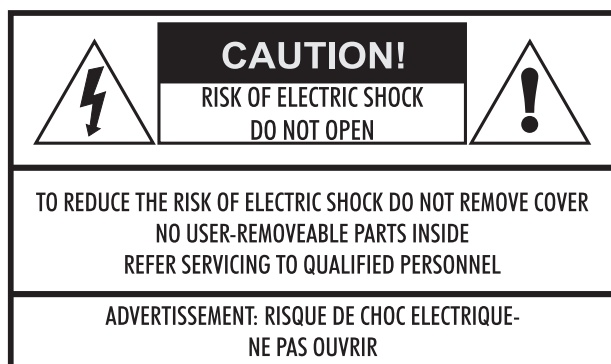


Owner's Manual





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) that produce heat.

Don not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two lades with one wider that 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 the plugs, convenience receptacles, and at 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 cat/apparatus combination to avoid injury from tip-over.

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

Refer all serving 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 serving instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any serving 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 environmental safe recycling.



Contents



Thank you for using LUXMAN C-1000f Control Amplifier.

Please read this manual carefully before using the product to ensure that you use it appropriately, maximize the functions 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.

| | |
|--|----|
| Precautions..... | 1 |
| Names and Functions..... | 2 |
| How to Use Remote Control..... | 11 |
| Connections..... | 12 |
| Connections..... | 13 |
| Connections..... | 14 |
| Connections..... | 15 |
| Block Diagram | 17 |
| Specifications | 18 |
| Before asking for repairing services | 19 |



Precautions

Installation place

This unit shall be installed in a wellventilated and effectively heatreleased 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.

Precautions in connecting with other components

When connecting this unit to input devices such as a CD/DVD player, a tuner, and a recorder, be sure to turn off the power of this unit 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 unit 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.

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 time 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 speakers.

Batteries

Caution:

Batteries used for remote controller shall not be exposed to excessive heat such as sunshine, fire or the like.

Repair and adjustment

When repairs or adjustments are needed, please ask the 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, and then wipe the unit with dry cloth. Do not use a solvent like benzine or thinner because such a substance can damage the exterior.



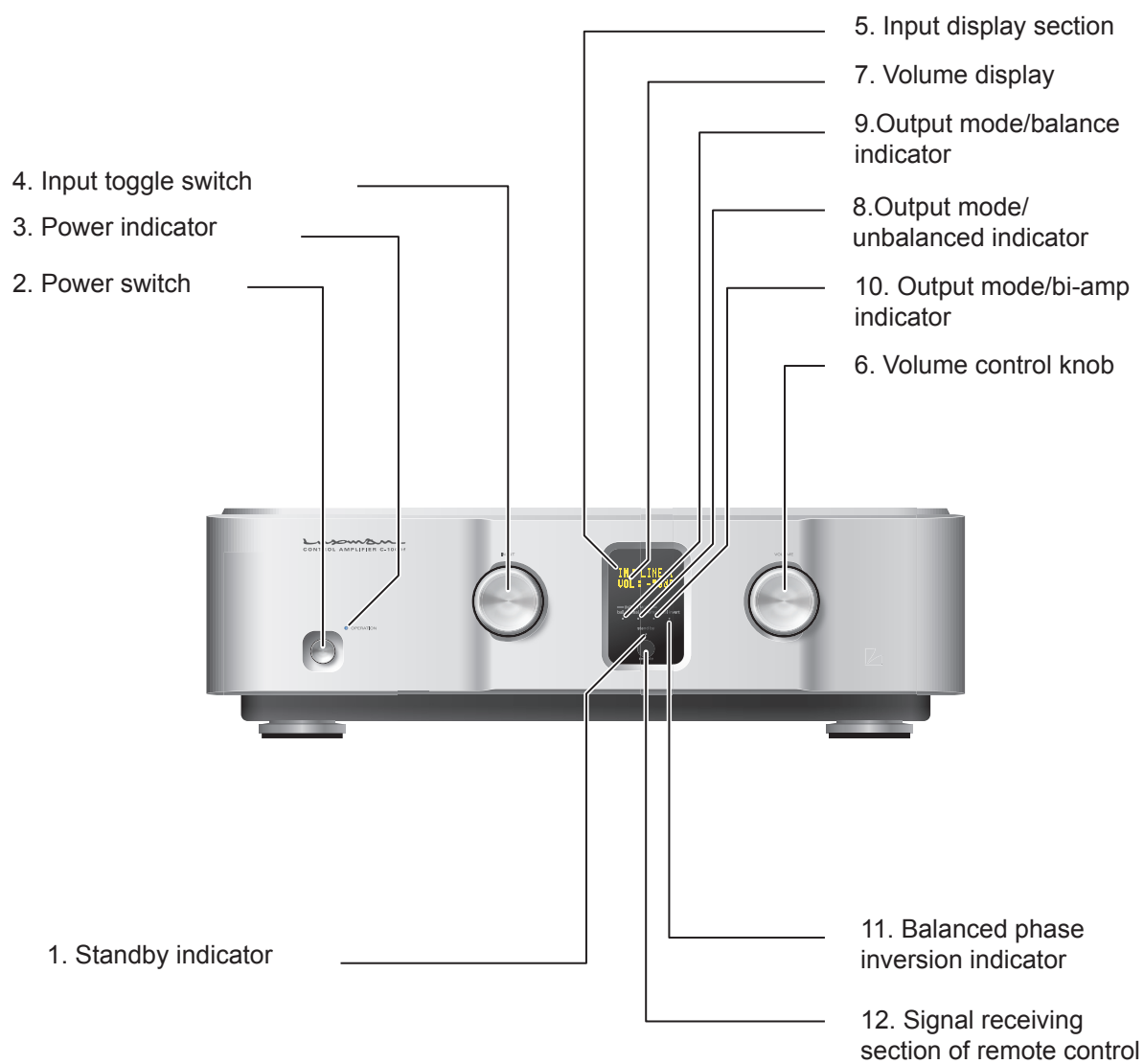


Names and Functions



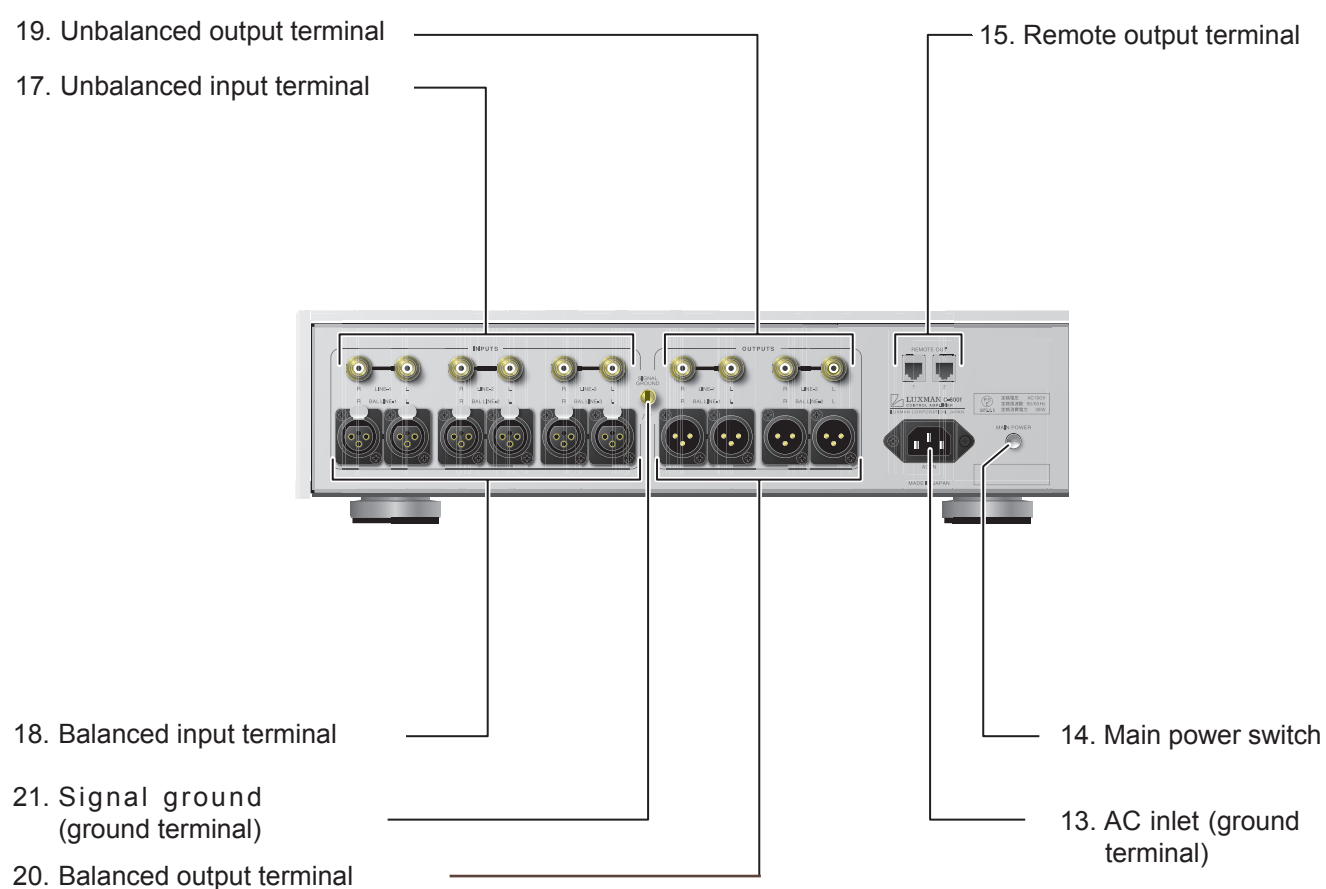
LUXMAN CORPORATION, JAPAN

Front panel

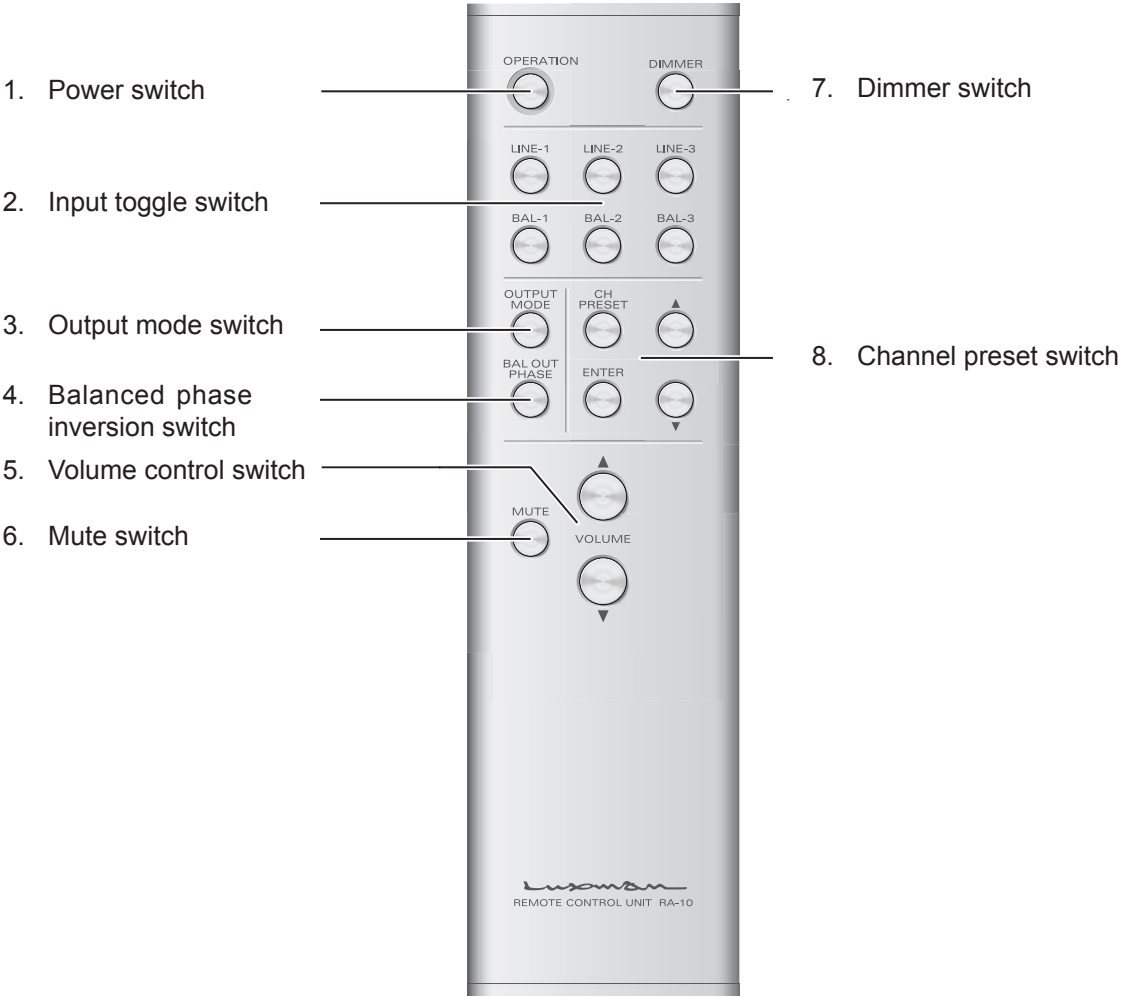


Names and Functions

Back panel



Names and Functions



Names and Functions

1. Power switch/OPERATION

When you press this switch in the standby mode, the standby indicator goes out and the power indicator flashes. Then the machine shows WARMING UP and goes into the startup preparation status. The power indicator lights up steadily after a while (about 30 seconds) and the settings of each mode are shown on the machine, indicating that the machine is in the startup status. It will go into the standby status if you press this switch again in the startup mode.

WARMING UP

2. Input toggle switch/LINE-1, LINE-2, LINE-3, BAL-1, BAL-2, BAL-3

Select the input toggle switch on the back panel for the unbalanced input terminals LINE-1, LINE-2, LINE-3 and the balanced input terminals BAL LINE-1, BAL LINE-2, BAL LINE-3.

- Press LINE-1 to select LINE-1.
- Press LINE-2 to select LINE-2.
- Press LINE-3 to select LINE-3.
- Press BAL-1 to select BAL LINE-1.
- Press BAL-2 to select BAL LINE-2.
- Press BAL-3 to select BAL LINE-3.

IN : LINE-1
VOL : -71dB

IN : BAL.-1
VOL : -71dB

The output/input muting circuit will be activated when turning the switch. No sound is heard within approximately 0.8 second.

3. Output mode switch/OUTPUT MODE

The switch used to switch among unbalanced output, balanced output and bi-amp modes. When the switch is pressed, the mode changes in the order UNBAL → BAL → BI-AMP →

UNBAL.....

- Unbalanced output/UNBAL

Music output from unbalanced LINE-1 and LINE-2.

- Balanced output/BAL

Music output from balanced BAL LINE-1 and BAL LINE-2.

- Bi-amp/BI-AMP

Music output from unbalanced output LINE-1 and LINE-2.

L ch LOW music output from LINE-1 L ch.

R ch LOW music output from LINE-1 R ch.

L ch HIGH music output from LINE-2 L ch.

R ch HIGH music output from LINE-2 R ch.

Switching to the bi-amp mode is not possible when the input toggle switch is in the balanced position.

Change the input toggle switch over to the Line position and then switch the output mode. The machine is set to unbalanced output (UNBAL) position by the factory.

The input/output muting circuit will be activated when turning the switch. No sound is heard within approximately 0.8 second.

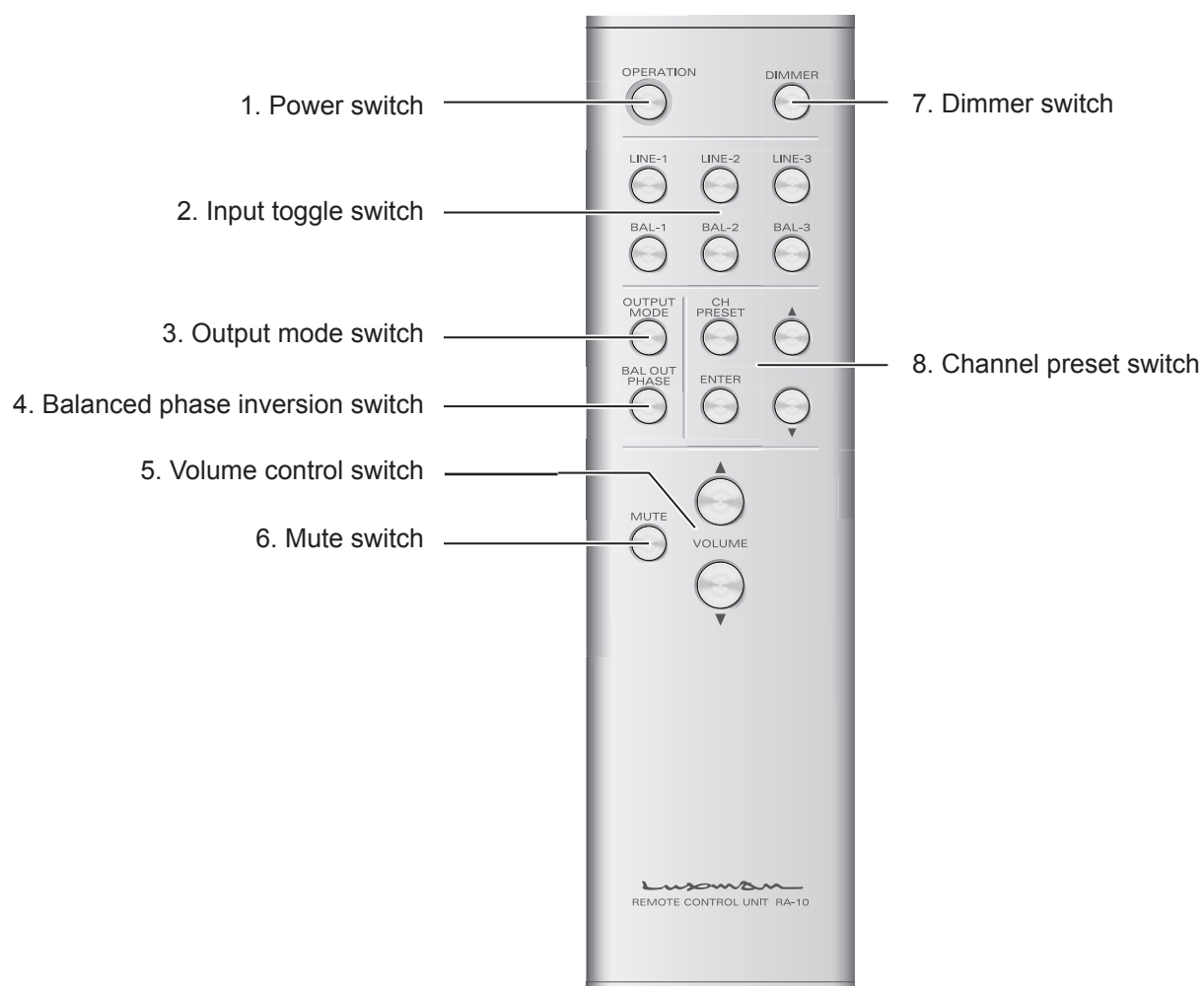
Each output mode remembers the default setting of the channel.



Names and Functions

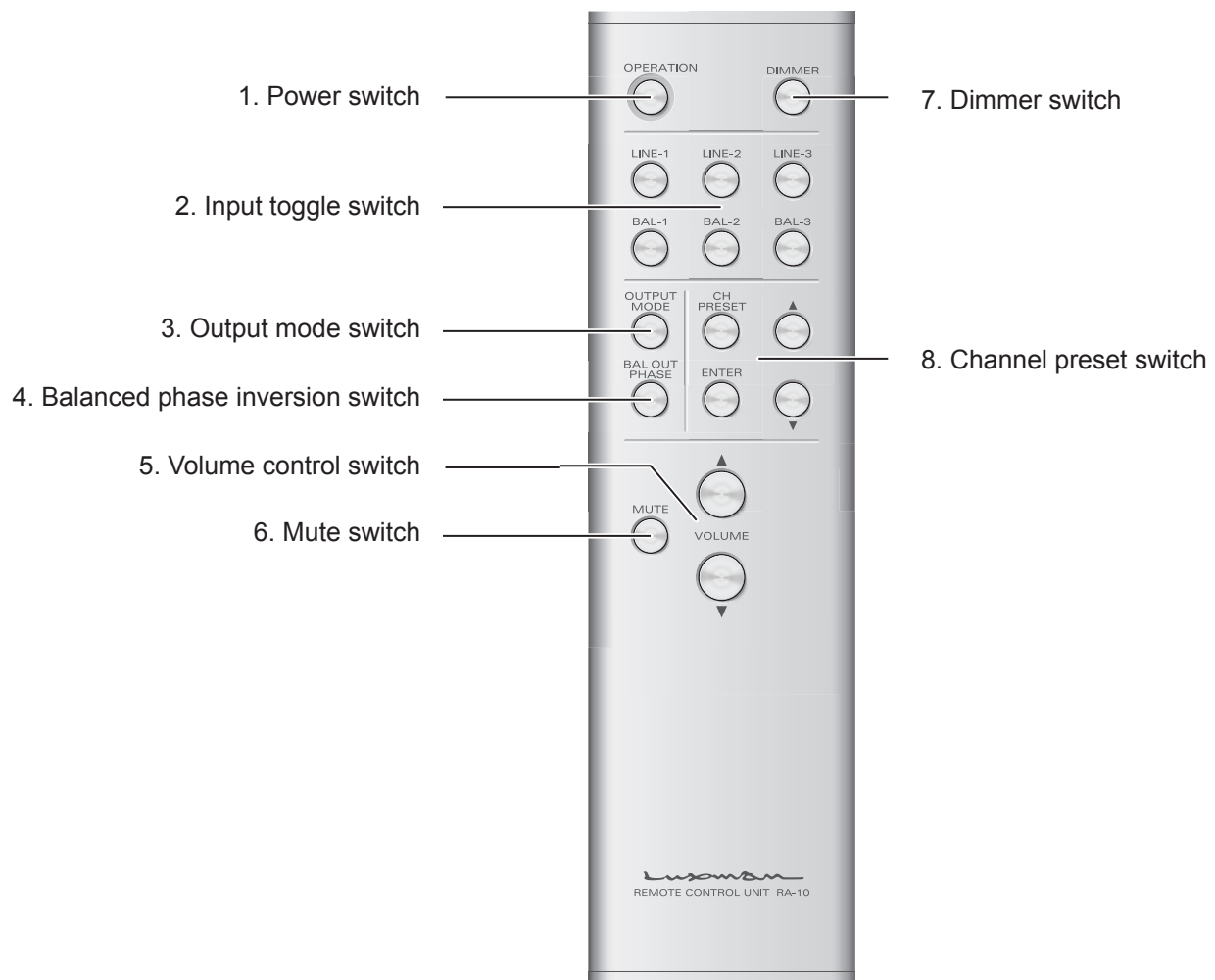


LUXMAN CORPORATION, JAPAN





Names and Functions

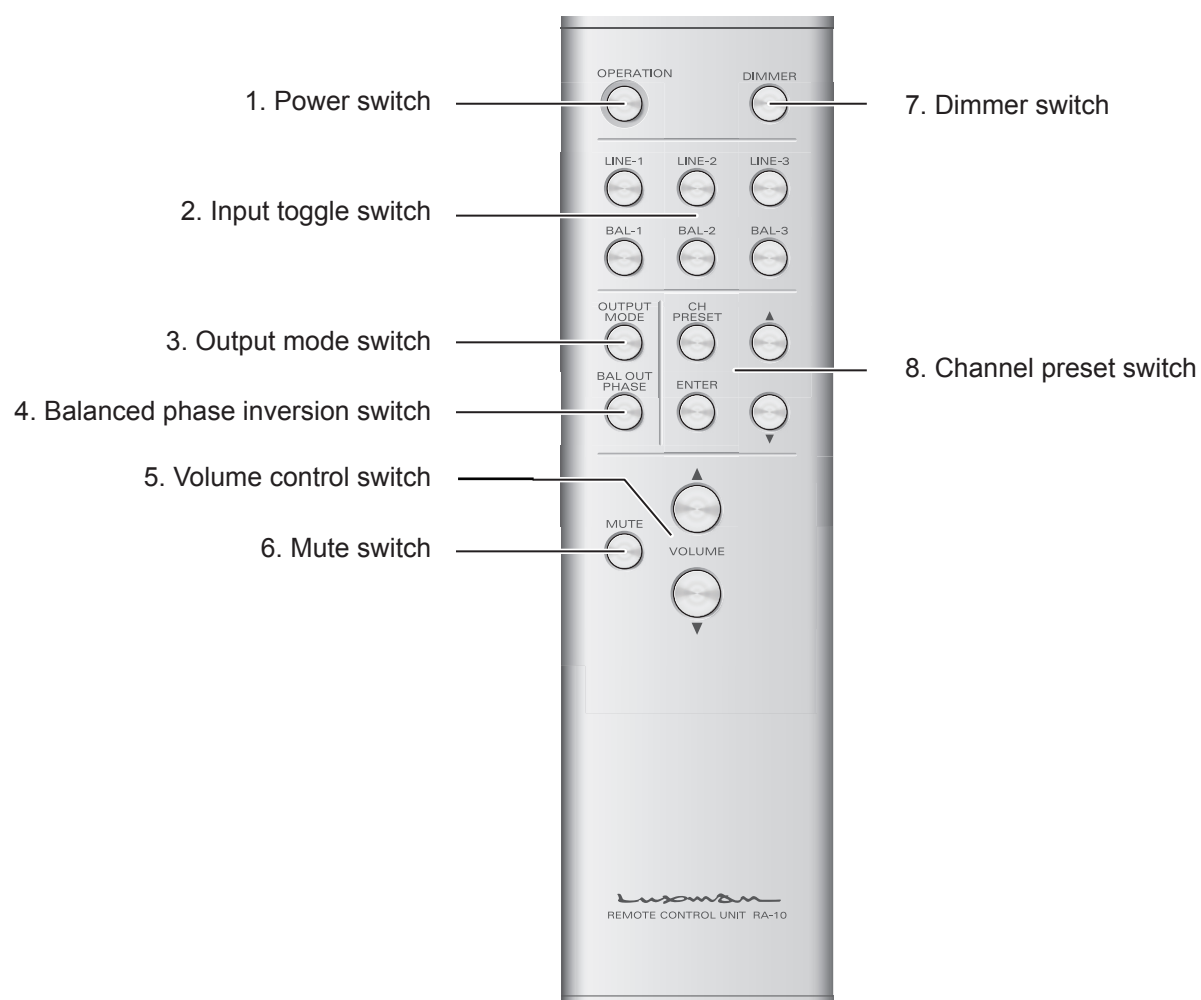




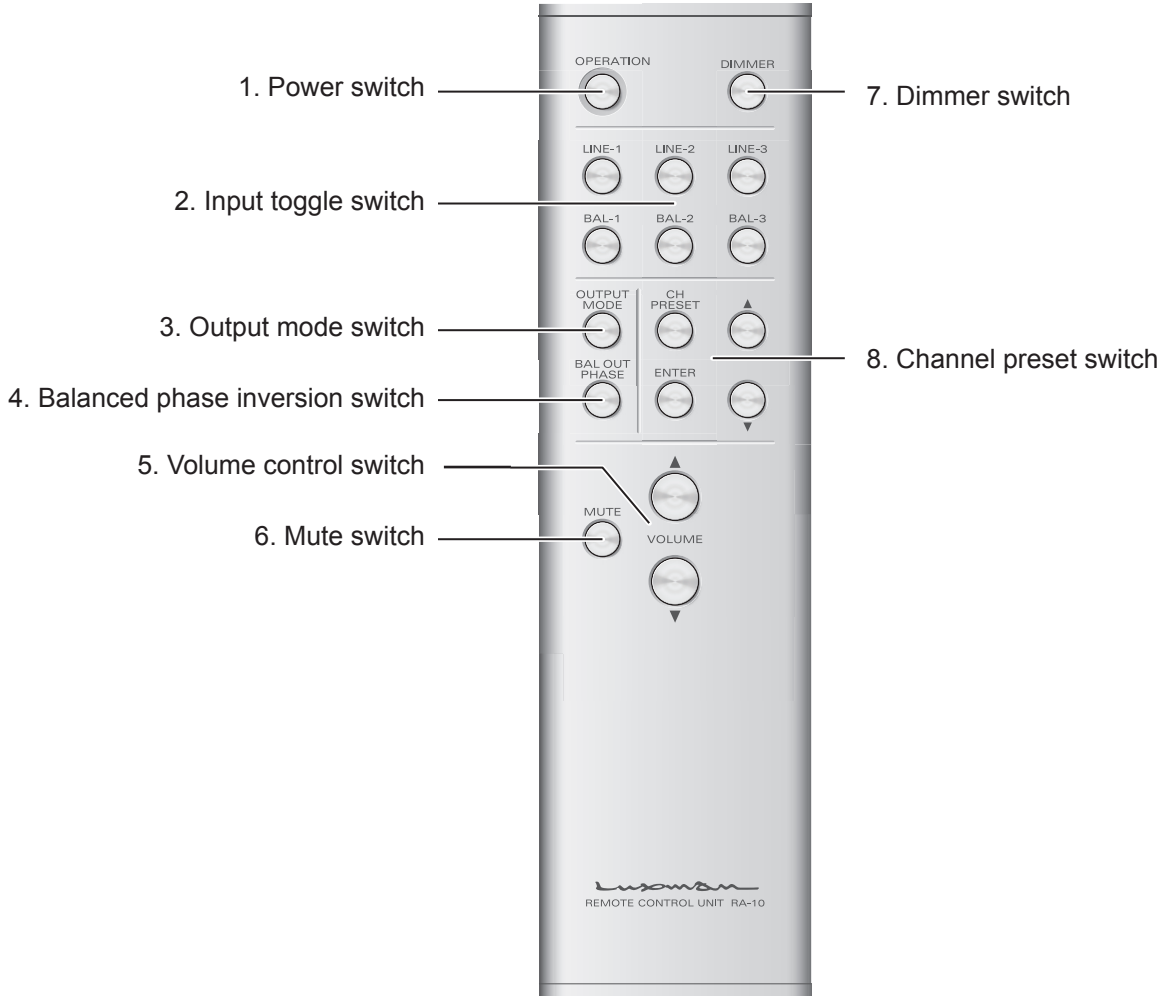
Names and Functions



LUXMAN CORPORATION, JAPAN



Names and Functions



Names and Functions



LUXMAN CORPORATION, JAPAN

11. The memory function of settings

When the power is turned off, the last settings are memorized as follows.

| Item | Settings | Example |
|-------------|-----------------------|----------------------|
| INPUT | Last settings | LINE-1 |
| OUTPUT MODE | Last settings | BALANCE |
| VOLUME | Last settings | -36dB |
| CH PRESET | Last settings of each | L-CH -1dB, R-CH -1dB |
| BAL INVERT | Last settings | INVERT |
| DIMMER | Last settings | Darker |

- The mute status is not an object of the memory and will be released automatically once the power supply is turned off.
- If the main power switch is switched off before the power switch is pressed, the volume settings will be set as mute and the settings, except the volume, will be memorized.

12. Resetting

To reset all settings and changes to factory default, do the following:

(1) Switch the product to standby.

(2) Press and hold the power switch on the product for more than 5 seconds, and then press dimmer switch on the remote control without releasing the power switch. The settings are reset to factory default.

Factory default settings

| Item | Settings |
|-------------|--------------------------|
| INPUT | LINE-1 |
| OUTPUT MODE | UNBALANCE |
| VOLUME | - - dB |
| CH PRESET | 0dB |
| BAL INVERT | OFF |
| MUTE | OFF |
| DIMMER | MAX (maximum brightness) |

13. Prohibition message and important notice

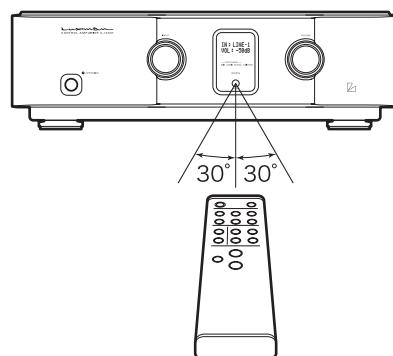
When changing the settings, some of them may not be changed. In this case, one of the following error messages will be displayed.

| Current settings | | | Settings to be changed | Display | Important |
|------------------|--------|----------------|-------------------------------|---|--|
| OUTPUT MODE | PHASE | INPUT | | | |
| UNBALANCE | NORMAL | LINE-1, -2, -3 | BAL OUT PHASE | UNBALANCE MODE!! | Balanced phase cannot be inverted when unbalanced input/output is selected. |
| BI-AMP | NORMAL | LINE-1, -2, -3 | INPUT SELECTOR BAL.-1, -2, -3 | BI-AMP MODE!! | Balanced input cannot be selected when OUTPUT MODE is in the BI-AMP position |
| BI-AMP | NORMAL | LINE-1, -2, -3 | BAL OUT PHASE | BI-AMP MODE!! | Balanced phase cannot be inverted when OUTPUT MODE is in BI-AMP position |
| UNBALANCE | NORMAL | LINE-1, -2, -3 | OUTPUT MODE | IN: BAL-** VOL: -**dB (Display unchanged) | In the balanced input status, BI-AMP MODE cannot be switched even when if the OUTPUT-MODE is changed |



How to Use Remote Control

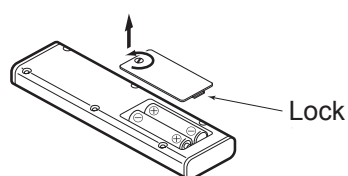
When using the remote control, aim it at the receiving section on the product and use it within the following range.



Effective range about 5m

Battery installation

- (1) Use a coin to rotate the screw on the cover, and then remove the cover from the back of the remote control.
- (2) Insert AAA batteries in the battery pack with the polarity directed according to the diagram on the inner side of the battery cover.
- (3) Insert the lock on the battery cover into the slot on the remote control. Put the cover back and use the coin to rotate and lock the screw.



※ The effective range may become shorter or the switch may work inappropriately if the battery is low. In this case, replace both batteries with new ones.



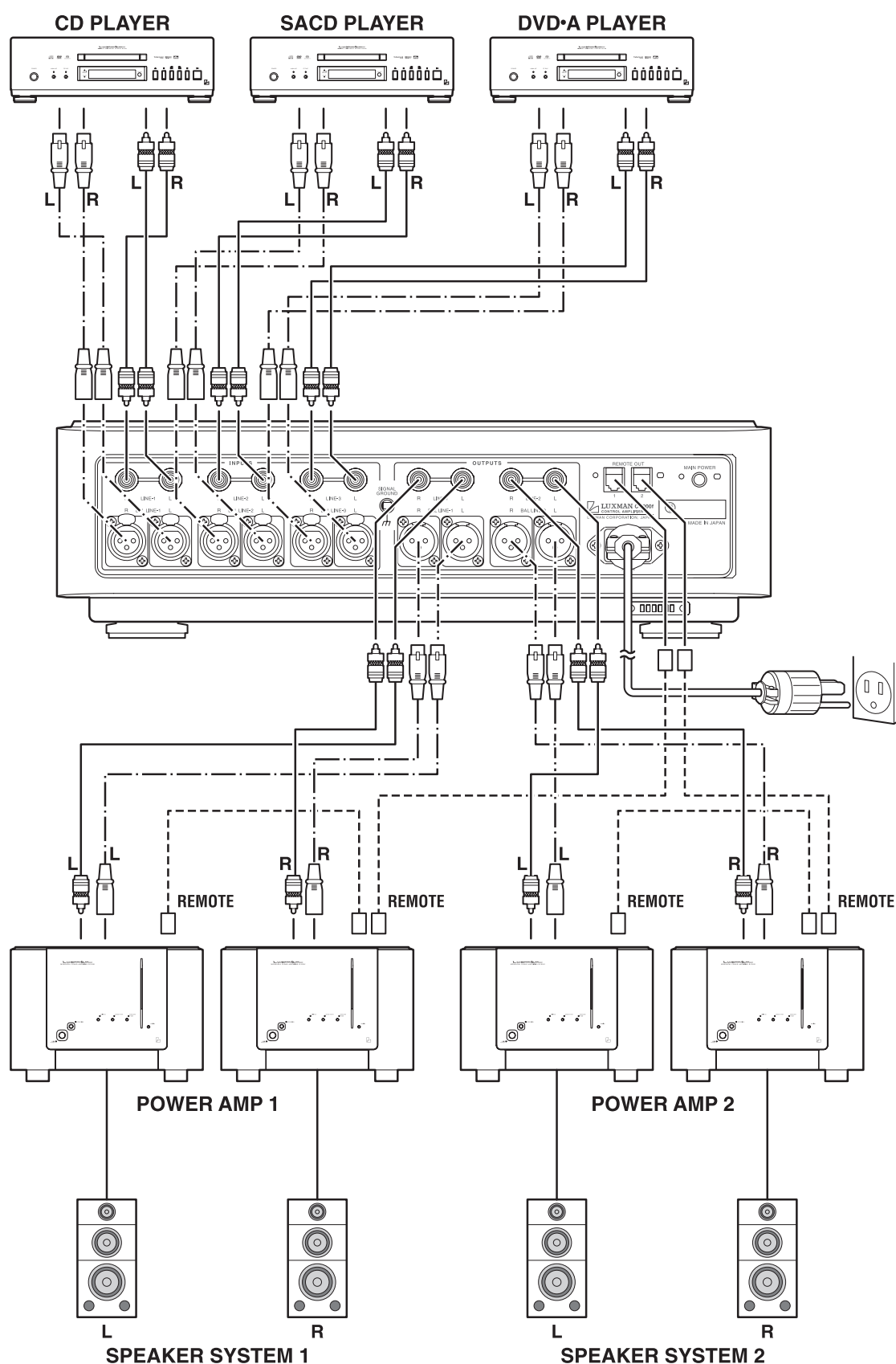


Connections



LUXMAN CORPORATION, JAPAN

Playing stereo





Connections

Preparation before the connection

Before connecting to other devices, plug the attached power cable (3 holes) into the AC inlet of the product.

Power connection

Connect the AC plug of the attached power cable to the AC220V socket in the audio room.

For the AC socket of the congregate housing, the indicator lamp may not go out when the direction of the AC plug is changed. In this case, either direction is correct for the connection.

Connection of the input terminal to the CD player or other input devices

Connect the output terminal of the CD player or other input devices to the input terminal of the product using an AV cable or balanced cable.

Note that the left and right channels should be connected appropriately. Reversed left and right channels will result in poor sound field positioning and stereo will not play appropriately.

When an AV cable is used, low frequency noise will be produced due to loose grounding of the AV cable, if any, and result in S/N ratio deterioration. The plug should be connected appropriately to prevent this result.

The length of the connection cable is not important if the output impedance of the input device connected to the product is extremely low. However, if the connected input device has high output impedance, a shorter connection cable is suggested to prevent unnecessary treble attenuation.

Connection of the output terminal to the power amplifier or other output devices

Connect the input terminal of the power amplifier or other output devices to the output terminal of the product using an AV cable or balanced cable.

Note that the left and right channels should be connected appropriately. Reversed left and right channels will result in poor sound field positioning and the stereo will not play appropriately.

When an AV cable is used, low frequency noise will be produced due to loose grounding of the AV cable, if any, and result in S/N ratio deterioration. The plug should be connected appropriately to prevent this result.

Connection of the remote output terminal to the power amplifier

The dedicated remote cable (non-polarized) attached to the power amplifier should be used to connect the remote input terminal of the power amplifier (e.g. Luxman B-1000f) to the output terminal of the product.

This allows the power of the power amplifier to be turned ON/OFF simultaneously when the power of this product is turned ON/OFF.

There are 2 systems set for the remote output terminal and both output the same signal. Please choose what you prefer.

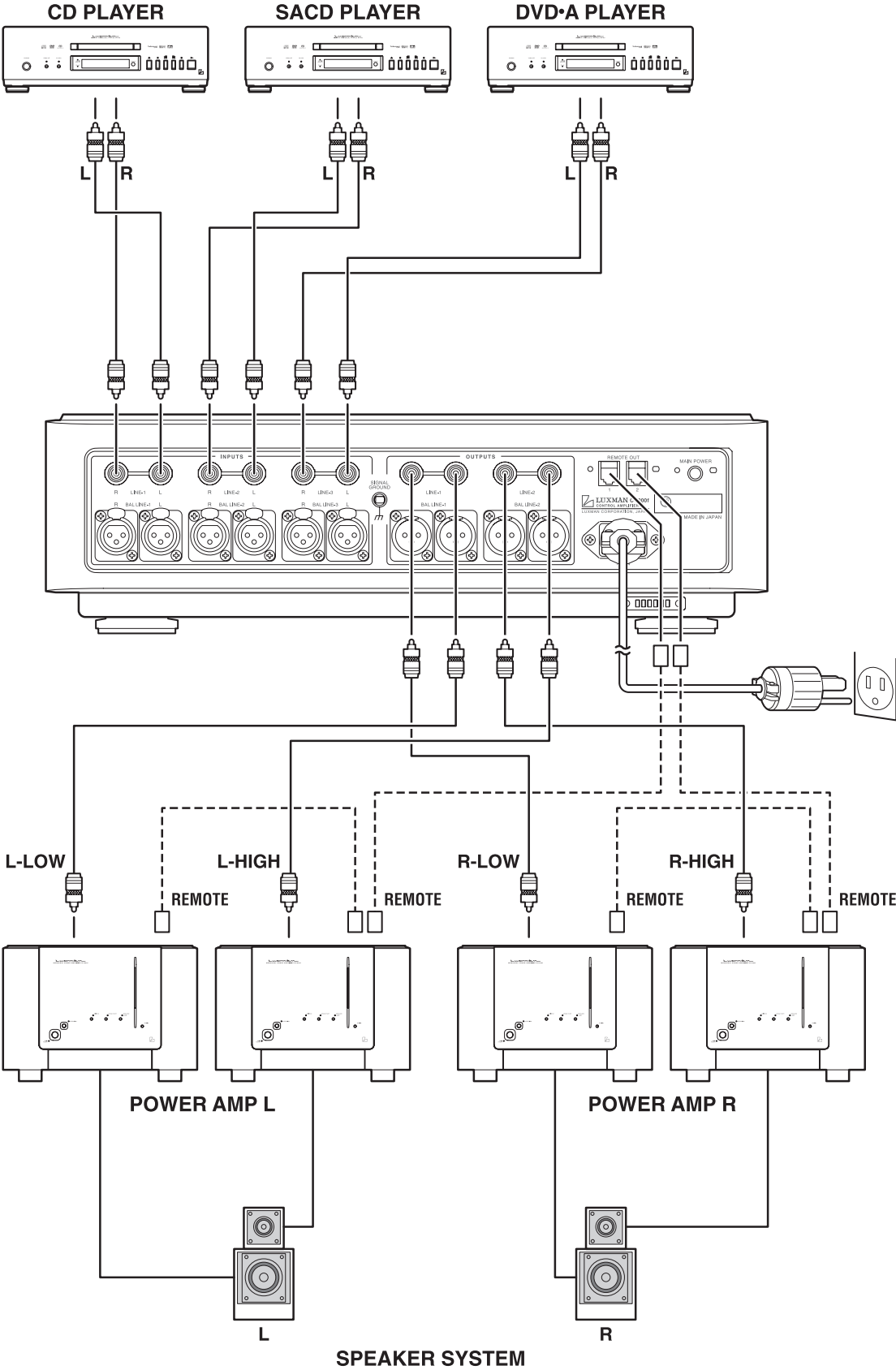
The dedicated remote cable should not be used for purpose other than connection of the Luxman control amplifier and power amplifier. Otherwise, the remote output circuit of the product may be short-circuited resulting in malfunction.

To avoid damaging the amplifier and speaker due to excessive current input, turn OFF the main power switch or change the product to standby mode and also turn OFF the power supply of the input/output device to be connected to the product before the connection. After the connection is completed, check the connection for its correctness before you turn on the product and input/output device.



Connections

Playing bi-amp/stereo



Connections

Connecting the input terminal to the CD player or other input devices

When the product is used in the bi-amp output mode, only the unbalanced input terminal of the product works. In this case, there will be no sound output even if the balanced input terminal is connected.

Connect the unbalanced output terminal of the CD player or other input devices to the unbalanced input terminal of the product using an AV cable.

Note that the left and right channels should be connected appropriately. Reversed left and right channels will result in poor sound field positioning and the stereo will not play appropriately.

When an AV cable is used, low frequency noise will be produced due to loose grounding of the AV cable, if any, and result in S/N ratio deterioration. The plug should be connected appropriately to prevent this result.

The length of the connection cable is not important if the output impedance of the input device connected to the product is extremely low. However, if the connected input device has high output impedance, a shorter connection cable is suggested to prevent unnecessary treble attenuation.

Connecting the output terminal to the power amplifier or other output devices

When the product is used in the bi-amp output mode, only the unbalanced output terminal of the product works. In this case, there will be no sound output even if the balanced output terminal is connected.

Connect the unbalanced input terminal of the power amplifier or other output devices to the unbalanced output terminal of the product using an AV cable.

Note that the left and right channels should be connected appropriately. Reversed left and right channels will result in poor sound field positioning and the stereo will not play appropriately.

When an AV cable is used, low frequency noise will be produced due to loose grounding of the AV cable, if any, and result in S/N ratio deterioration. The plug should be connected appropriately to prevent this result.

The unbalanced LINE-1 L terminal outputs L ch bass while the unbalanced LINE-2 L terminal outputs L ch treble. The unbalanced LINE-1 R terminal outputs R ch bass while the unbalanced LINE-2 R terminal outputs R ch treble.

For the L terminal of LINE-2 and R terminal of LINE-2 that output the treble of L channel and R channel, the volume can be adjusted within $\pm 6\text{dB}$ by the default operation of the remote control with 1dB as the unit.

Connecting the output terminal of the remote control to the power amplifier

The dedicated remote cable (non-polarized) attached to the power amplifier should be used to connect the remote input terminal of the power amplifier (e.g. Luxman B-1000f) to the output terminal of the product.

This allows the power of the power amplifier to be turned ON/OFF simultaneously when the power of the product is turned ON/OFF.

When the mono power amplifier (e.g. B-1000f) is used, connect the remote output terminals 1 and 2 (two systems) of the product to one of the L ch remote input terminals and one of the R ch remote input terminals, respectively, on the power amplifier. And then, connect the remote output terminal of the power amplifier that is connected to the remote output terminal of the product with corresponding channels to the remote input terminal of another power amplifier.

There are 2 systems set for the remote output terminal and both output the same signal. Please choose what you prefer.

The dedicated remote cable should not be used for purposes other than connection of the Luxman control amplifier and power amplifier. Otherwise, the remote output circuit of the product may be short-circuited resulting in malfunction.

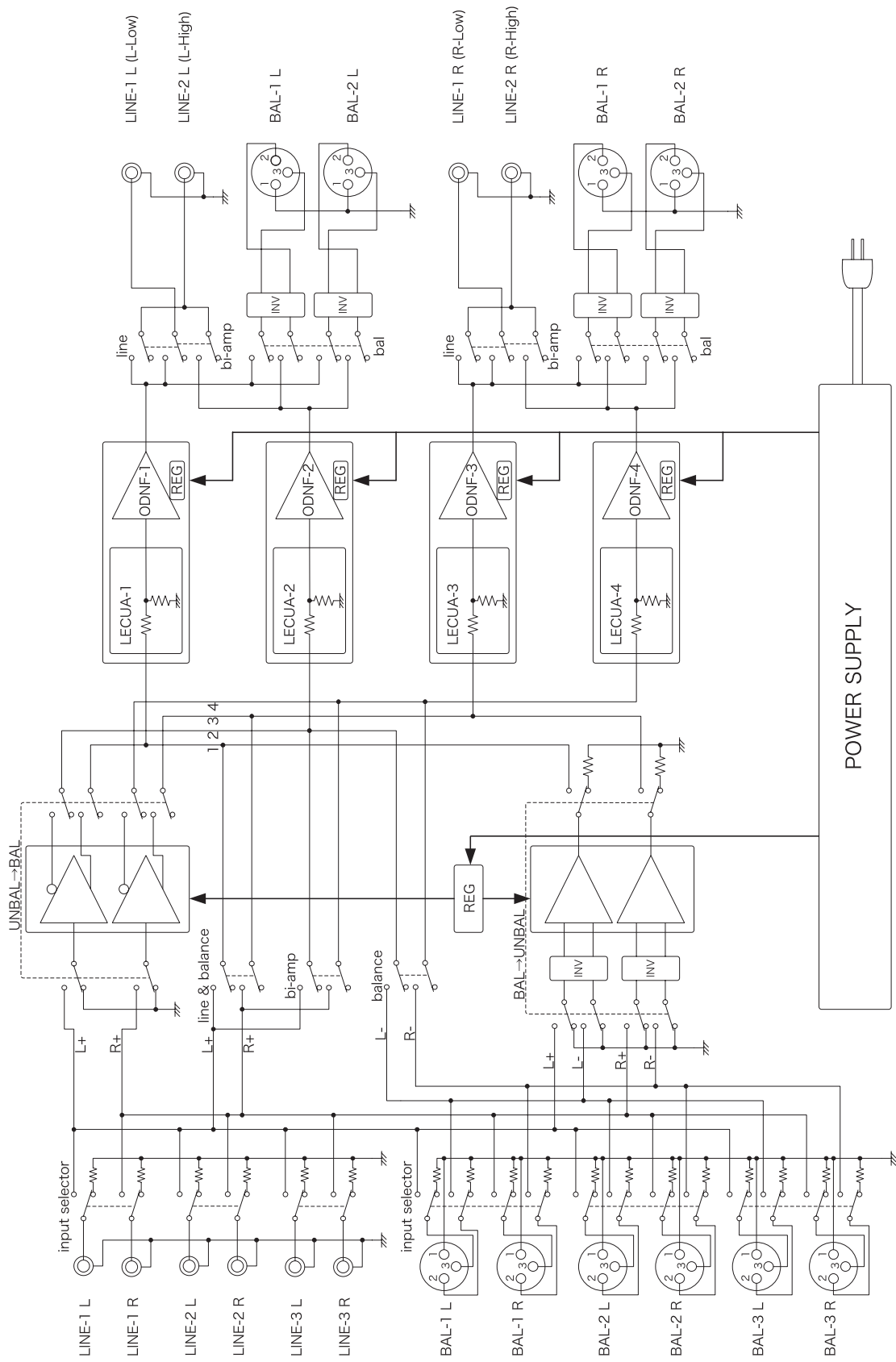


LUXMAN CORPORATION, JAPAN

To avoid damaging the amplifier and speaker due to excessive current input, turn off the main power switch or change the product to the standby mode and also turn off the power supply of the input/output device to be connected to the product before the connection. After the connection is completed, check that the connection is correct before you turn on the product and input/output device.



Block Diagram



Specifications



LUXMAN CORPORATION, JAPAN

| | | |
|---------------------------|--|---|
| Input sensitivity | LINE | 334 mV/1V output/1kHz/load 50kΩ/GAIN 9.5 dB |
| | BAL LINE | 334 mV/1V output/1kHz/load 100kΩ/GAIN 9.5 dB |
| Max. output | LINE | 4.1 V/1 kHz/load 50kΩ/distortion 0.1% |
| | BAL LINE | 8.2 V/1 kHz/load 100kΩ/distortion 0.1% |
| Input impedance | LINE | 50kΩ/ 1 kHz |
| | BAL LINE | 100kΩ/ 1 kHz |
| | LINE not selected | 33.5kΩ/ 1 kHz |
| | BAL LINE not selected | 67kΩ/ 1 kHz |
| Output impedance | LINE | 510Ω/ 1 kHz |
| | BAL LINE | 1020Ω/ 1 kHz |
| Total harmonic distortion | LINE | 0.0017 %/20 Hz/20 kHz/1 V output/load 50kΩ |
| | BAL LINE | 0.0007 %/20 Hz/20 kHz/1 V output/load 100kΩ |
| Frequency characteristics | LINE | +0, -0.1 dB/5 Hz~ 20 kHz/1V output/load 50k Ω |
| | | +0, -3.0 dB/1 Hz~ 118 kHz/1V output/load 50k Ω |
| | BAL LINE | +0, -0.1 dB/5 Hz~ 20 kHz/1V output/load 100k Ω |
| | | +0, -3.0 dB/1 Hz~ 118 kHz/1V output/load 100k Ω |
| S/N ratio | LINE | 124 dB (IHF-A)/load 50kΩ,distortion 0.1%.-71dB |
| | BAL LINE | 127 dB (IHF-A)/load 100kΩ,distortion 0.1%.-71dB |
| Attachments | Power cable Remote control RA-10 AAA battery x 2 Owner's manual Warranty card Safety instructions | |
| Power consumption | 28W (according to the Electrical Appliance and Material Safety Law) | |
| | 2.3W (standby) | |
| Power voltage | AC 230 V (50/60 Hz) , other input voltages available | |
| Max. external dimension | 440 (W) × 134 (H) × 429 (D) mm | |
| Weight | 23 kg | |

* Specification and appearance may be modified from time to time without prior notification.

Before Asking for Repairing Services

During the operation, failures could be misjudged for some reasons. Read the following table and the user manual of the machine used in conjunction with the product to make sure there is one of the following situations.

If the cause of the failure is unknown, contact the service center of the company or the dealer from whom you purchase the product.

After the request for repair is accepted, fees such as the inspection fee and on-site service fee may be charged though no failure is identified with the product.

| Situation | Reason | Countermeasures |
|--|--|---|
| The power supply cannot be switched on after the main power switch is pressed. The standby indicator lamp does not light up. | <ul style="list-style-type: none"> The plug of the power cable becomes loose at the AC socket or it is not be inserted in the socket appropriately. The plug of the power cable becomes loose at the AC port of the product or it is not inserted in the port appropriately. | <ul style="list-style-type: none"> Insert the plug of the power cable into the AC socket appropriately. Insert the plug of the power cable into the AC port of the product appropriately. |
| The power indicator lamp does not light up when the power switch is pressed. | <ul style="list-style-type: none"> The main power switch is OFF. | <ul style="list-style-type: none"> Switch ON the main power switch to light up the standby indicator lamp. |
| The power has been switched on, the product is switching on and the power indicator lamp lights up in blue, but there is no sound. | <ul style="list-style-type: none"> The connected input terminal does not consist with the selected input settings. The connected output terminal does not consist with the selected output mode settings. The connection is not appropriate. The volume control button or the attenuator of the power amplifier is turned off. The mute is turned on. | <ul style="list-style-type: none"> Adjust the input settings to make the displayed input consistent with the input terminal connected from the back panel or the input terminal port of the music player. Adjust the output mode to make the indicator lamps of the connected back panel output terminal and the output terminal of the music player light up. Perform the connecting appropriately. Adjust the volume control button or the attenuator of the power amplifier to obtain the required volume. Press the mute button on the remote control for un-mute. |
| There is sound output, but the volume is low. There is only mono output and the volume is low. | <ul style="list-style-type: none"> The default volume is too small. The attenuator of the power amplifier is turned ON. | <ul style="list-style-type: none"> Adjust the default to obtain required volume. Turn OFF the attenuator. |
| Low frequency noise is heard. (humming or fizzing). | <ul style="list-style-type: none"> The ground end of the cable does not touch the ground. Induced noise produced from the power transformer of other machines is received. The input/output cable and the speaker cable are too close to the power cable. | <ul style="list-style-type: none"> Perform the connecting appropriately. Set up the product at a place far away from other machines. Reconnecting to the power socket port of a different system. Keep the input cable and the speaker cable away from the power cable. |



LUXMAN CORPORATION, JAPAN





Luxman

IAG House, Sovereign Court, Ermine Business Park, Huntingdon, Cambs, PE29 6XU, UK
Tel: +44(0)1480 447700 Fax: +44(0)1480 431767 <http://www.luxman.co.jp>
ラックスマン株式会社 〒222-0033 神奈川県横浜市港北区新横浜1-3-1
tel.045-470-6991 fax.045-470-6997 www.luxman.co.jp
IAG reserve the right to alter design and specification without notice.All rights reserved © IAG Group Ltd.
Luxman is a member of the International Audio Group. CODE: LX10-MNL0014

