) When two RPA-W7EX are connected (bi-amplifier)

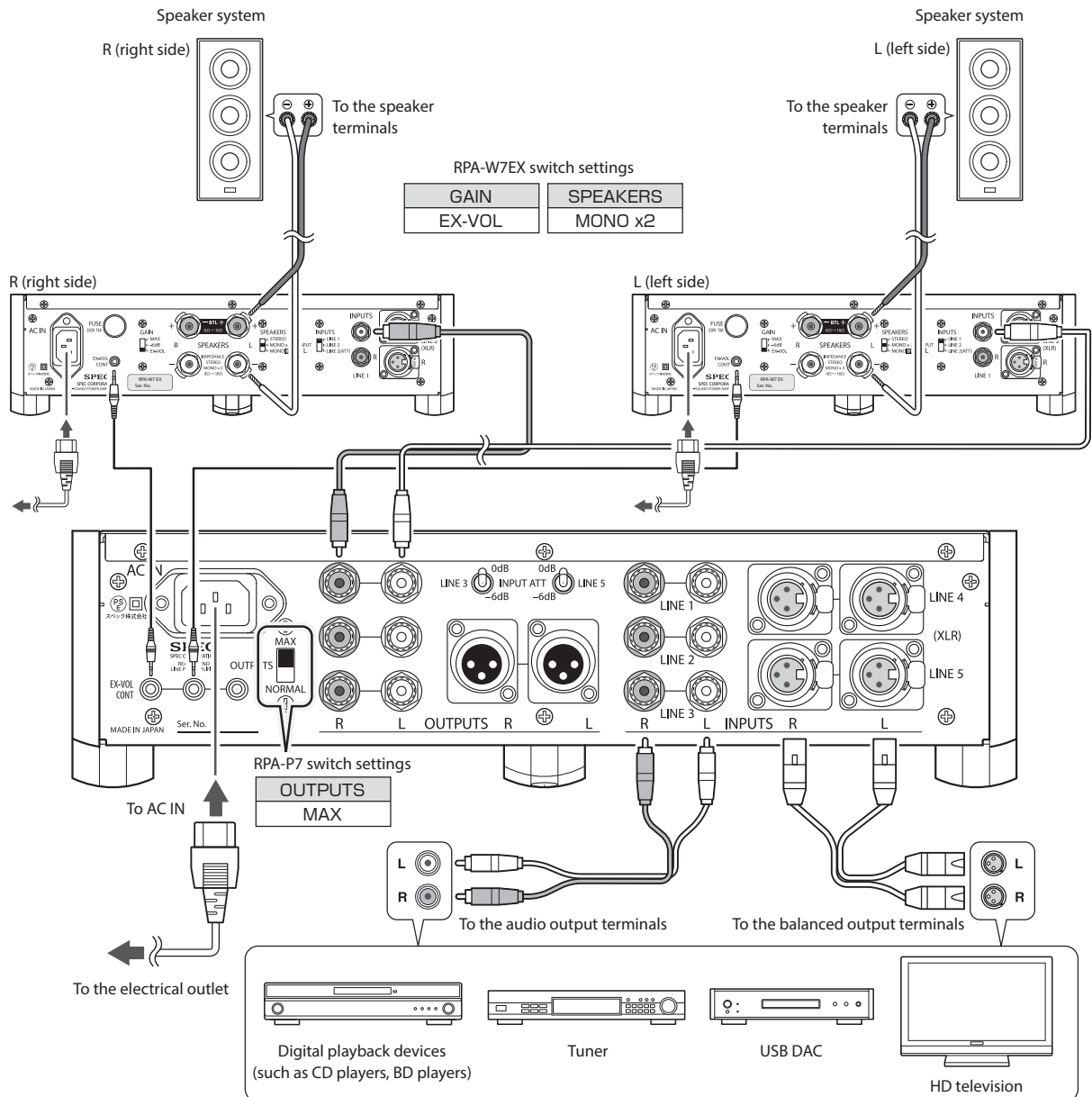


\* The mini plug connection cable for the remote control can be used connected to any of the EX-VOL CONT terminals in three places on the unit.

## Connections diagram

### 1. Connecting with RPA-W7EX

#### c) When two RPA-W7EX are connected (monaural)

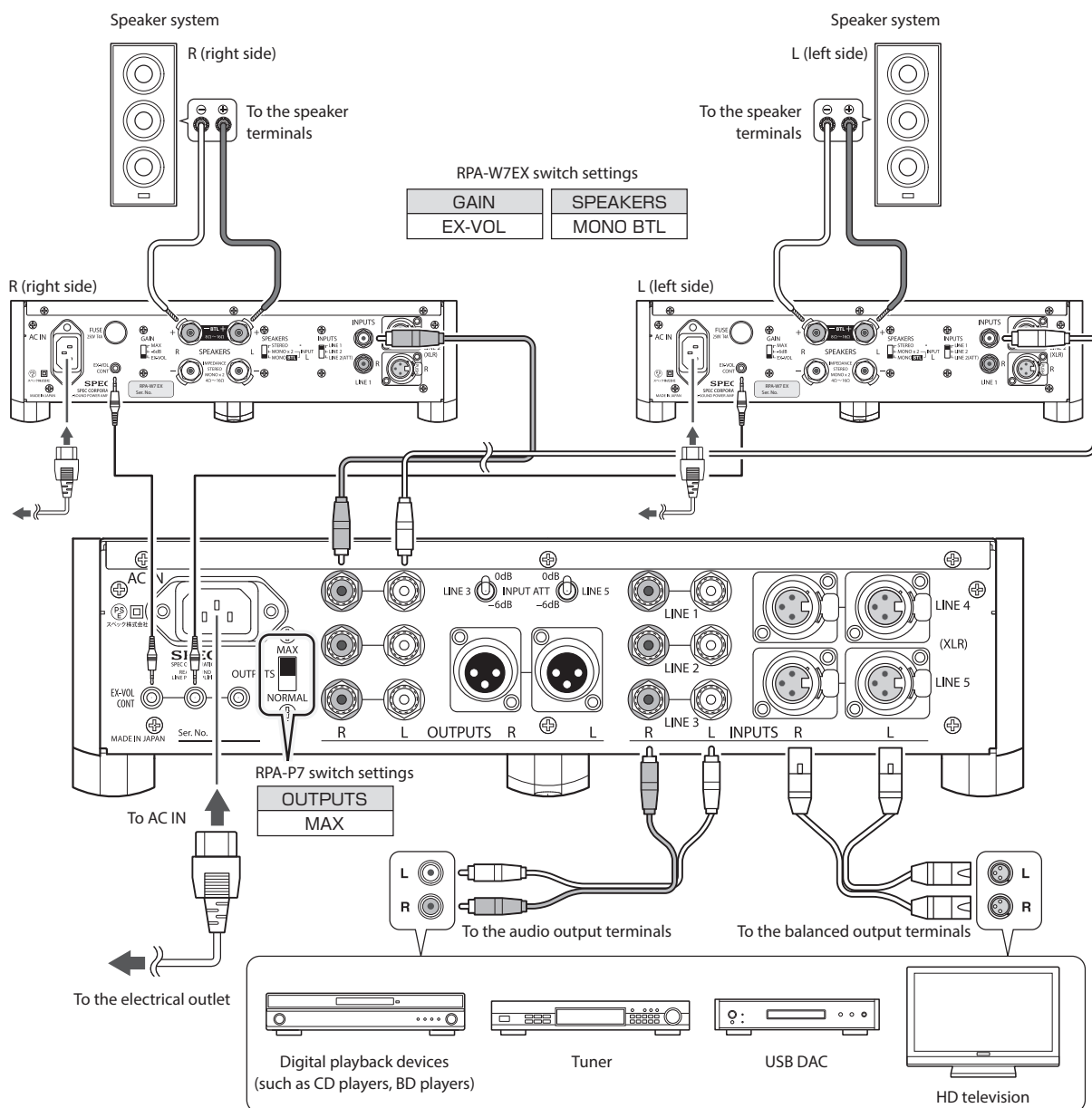


\* The mini plug connection cable for the remote control can be used connected to any of the EX-VOL CONT terminals in three places on the unit.

## Connections diagram

### 1. Connecting with RPA-W7EX

d) When two RPA-W7EX are connected (BTL)



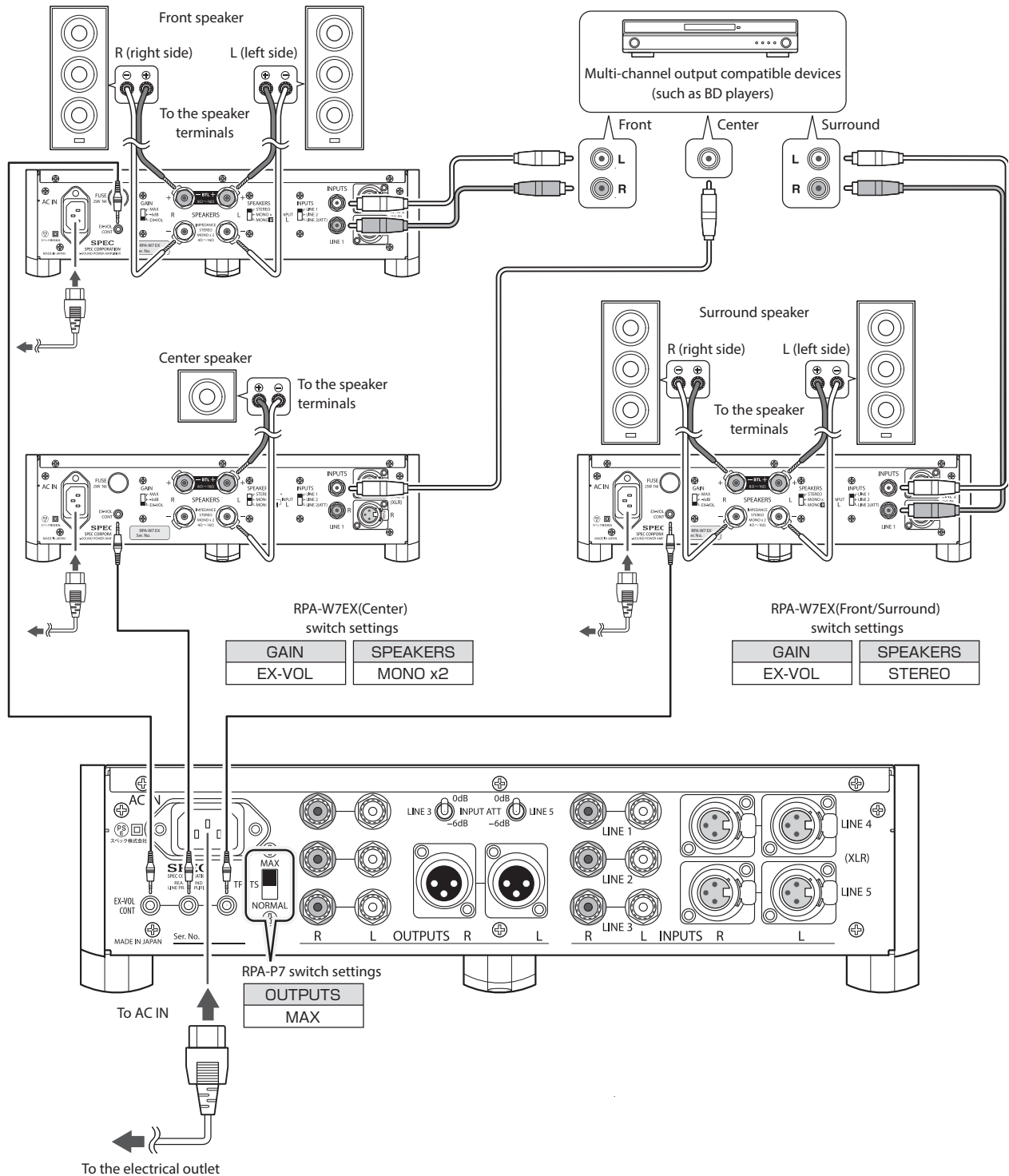
\* The mini plug connection cable for the remote control can be used connected to any of the EX-VOL CONT terminals in three places on the unit.



## Connections diagram

## 1. Connecting with RPA-W7EX

**e) When three RPA-W7EX are connected**

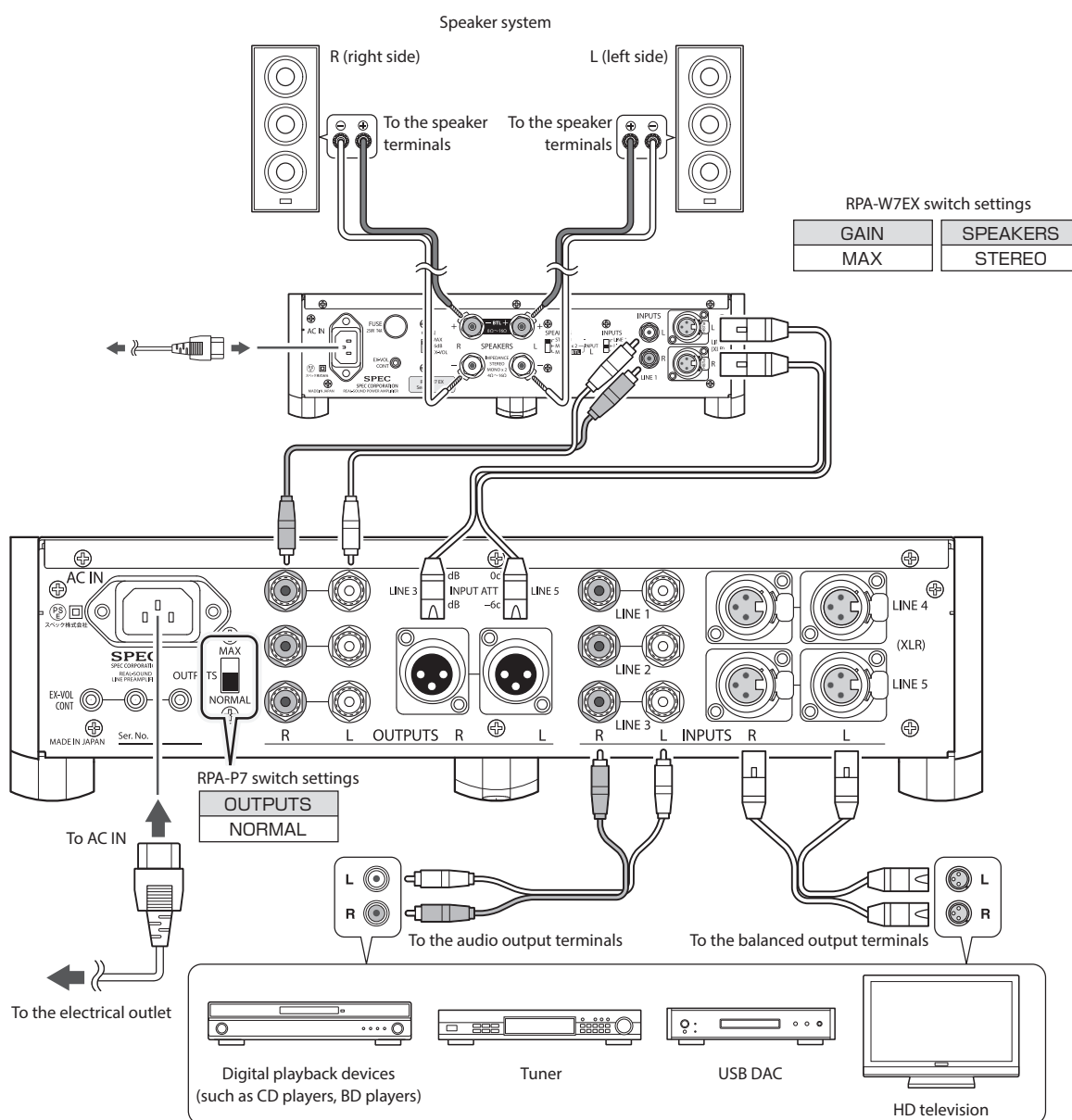


\*The mini plug connection cable for the remote control can be used connected to any of the EX-VOL CONT terminals in three places on the unit.

## Connections diagram

### 1. Connecting with RPA-W7EX

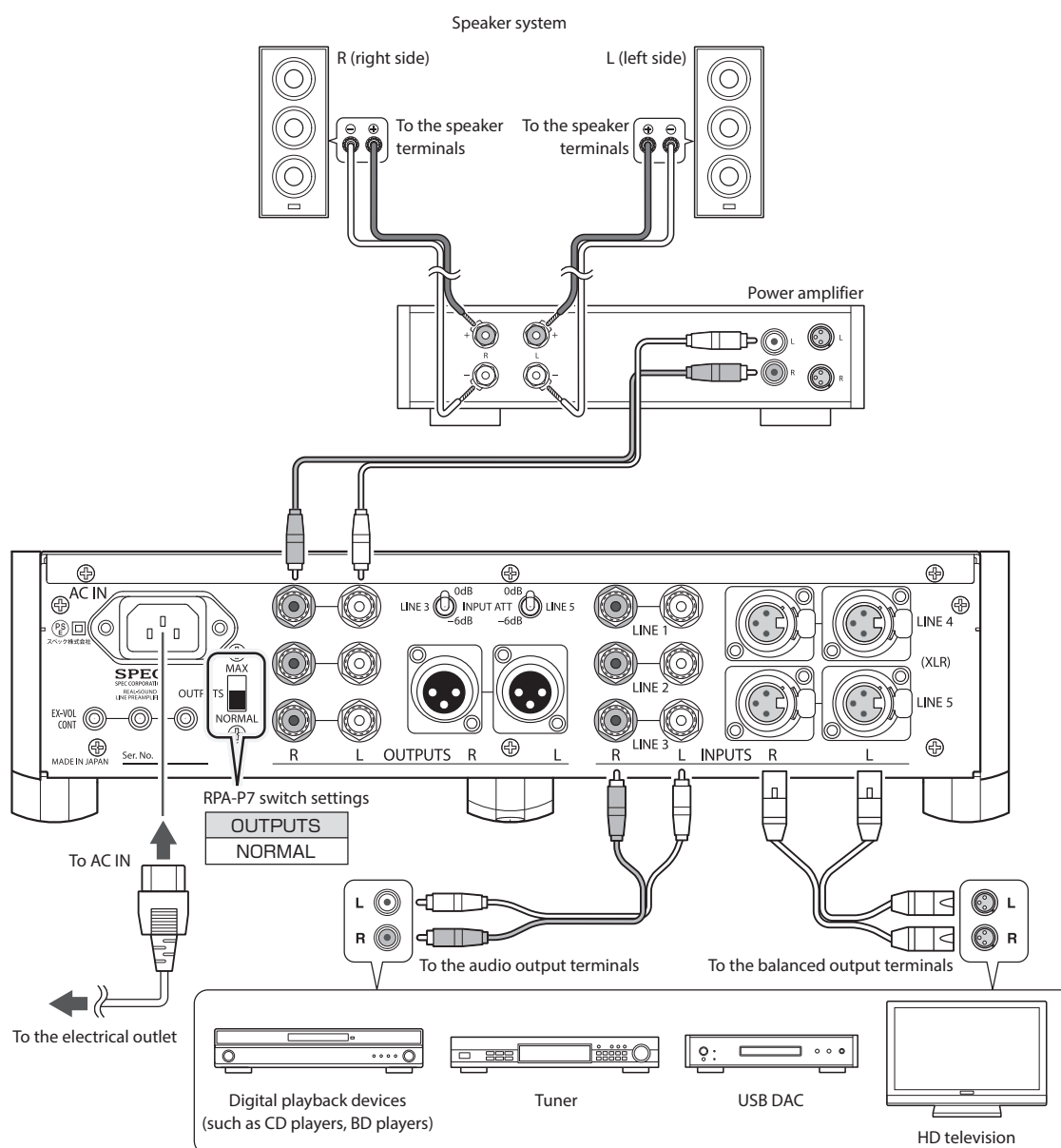
#### f) When connected as ordinary power amplifier



\* Do not connect the mini plug cable supplied with the RPA-W7EX.  
 \* Do not connect EX-VOL when using two or three RPA-W7EX.

## Connections diagram

### 2. Connecting with another company's power amplifier



\* Depending on the power amplifier used, there may be a caution regarding simultaneously connecting RCA and XLR, so refer to the operation manual of the respective power amplifier.

\* The above is a connection example. For the connections and settings of the power amplifier, refer to the operation manual supplied with the power amplifier.

\* Do not connect EX-VOL when using two or three RPA-W7EX.

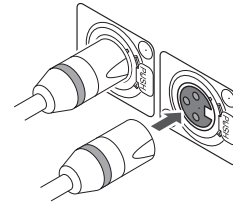
### **Caution**

- When using an analog player, provide a separate phono equalizer. For how to connect the phono equalizer, refer to the operation manual of the phono equalizer.

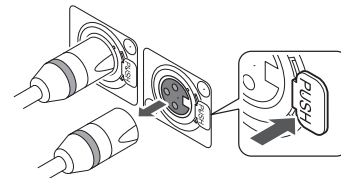
### **How to connect XLR cables**

Connect the left and right XLR input terminals of this product to the respective left and right balanced output terminals of the product to be connected.

Match the orientation of the XLR plug to this product's XLR input terminal, and insert until a click is heard.

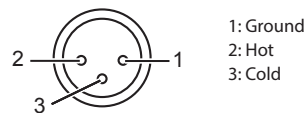


When disconnecting an XLR plug, press the latch lever (the part with "PUSH" inscribed on it) while pulling the cable. Use caution, as forceful disconnection may damage the unit.



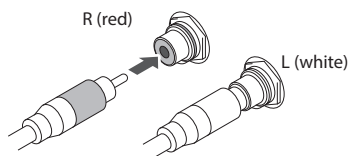
### **Note**

- The pin positioning of the XLR input terminal of this product is depicted below. Confirm that the product to be connected is compatible with the pin positioning of this product. For further details, consult the operation manual included with the product to be connected.



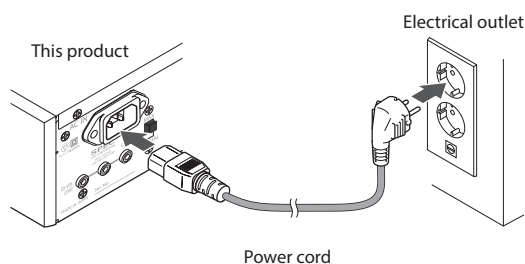
## How to connect audio cords

Connect the white RCA plug (for left) to the left side input terminal with the white or black line, and the red RCA plug (for right) to the right side input terminal with the red line. Press firmly to push the plugs all the way in.



## How to connect the power cord

Once all connections have been made, connect the included power cord to the AC IN terminal of this product and to the residential electrical outlet. Press firmly to push the plug all the way in.



\* The plug type varies according to the region.

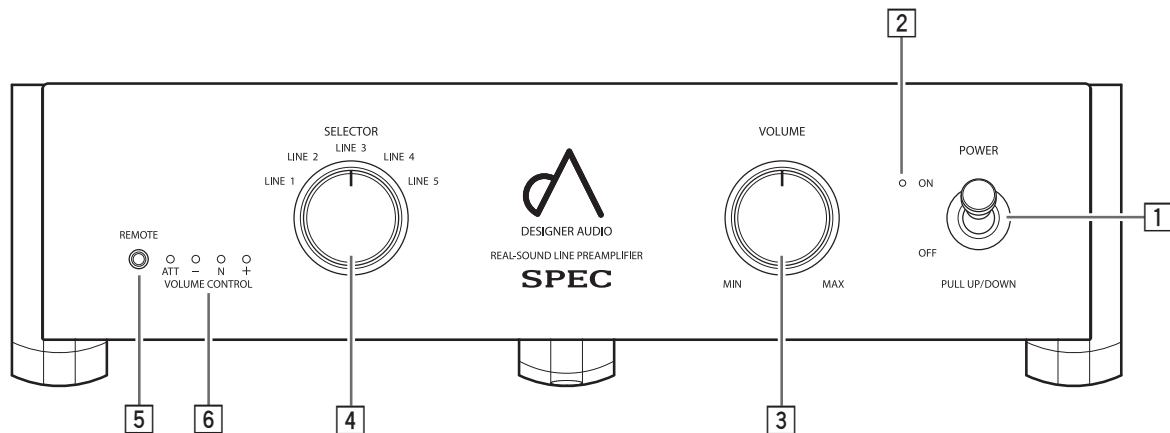
## **Caution**

- The power cord for this product is removable, but please refrain from using power cords other than the cord included (3P plug-in socket type with electrical current capacity: 7 A).
- Never insert the ground wire from the AC CONVERSION PLUG into the electrical outlet.

## **Note**

- When not using this product for extended periods, be sure to turn the POWER switch OFF or unplug the power cord from the electrical outlet.
- Turn the POWER switch OFF before unplugging the power cord.
- The power consumption of this product varies greatly depending on the volume level of the playback audio signal. For satisfactory music playback, connect to an electrical outlet with sufficient capacity. (Connecting to a low capacity electrical outlet creates the danger that the connection will overheat.)
- If the residential power supply is cut off due to a power outage, the state of this product will be as follows when power is restored.
  - If the POWER switch is ON when power is restored  
→ The product returns to its state prior to power restoration.
  - If the POWER switch is OFF when power is restored  
→ The product is in the normal power OFF state.

## Front panel



### 1 POWER switch

Turns power ON and OFF.

Pulling the power switch releases the lock. To turn on the power, raise up the power switch while pulling out on it. To turn off the power, lower the power switch while pulling out on it.

### 2 ON indicator

Shines green when this product is on.

### 3 VOLUME (level adjustment knob)

Adjusts the volume level.



### Note

- This product contains a high quality electrical volume IC that is high precision and ultra low noise, with the result that audio quality is not affected depending on the VOLUME (level adjustment knob) position.

### 4 LINE SELECTOR (input switching knob)

Selects the playback device (LINE 1-LINE 5).

### 5 Remote control receiver

### 6 VOLUME CONTROL

Indicates the volume position and state during remote control operation.

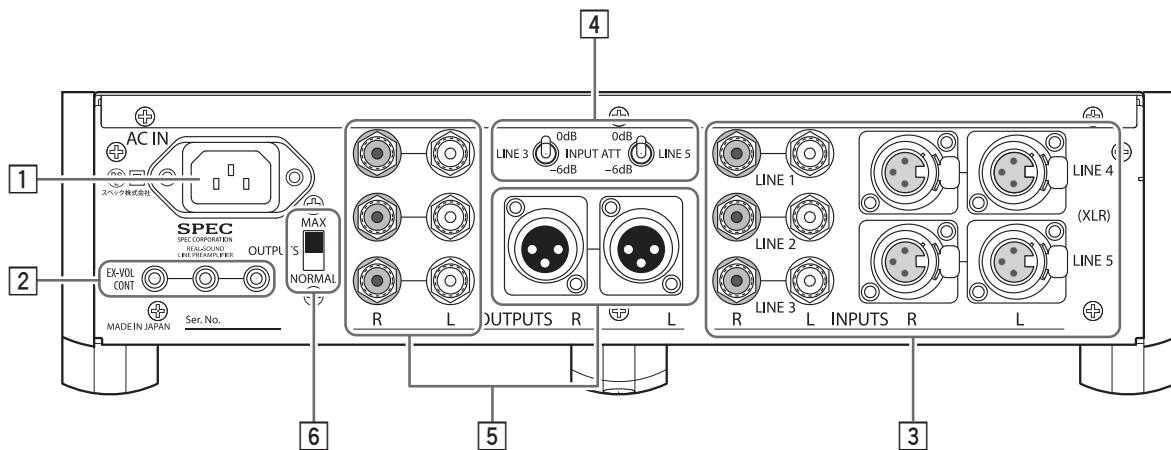
N : Lit green constantly after power-on.

+ (-) : Flashes blue when the + (-) button on the remote control is pressed, and lights when the position is further toward the + (-) side than the position of the volume control of the unit.

ATT : Lights red when the ATT button on the remote control is pressed.

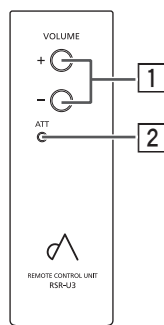
When the volume matches the position of the volume control of the unit, only N is lit.

## Rear panel



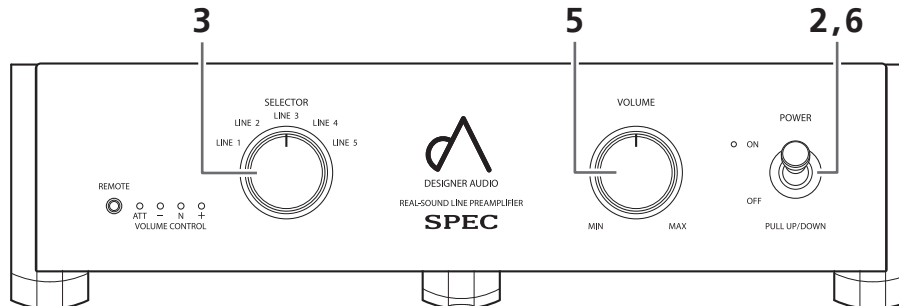
- ① **AC IN terminal**  
Connect the included power cord. (→ pages 13)
- ② **EX-VOL CONTROL terminals**  
Used when connected with RPA-W7EX.  
Up to three RPA-W7EX can be connected.  
RPA-W7EX can be connected to any of the three places.
- ③ **Audio input terminals**  
LINE 1 - 3 : RCA inputs  
LINE 4 - 5 : XLR inputs
- ④ **Input attenuation switches**  
Reduces the inputs of only LINE 3 and LINE 5 to 6 dB.
- ⑤ **Audio output terminals**  
3 RCA outputs: The same sound is output from all three lines.  
1 XLR output
- ⑥ **OUTPUTS selector switch**  
MAX : When using RPA-W7EX.  
NORMAL : When using another company's power amplifier.

## Remote control unit



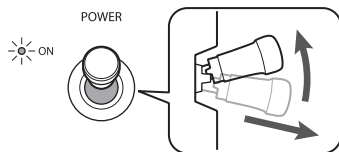
- ① **VOLUME +/- buttons**  
The VOLUME + button enables to increase the volume in 4 levels, the - button enables to decrease the volume in 7 levels ( $\pm 10$  dB per level).  
\* Pressing these buttons will not turn the amplifier's volume adjustment knob.
- ② **ATT (attenuate) button**  
The ATT button enables instant volume reduction.

### Playback steps



**1** Turn on the power of the playback device.

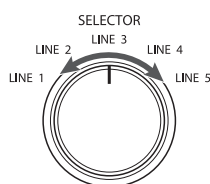
**2** Check that the volume level of this product is turned down, and lift up the front panel POWER switch while pulling out on it to turn on the power.



Check that the ON indicator on the body front panel is lit.

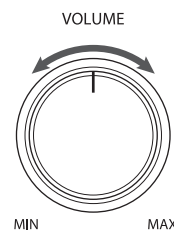
**3** Select the input to this product.

Rotate the LINE SELECTOR to select the terminal (LINE 1 - LINE 5) to which the playback device is connected.



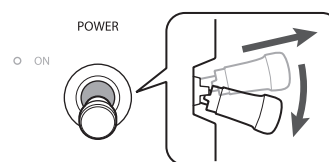
**4** Operate the playback device and begin playback.

**5** Rotate the VOLUME (level adjustment knob) left and right to set the audio level.



**6** When playback is finished, lower the audio volume level and push down the front panel POWER switch while pulling out on it to turn off the power.

Be sure to lower the audio volume level.





### Troubleshooting

If you think this product may be broken, check the following troubleshooting items. Some minor operational errors can make the product appear to be broken.

Potential causes other than this product should also be considered. Check the other devices being used as well as all simultaneously operated electrical devices. If the following instructions do not help even on multiple inspections, contact us. (→ page 19)

Issue	Cause/Treatment	Reference
The power does not turn on.	<ul style="list-style-type: none"> <li>Is the power plug disconnected from the electrical outlet? → Correctly insert the power plug into the outlet.</li> </ul>	p. 13
	<ul style="list-style-type: none"> <li>Is the power plug disconnected from the AC IN terminal? → Correctly insert the power plug.</li> </ul>	p. 13
	<ul style="list-style-type: none"> <li>If the power will not turn on even with correctly connecting the power plug, the fuse may be broken. → Contact us for consultation.</li> </ul>	p. 19
There is no sound.	<ul style="list-style-type: none"> <li>Is the connecting cord disconnected from the terminal, or connected incorrectly? → Correctly connect the cord.</li> </ul>	p. 5 - p. 13
	<ul style="list-style-type: none"> <li>Is the terminal or connecting cord pin plug dirty? → Wipe clean the terminal or plug.</li> </ul>	–
	<ul style="list-style-type: none"> <li>Is the input (LINE 1 - LINE 5) of this product incorrectly set for the playback device? → Correctly select the input.</li> </ul>	p. 5 - p. 11
	<ul style="list-style-type: none"> <li>If the cable of the EX-VOL CONTROL terminal is disconnected when the position of the OUTPUTS selector switch is MAX, sound may not be output (or may be low) → Correctly connect the cable.</li> </ul>	p. 15
There is no sound from one speaker.	<ul style="list-style-type: none"> <li>Is the connecting cord or speaker cord for one side disconnected? → Correctly connect the cord.</li> </ul>	p. 5 - p. 13
VOLUME does not work.	<ul style="list-style-type: none"> <li>Immediately after turning off the power, sound may come out of the speakers while the OFF (WAITING) indicator is lit, but this is not a sign of breakage. → When playback is finished, first turn the volume of this product all the way down and then shut off the power of this product.</li> </ul>	p. 15
Remote control does not work.	<ul style="list-style-type: none"> <li>If the cable of the EX-VOL CONTROL terminal is disconnected when the position of the OUTPUTS selector switch is MAX, VOLUME will not work. → Correctly connect the cable.</li> </ul>	p. 15

### Care and maintenance

For daily maintenance, use a polishing cloth to lightly wipe the front panel of this product. If it is very dirty, use a soft cloth moistened with neutral detergent watered down to 1/5-1/6 concentration and wipe off the dirt, then wipe dry with a dry cloth. If alcohol, thinner, petroleum ether or insecticide adhere to the front panel it may be damaged, so use caution. Whenever using pre-moistened wipe, be sure to completely read the warning instructions that come with the wipe.

This product uses natural wood for its side panel and insulator. Do not place it in direct sunlight or near a heater. The front panel may become discolored, and the product may be warped due to the natural wood contracting.

**Specifications**

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■ **Amplifier**

Frequency response .....	10 Hz - 30 kHz $\pm$ 1 dB (6 $\Omega$ , 1 W)
Harmonic distortion ratio.....	0.02 % (at 1 kHz, 80% output)
Input sensitivity .....	300 mVrms
Line input terminals .....	Balanced inputs: 2 RCA unbalanced inputs: 3
Line output terminals .....	Balanced output: 1 RCA unbalanced outputs: 3

■ **Power supply, other**

Power voltage.....	110, 120, 220, 230, 240 V AC, 50 Hz/60 Hz
Electrical consumption .....	10 W
External dimensions.....	350 mm (width) $\times$ 95 mm (height) $\times$ 370 mm (depth)
Weight .....	8.0 kg

■ **Included items**

Power cord.....	1
Remote control unit .....	1
Operation manual (this book) .....	1

\* Due to improvements the above specifications and external appearance may be changed without notice.

## Warranty and after sales service

### ● About Warranty

Make sure that the name of your distributor and the date of purchase are written in the warranty. Read it carefully, and then keep it in a secure location. The warranty is valid for one year from the date of purchase.

### ● Malfunctions

If the product malfunctions in the course of normal use (use in accordance with the manual and safety precautions) during the warranty period, then we will repair the product free of charge. When you bring your product to the distributor for servicing, be sure to bring the warranty with you. See the guarantees in your warranty for details. We will repair malfunctions occurring after the warranty period has expired for a fee, in accordance with our servicing regulations.

**Please note that we cannot provide any warranty or bear any liability for damage to any equipment that is connected to the unit resulting from incorrect use.**

### Contact Information

#### SPEC CORPORATION

TEL: +81-3-3660-0303

FAX: +81-3-3660-0333

E-mail: info-ex@spec-corp.co.jp

URL : spec-corp.co.jp

### Terms of Warranty

1. If this product malfunctions during use in accordance with the manual, and during the warranty period, then please bring the product and this warranty to the store where you purchased it. It will be repaired free of charge.
2. If you cannot ask the store where you purchased it for repairs (e.g. if you have moved or the product was a gift), please consult with SPEC CORPORATION.
3. A fee will be charged for repairs in the following circumstances, even if it is during the warranty period.
  - (A) The product malfunctioned or was damaged due to user error or unauthorized repair or modification
  - (B) The product malfunctioned or was damaged due to dropping, etc. after purchase
  - (C) The product malfunctioned or was damaged due to fire, flooding, lightning and other weather phenomena, pollution, salt damage, or the like
  - (D) The product malfunctioned or was damaged due to other than normal use, such as long hours of continuous commercial use
  - (E) The main unit has been disassembled
  - (F) The text of the warranty has been changed or overwritten
  - (G) The malfunction was caused by another company's product
4. This warranty cannot be re-issued. Store it in a safe place, and do not lose it.

## WARRANTY

RPA-P7 Real Sound LVS Preamplifier

Name	Telephone ( )
Address	
Date of Purchase	Distributor Name & Telephone
Warranty Period (from Date of Purchase)	
One Year	
from Date of Purchase	

# SPEC

**SPEC CORPORATION**

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