marantz ®

Model PM7200 User Guide

Integrated Amplifier
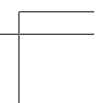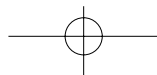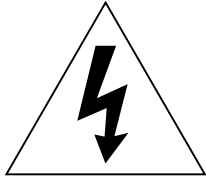
CONTENTS

	CAUTION	
⚡	**RISK OF ELECTRIC SHOCK** **DO NOT OPEN**	!

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,

DO NOT REMOVE COVER (OR BACK)

NO USER-SERVICEABLE PARTS INSIDE

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL
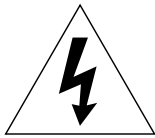
The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call the CATV (Cable-TV) system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read Instructions – All the safety and operating instructions should be read before the product is operated.

2. Retain Instructions – The safety and operating instructions should be retained for future reference.

3. Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.

4. Follow Instructions – All operating and use instructions should be followed.

5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7. Water and Moisture – Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

10. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
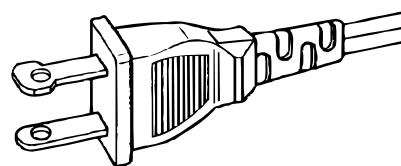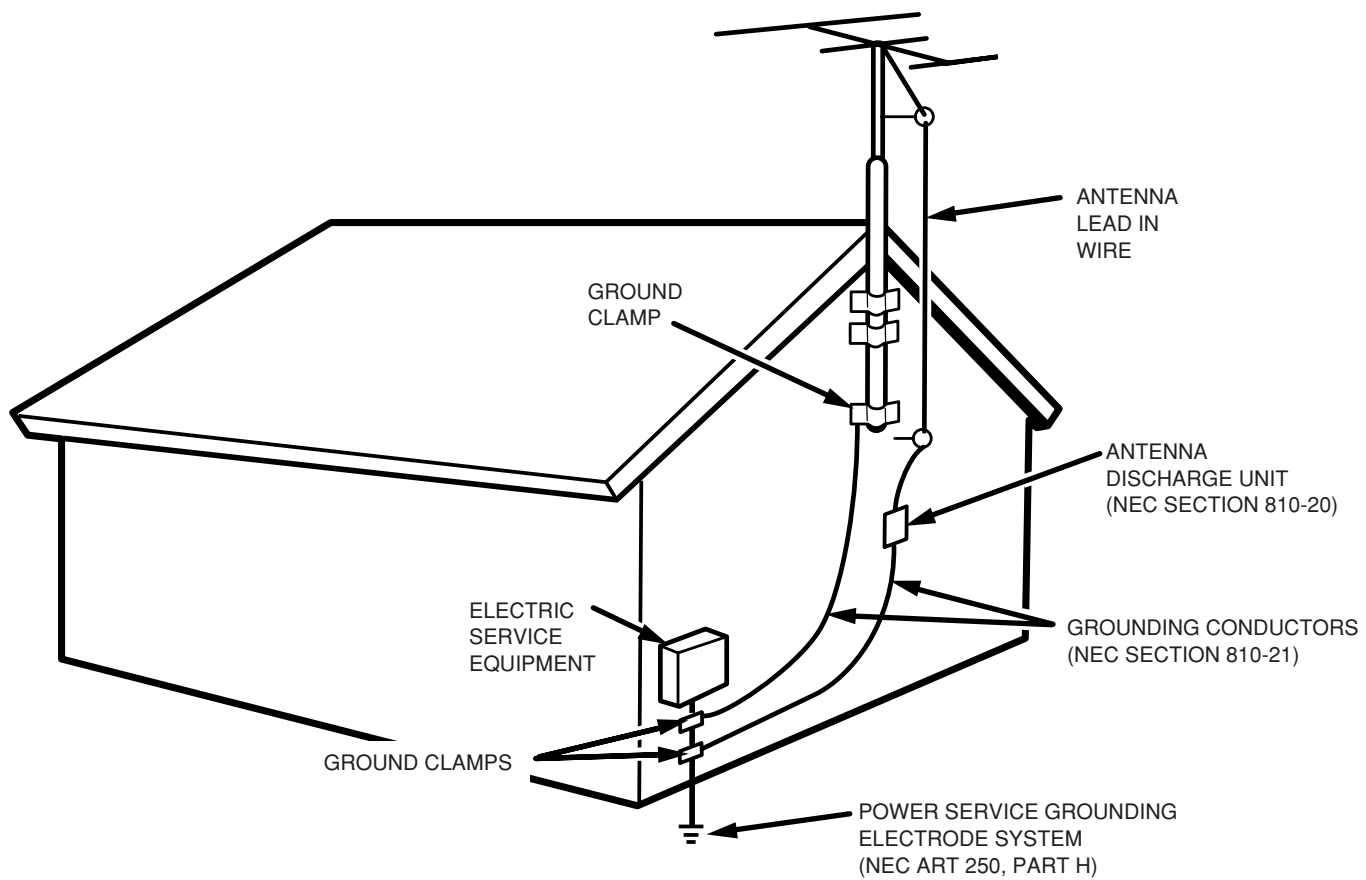
AC POLARIZED PLUG

13. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14. Protective Attachment Plug – The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.

15. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.

16. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

17. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

18. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

19. Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

20. Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

21. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

 a. When the power-supply cord or plug is damaged.

 b. If liquid has been spilled, or objects have fallen into the product.

 c. If the product has been exposed to rain or water.

 d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

 e. If the product has been dropped or damaged in any way, and

 f. When the product exhibits a distinct change in performance – this indicates a need for service.

22. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

23. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

24. Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

25. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

FIGURE 1
EXAMPLE OF ANTENNA GROUNDING AS PER
NATIONAL ELECTRICAL CODE, ANSI/NFPA 70

ANTENNA
LEAD IN
WIRE

GROUND
CLAMP

ANTENNA
DISCHARGE UNIT
(NEC SECTION 810-20)

ELECTRIC
SERVICE
EQUIPMENT

GROUNDING CONDUCTORS
(NEC SECTION 810-21)

GROUND CLAMPS

POWER SERVICE GROUNDING
ELECTRODE SYSTEM
(NEC ART 250, PART H)

NEC - NATIONAL ELECTRICAL CODE

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

ABOUT THIS USER'S GUIDE

Figure numbers refer to the illustrations located at the back of this User's Manual. Numbers assigned to parts and controllers match the callout numbers used inside the illustrations.
ALL UPPER-CASE BOLD type indicates the name of a connection or controller as it is actually marked on the amplifier.

PRECAUTIONS

Note the following important precautions whenever operating the amplifier.

SELECTING A LOCATION

Take a few moments to consider the following points before choosing a place for the amplifier.

— Make sure ventilation holes are not blocked or covered.

— Ensure that air can circulate freely around the amplifier.

— Locate the amplifier on a surface that is free of vibration.

— Choose a place where the amplifier will not be exposed to interference from an external source.

— Avoid excessive heat, cold, moisture, and dust.

— Keep the amplifier out of direct sunlight.

— Do not locate the amplifier where it will be exposed to electrostatic charge.

GENERAL SAFETY PRECAUTIONS

— Never place heavy objects on top of the amplifier.

— Should foreign matter or water get into the interior of the amplifier, immediately turn it off and contact your original dealer or Marantz service provider.

— Never pull on the mains lead when unplugging the amplifier. Grasp the plug itself.

— It is always a good idea to disconnect the amplifier from the mains supply whenever leaving it unattended for long periods or during thunderstorms.

CONNECTIONS

(Figure 1)

CONNECTING A TUNER

Connect the output jacks of your stereo tuner to the **TUNER** jacks of this amplifier.

CONNECTING A COMPACT DISC PLAYER

Connect the output jacks of your CD player to the **CD** jacks of this amplifier.

CONNECTING A TURNTABLE

Connect the L (Left) output cord of the turntable to the **"L"PHONO** jack of this amplifier, and the R (Right) output cord to the **"R"PHONO** jack. If the turntable has a ground wire, make sure you connect it to the **GND** terminal of this amplifier. The **GND** terminal does not need to be connected if the turntable does not have a ground wire.

CONNECTING A TAPE DECK

Connect the IN (recording input) jacks of the tape recorder to the **TAPE OUT** jack of this amplifier, and the OUT (playback output) jacks of the tape recorder to the **TAPE IN** jack.

CONNECTING A PROCESSOR

Connect the IN jacks of the processor to the **PROCESSOR OUT** jack of this amplifier, and the OUT jacks of the processor to the **PROCESSOR IN** jack. When not used, leave these jacks connected with the supplied connecting pins.

CONNECTING A SPEAKER SYSTEM

You amplifier has two sets of **SPEAKER SYSTEM** terminals, which means you can connect either one or two speaker systems.

> **NOTE:**
> Turn the kobes on the speaker terminals by hand. (Do not use a tool to turn the knobs.)

• Connecting One Speaker System

Note the following points when connecting a single speaker system.

— The impedance of each speaker should be between 8 and 16 ohms. Connecting a speaker with impedance less than 8 ohms can causes activation of the amplifier's protection circuitry during play, making normal stereo playback impossible.

— Connect the right channel speaker to the amplifier's **R** terminals, and the left channel speaker to the **L** terminals.

— The output terminals have positive (+: red) and negative (–: black) polarity. Each speaker must also have the same polarity (+/–). Be sure to match the polarity of the amplifier with that of the speakers (+ with +, – with –) when making connections.

• Connecting Two Speaker Systems

Make sure that the impedance of each speaker is at least 16 ohms. Connecting a speaker with impedance less than 16 ohms can causes activation of the amplifier's protection circuitry during play, making normal stereo playback impossible.

CONTROLS, CONNECTORS, AND INDICATORS

(Figure 2)

① **REMOTE CONTROL BUS TERMINALS (REMOTE CONT. BUS)**

These terminals can used to connect other audio equipment that is equipped with a remote control bus terminal. Connection requires a special cable. The bus **OUT** terminal sends signal to the connected equipment, while the bus **IN** terminals receive signals.

② **AUX1/AUX2 INPUT JACKS**

These auxiliary input jacks can be used to connect the audio output of a TV multiplex/stereo audio tuner, VCR, laserdisc system, or other AV component audio output.

③ **TUNER INPUT JACKS**

Connect these jacks to the output jacks of your tuner.

④ **CD INPUT JACKS**

Connect these jacks to the output jacks of your compact disc player.

⑤ **PHONO INPUT JACKS**

Connect these jacks to the output jacks of your turntable. These input jacks are exclusive for a turntable equipped with MM (Moving Magnet) cartridge.

⑥ **TAPE, CD-R/MD IN/OUT JACKS**

Connect these jacks to the play (output) and record (input) jacks of your recorders. Up to two decks can be connected.

⑦ **PROCESSOR IN/OUT JACKS**

Use these jacks to connect a graphic equalizer or other analog audio processor. When not used, leave these jacks connected with the supplied connecting pins.

⑧ **GROUND TERMINAL**

If your turntable has a grounding wire, connect it to this terminal.

⑨ **SPEAKER SYSTEMS**

Connect your speaker system(s) to these terminals. There are two sets of terminals, so you can connect either one or two speaker systems.

⑩ **AC OUTLETS (SWITCHED)**

Connect the power cord of another piece of equipment (VCR, tuner, CD) when you want the power of the connected equipment automatically turned on whenever you turn on this amplifier. For this to work correctly, the power switch of the connected equipment must be left on. Normally, the audio output of the connected equipment is also connected to this amplifier. Note that the total power consumption of the connected all equipment must not exceed 120W.

⑪ **POWER CORD**

Connect the power cord to a standard household power outlet.

⑫ **POWER SWITCH**

Press this switch to turn power on (depressed) and off (raised). Note that the power of any equipment connected to the switched AC outlet on the rear panel (see ⑩ above) is also turned on and off by operating this switch.
Turning on the power causes the **POWER** indicator to light, and the **POWER** indicator goes out when power is turned off.
While the **POWER** switch is in the ON position (depressed), you can put use the remote control unit's **SYSTEM POWER ON** and **OFF** button to switch the amplifier between standby (indicated when the ㉖ **STANDBY** indicator is lit) and power on.

⑬ **CLASS A INDICATOR**

This indicator lights when the amplifier is in the Class A operation mode. See "㉓ Class A Switch" for details.

⑭ **TAPE,CD-R/MD SELECTOR BUTTONS**

Press one of these switches to select a connected tape deck or CD-R/MD for monitoring or playback. Pressing a **TAPE,CD-R/MD SELECTOR** button causes the indicator above it to light.
Pressing a **TAPE,CD-R/MD SELECTOR** button while the amplifier is in the Standby Mode automatically turns power back on.

⑮ **INPUT SELECTOR**

Use this selector to specify **PHONO**, **CD**, **TUNER**, **AUX 1**, or **AUX 2** as the program source for recording or play. Selecting a program source causes the indicator above it to light.
Changing the **INPUT SELECTOR** setting while the amplifier is in the Standby Mode automatically turns power back on.

⑯ **REMOTE SENSOR**

The remote sensor receive infrared commands from the remote control unit. Note that the remote control unit must be pointed directly at the remote sensor for proper operation.

⑰ **VOLUME CONTROL**

Rotate this knob clockwise to increase volume, and counter-clockwise to decrease volume.

⑱ **MUTING INDICATOR**

This indicator lights when muting is activated by pressing the remote control unit's **MUTE** button.

> **IMPORTANT:**
> Be sure to double check the **VOLUME** control setting before pressing the remote control unit's **MUTE** button to cancel muting. Restoring audio output while the **VOLUME** control setting is too high can damage your speakers.

⑲ **BALANCE CONTROL**

Rotate this knob to shift the balance of stereo output left and right. Note that turning the **BALANCE** control all the way in either direction causes output from the other side to be eliminated entirely.

⑳ **RECORD (REC) SELECTOR SWITCH**

Use this switch to select recording between the tape deck and CD-R/MD or recording of the signal selected by the **INPUT SELECTOR SWITCH** and out put from the **REC OUT** jacks.
See the note under "Tape Deck, CD-R/MD Operation" on page 4 for full details about settings.

㉑ **SOURCE DIRECT SWITCH**

Press this switch to turn **SOURCE DIRECT** on (depressed) and off (raised).
When **SOURCE DIRECT** is turned on, the audio signal path is as short and direct as possible in order to enjoy high-quality sources under the best conditions possible.

> **NOTE:**
> Tape and CD-R/MD playback and recording are not possible when the **SOURCE DIRECT** switch is on. The **TONE** and **BALANCE** controls are also disabled. Any graphic equalizer or other such component that is connected to the **PROCESSOR IN/OUT** jacks will not have any effect. In order to use any of these components or controls, it is necessary to turn the **SOURCE DIRECT** switch off.

㉒ **BASS AND TREBLE TONE CONTROLS**

Use these controls to control the levels of their corresponding frequency bands. **TREBLE** adjusts the high frequency band, while **BASS** adjusts the low frequency band. Rotating a control towards (+) enhance the frequency band, while rotating towards (−) attenuates the frequency band.

㉓ **CLASS A SWITCH**

Press this switch while amplifier power is turned off to switch between Class A (25W, 8 ohms) and Class AB (95W, 8 ohms) amplifier operation. The **CLASS A** indicator is lit while Class A operation is selected, and Class AB operation is indicated when the **CLASS A** indicator is not lit.

IMPORTANT:

The top cover may become hot during Class A operation, but this does not indicate malfunction. Note, however, that you should never place anything on top of this amplifier. Doing so can block ventilation holes, resulting a build up of heat and malfunction of or damage to the amplifier.

㉔ **SPEAKER SWITCHES 1/2**

Use these switches to turn speaker output on (depressed) and off (raised). You can turn off speaker output when listening to output over headphones.
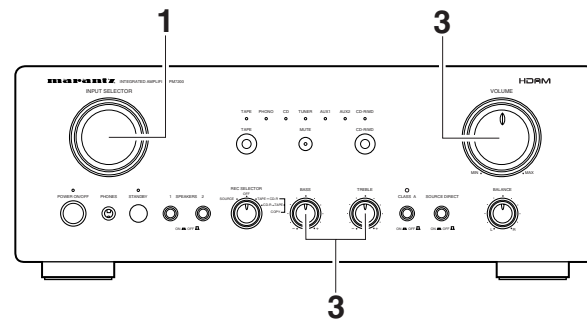
㉕ **PHONES JACK**

Use the jack to plug in headphones that are equipped with a standard phone jack.

㉖ **STANDBY INDICATOR**

This indicator is lit while the amplifier is in the Standby Mode. Pressing the remote control unit's **POWER** buttons switches the amplifier between standby and power on.

OPERATION

Perform the applicable operation on the connected equipment.

TO PLAY AN ANALOG RECORD

1. Set **INPUT SELECTOR** to **PHONO**.
2. Play the record on the turntable.
3. Use **VOLUME** to adjust volume, and **BASS** and **TREBLE** to adjust the tone.

NOTE:

- Be sure the set **VOLUME** to is minimum setting before placing the stylus onto the record or before replacing the turntable's cartridge.
- Never subject the turntable to shock or vibration while a record is playing. This can cause the stylus to jump and possible damage the record.
- Locating your turntable too close to the speakers can cause howling, which will make it impossible to use higher volume settings.
- Never turn off power while the stylus is in contact with the surface of the record.

TO LISTEN TO AN FM/AM BROADCAST

1. Set **INPUT SELECTOR** to **TUNER**.
2. Tune in the desired station on the tuner.
3. Use **VOLUME** to adjust volume, and **BASS** and **TREBLE** to adjust the tone.

TO PLAY A COMPACT DISC
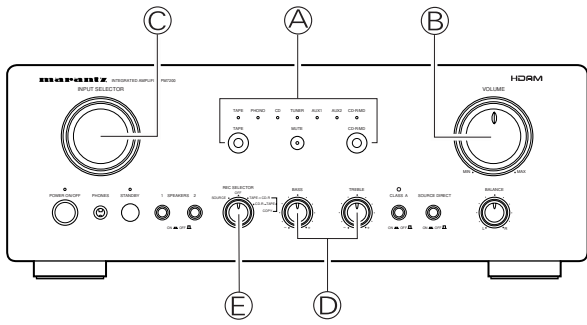
1. Set **INPUT SELECTOR** to **CD**.
2. Play a CD on the CD player.
3. Use **VOLUME** to adjust volume, and **BASS** and **TREBLE** to adjust the tone.

TO PLAY EQUIPMENT CONNECTED TO THE AUX 1 OR AUX 2 JACKS

1. Set **INPUT SELECTOR** to **AUX1** or **AUX2**.
2. Set up the connected equipment for play.
3. Use **VOLUME** to adjust volume, and **BASS** and **TREBLE** to adjust the tone.

3

TAPE DECK, CD-R/MD OPERATION

Ⓒ   Ⓐ   Ⓑ

marantz

Ⓔ   Ⓓ

Perform the applicable operation on the connected tape deck.

TO PLAY BACK FROM A TAPE OR CD-R/MD

1. Press **TAPE** or CD-R/MD Ⓐ to the indicator above the switch is lit.
2. Play a tape on the tape deck or CD-R/MD disc.
3. Use **VOLUME** Ⓑ to adjust volume.
4. Use **BASS** and **TREBLE** Ⓓ to adjust the tone.

NOTE:

You can play back from a tape regardless of the **INPUT SELEC-TOR** Ⓒ setting.

TO RECORD TO A TAPE OR CD-R/MD

1. Set **INPUT SELECTOR** Ⓒ to **PHONO**, **CD**, **TUNER**, **AUX 1**, or **AUX 2** to select the source you want to record from.
2. Use the **REC SELECTOR** Ⓔ to specify the type of recording you want to perform.
3. Start play on the selected source.
4. Perform the applicable operation on the connected tape deck to record the output from the selected source.

NOTE:

The **SOURCE DIRECT** switch must be turned off (raised) in order to record to a tape deck. Recording will not possible when **SOURCE DIRECT** is turned on (depressed).

USING THE REC SELECTOR

Use the **REC SELECTOR** Ⓔ to specify the type of recording you want to perform.

1. The **OFF** setting cuts off all signal output from the **REC OUT** jacks. Note that **REC SELECTOR** Ⓔshould normally be in the **OFF** setting except when you are recording to tape. The **OFF** setting shortens the signal path within the amplifier, which minimizes crosstalk and other factors that can cause deterioration of the sound.
2. **SOURCE** sets up for recording the signal from the source selected by **INPUT SELECTOR** Ⓒ.
3. **COPY** sets up for recording from **TAPE** to **CD-R**, or from **CD-R** to **TAPE**. You can listen to the output from another source while recording in the **COPY** position by selecting the source you want with **INPUT SELECTOR** Ⓒ.

4

REMOTE CONTROL UNIT RC 8000PM

The RC8000PM remote control unit can be used to control any Marantz AV equipment that has a remote sensor, as well as other Marantz equipment connected to the main equipment's remote control bus. The buttons of the remote control unit are arranged on the control panel according to functional groups as shown in the illustration below.

See the relevant user manuals for details on combination equipment as operation content may differ depending on the equipment combined.

RC8000PM
SYSTEM REMOTE CONTROLLER
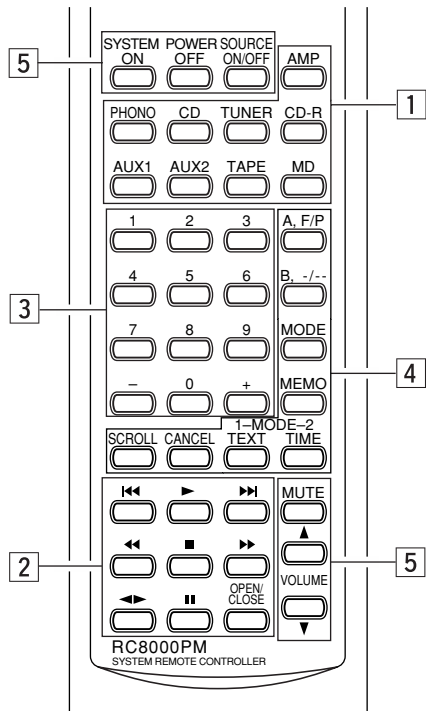
1 **Amplifier Source Buttons***
Use these buttons to select the amplifier's program source.

2 **Player Operation Buttons**
Use these buttons to control operation of a VCR, CD player, etc.

3 **Numeric Key Pad**
Use these buttons to input buttons for control of a tuner, CD player, etc.

4 **Player/Tuner Auxiliary Operation Buttons**
Use these buttons to control the mode switching and track jump operations of a tuner, CD, etc.

5 **Amplifier Operation Buttons**
Use these buttons to control power on/Standby, volume level, etc.
SYSTEM POWER ON : Power supply is ON for the Unit.
SYSTEM POWER OFF : Power supply is OFF for the Unit.
SOURCE ON/OFF :
Power supply is ON/OFF for equipment selected by the 1 button.
MUTE : Mutes amp(this equipment's) sound.
VOL ▲ : Increases this equipment's volume.
VOL ▼ : Decreases this equipment's volume.

* Pressing an amplifier source button in group 1 to select a source causes the buttons in groups 2, 3 and 4 to take on functions to control the selected source equipment (except for PHONO and AMP button).
The following tables shows the functions of buttons in these groups for each available amplifier source.

CD BUTTON

The following are the functions assigned to control buttons after the **CD** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	Play
▶▶	Fast-forward
◀◀	Fast-reverse
◀▶	None
■	Stop
❚❚	Pause
OPEN/CLOSE	Open/Close
+	Next Track
–	Previous Track
A, F/P	Disc Select down
B, –/—	Disc Select up
MODE	Auto Music Scan (AMS)
MEMO	Store
TEXT (MODE 1)	Text
TIME (MODE 2)	Time
▶▶❘	Next Track
❘◀◀	Previous Track
SCROLL	Scroll
CANCEL	Cancel

TUNER BUTTON

The following are the functions assigned to control buttons after the **TUNER** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	None
▶▶	Tuning up
◀◀	Tuning down
◀▶	None
■	None
❚❚	None
OPEN/CLOSE	None
+	Preset up
–	Preset down
A, F/P	Channel/Frequency/Preset
B, –/—	1/2/3 Digits
MODE	Stereo/Mono
MEMO	Store
TEXT (MODE 1)	None
TIME (MODE 2)	None
▶▶❘	None
❘◀◀	None
SCROLL	Display
CANCEL	Cancel

CD-R BUTTON

The following are the functions assigned to control buttons after the **CD-R** amplifier source button is pressed.

BUTTON NAME	FUNCTION
►	Play
►►	Fast-forward
◄◄	Fast-reverse
◄►	None
■	Stop
❙❙	Pause
OPEN/CLOSE	Open/Close
+	Next track
–	Previous track
A, F/P	None
B, –/––	None
MODE	Auto Music Scan (AMS)
MEMO	Store
TEXT (MODE 1)	Text
TIME (MODE 2)	Time
►►❙	Next track
❙◄◄	Previous track
SCROLL	Scroll
CANCEL	Cancel

AUX 2 BUTTON

The following are the functions assigned to control buttons after the **AUX 2** amplifier source button is pressed.

BUTTON NAME	FUNCTION
►	VCR Play
►►	VCR Fast-forward
◄◄	VCR Rewind
◄►	None
■	VCR Stop
❙❙	VCR Pause
OPEN/CLOSE	Tape Eject
+	Step up
–	Step down
A, F/P	Channel/Preset
B, –/––	1/2/3 Digits
MODE	Sound Select
MEMO	Store (Memo Rew.)
TEXT (MODE 1)	Text ↔ TV Station
TIME (MODE 2)	Scroll Display (Time)
►►❙	VCR Fast Run FWD
❙◄◄	VCR Fast Run REV
SCROLL	None
CANCEL	None

AUX 1 BUTTON

The following are the functions assigned to control buttons after the **AUX 1** amplifier source button is pressed.

BUTTON NAME	FUNCTION
►	VCR Play
►►	VCR Fast-forward
◄◄	VCR Rewind
◄►	None
■	VCR Stop
❙❙	VCR Pause
OPEN/CLOSE	Tape Eject
+	Channel/Program up
–	Channel/Program down
A, F/P	Channel/Frequency/Preset
B, –/––	1/2/3 Digits
MODE	Sound Select
MEMO	Store
TEXT (MODE 1)	TV Station ↔ Text
TIME (MODE 2)	Scroll Display (Time)
►►❙	VCR Fast Run FWD
❙◄◄	VCR Fast Run REV
SCROLL	None
CANCEL	None

TAPE BUTTON

The following are the functions assigned to control buttons after the **TAPE** amplifier source button is pressed.

| BUTTON NAME	FUNCTION
►	Play
►►	Fast-forward
◄◄	Rewind
◄►	Direction Switch
■	Stop
❙❙	Pause
OPEN/CLOSE	Eject
+	Next
–	Previous
A, F/P	Deck A
B, –/––	Deck B
MODE	Auto Music Scan (AMS)
MEMO	Store
TEXT (MODE 1)	Scroll Display (Text)
TIME (MODE 2)	Scroll Display (Time)
►►❙	Next
❙◄◄	Previous
SCROLL	None
CANCEL	Cancel

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MD BUTTON

The following are the functions assigned to control buttons after the **MD** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	Play
▶▶	Fast-forward
◀◀	Rewind
◀▶	None
■	Stop
❚❚	Pause
OPEN/CLOSE	Eject
+	Next
–	Previous
A, F/P	Edit
B, –/—	Enter
MODE	Monitor
MEMO	Store
TEXT (MODE 1)	None
TIME (MODE 2)	Time
▶▶❘	Next
❘◀◀	Previous
SCROLL	Scroll
CANCEL	Delete

USING THE REMOTE CONTROL UNIT

When operating the remote control unit (RC8000PM), point its transmitter directly at the remote sensor, which is located on the front of the amplifier. Make sure the remote control unit is no further than about 5 meters from the remote sensor. Remote control operation may not be possible if the remote control unit's transmitter is not pointing directly at the remote sensor, or if there is an obstruction between the transmitter and sensor.

Remote Control Operating Range

Amplifier (PM7200)

Approximately 5 meters

60°

Remote Control Unit RC8000PM
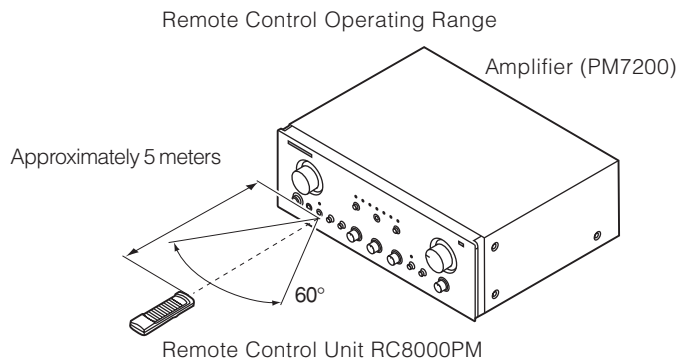
REMOTE CONTROL UNIT BATTERIES

Remote control unit batteries should last for about one year under normal conditions. Replace batteries as soon as possible whenever they show signs of running low. Also, be sure to remove the batteries if you do not plan to use the remote control unit for a long time.

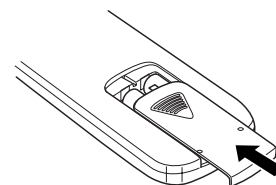**TO LOAD REMOTE CONTROL UNIT BATTERIES**

(1) Remove the battery compartment cover.

Back of Remote Control Unit (RC8000PM)
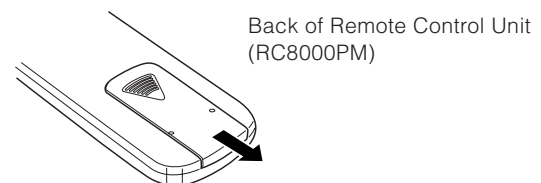
(2) Load two batteries, making sure their positive (+) and negative (–) ends are facing correctly.

Two AA-size (R6) (UM-3) batteries
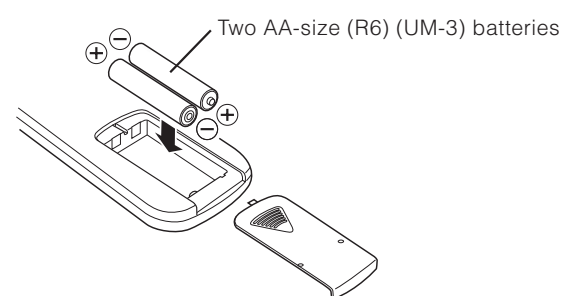
(3) Slide the battery compartment cover back into place and press until it clicks shut.

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CARE AND MAINTENANCE

This section describes care and maintenance that you must perform in order to make sure your Marantz amplifier performs at the level for which it is designed. Be sure to unplug the amplifier from the mains supply before any care and maintenance.

NORMAL CLEANING

The exterior of your amplifier will last indefinitely with proper care and cleaning. For normal cleaning, wipe exterior surfaces with a soft, lint-free cloth.

IMPORTANT:

Any of the following will mar the finish of your amplifier and should never be used for cleaning.

— Scouring pads, steel wool, abrasive powders

— Harsh chemical agents (such as a lye solution)

— Alcohol, thinners, benzine, insecticide, or other volatile agents.

SPECIAL CLEANING

Should it amplifier ever become so soiled that normally cleaning is not enough, use the following procedure for cleaning.

1. Prepare a cleaning solution of one part mild neutral liquid detergent and six parts water.

2. Moisten a soft, lint-free cloth in the cleaning solution and then wring out all excess moisture from the cloth.

3. Wipe off the amplifier with the damp cloth.

4. Dry the amplifier by wiping it with a soft dry cloth.

REPAIRS

Only the most competent and qualified serviced technicians should be allowed to service this amplifier. Marantz and its factory-trained warranty personnel have the special knowledge and facilities required for the repair and calibration of this amplifier. After expiration of the warranty period, repairs can be performed for a separate charge.

Whenever you experience problems, first try to solve the problem yourself using the troubleshooting procedures provided on this page. If this does not work, contact your original dealer or write directly to your nearest service provider as listed on the Marantz Authorised Service Station list. When you write, be sure to include the model and serial number of your amplifier, together with a detailed description of the problem.

TROUBLESHOOTING

Whenever you have a problem with the amplifier, check the following points before requesting service. What may seem to be a serious malfunction is often the result of a simple operational error. If you still have problems, contact your original dealer or write directly to your nearest service provider as listed on the Marantz Authorised Service Station list.

The amplifier does not operate and indicators do not light.

1. Check to see if the power cord is correctly inserted into a power outlet.

Indicators light, but the amplifier does not operate.

1. Check the **SELECTOR** and **VOLUME** settings.

2. Check to see if the supplied connecting pins are correctly inserted into the **PROCESSOR IN/OUT** jacks.

Sound is being produced by only one speaker.

1. Check the **BALANCE** setting.

2. Turn off the amplifier and switch the connections of the left and right speaker cords. If the same speaker still does not produce sound, it probably means that the connection cord or the speaker itself is defective.

Considerable humming is produced when playing from a turntable.

1. Check to see if the plugs from the turntable are properly connected to the amplifier's **PHONO** jacks.

2. Connect the turntable's ground wire to the **GND** terminal on the rear panel of the amplifier. If the ground wire is already connected, try disconnecting it.

3. Check to make sure that the turntable's phono cartridge is securely attached to the tone arm.

Cannot perform remote operation.

1. Make sure the remote control unit's (RC8000PM) transmitter is pointed directly as the amplifier's remote sensor when you perform a remote control unit operation.

2. Check for obstructions between the remote control unit's transmitter and the amplifier's remote sensor.

3. Check the batteries of the remote control unit.

4. Make sure there is no strong light (from a window or other source) shining on the amplifier's remote sensor.

5. Check to see if there is an RCA cord connected to the **REMOTE CONTROL IN** jack on the amplifier's rear panel.

MODEL PM7200 TECHNICAL SPECIFICATIONS

Power output (class AB operation)

RMS 8 ohms (20 Hz-20 kHz) .... 95 W
DIN 8 ohms .... 105 W
THD at 8 ohms RMS rated output 0.03%
Damping factor 150

Power output (classA operation)

RMS 8 ohms (20 Hz-20 kHz) .... 25 W
DIN 8 ohms .... 28 W
THD at 8 ohms RMS rated output .... 0.03 %
Damping factor 150

IHF dynamic power (class AB operation)

8 ohms .... 120 W

IHF dynamic power (classA operation)

8 ohms .... 35 W

Magnetic cartridge input

Input sensitivity impedance .... 2.5 mV/47 kOhm
Accuracy of frequency response to IEC RIAA .... 0.5 dB
Signal to noise ratio .... 85 dB

Tuner/CD/Aux/Tape inputs

Input sensitivity impedance .... 150 mV/40 kOhm
Signal to noise ratio .... 88 dB
Frequency response (–1 dB limits, Source Direct) .... 10 Hz - 50 kHz
Tone characteristic (100 Hz and 10 kHz) .... ±8 dB
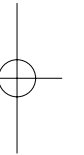Channel separation (1 kHz/10 kHz, Source direct) .... >80/>70 dB

General

Power Requirements .... 120V, 60 Hz
Dimensions
    Width .... 440 mm
    Height .... 159 mm
    Depth .... 374.5 mm
Weight
    Unit alone .... 12.3 kg

Specifications subject to change without prior notice.

Dimensions
[mm]

Processor

Tape Deck

Input Output Output Input

Tuner

SPEAKER SYSTEMS

SYSTEM 1	:	MINIMUM 8 OHMS
SYSTEM 2	:	MINIMUM 8 OHMS
SYSTEM 1 AND 2	:	MINIMUM 16 OHMS

PROCESSOR IN
OUT
AUX2
AUX1
TUNER
CD
PHONO

IN
CD-R/M
OUT
IN
TAPE
OUT
R L

R — SYSTEM 2 — L

R — SYSTEM 1 — L

Output

CD player

Turntable

R — SYSTEM 2 — L

R — SYSTEM 1 — L
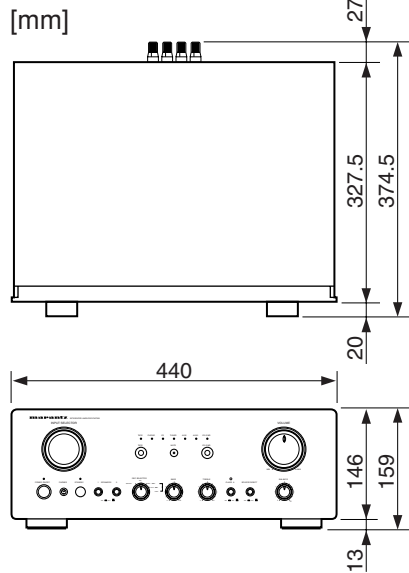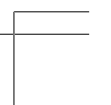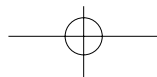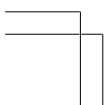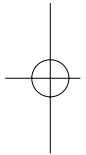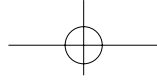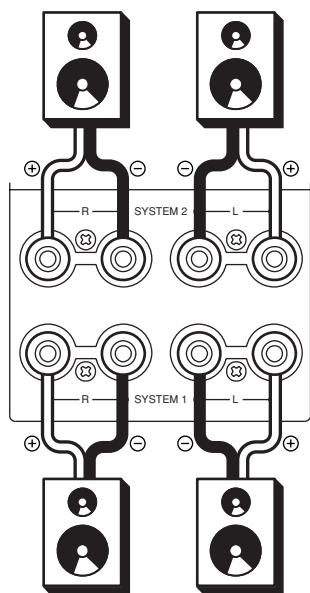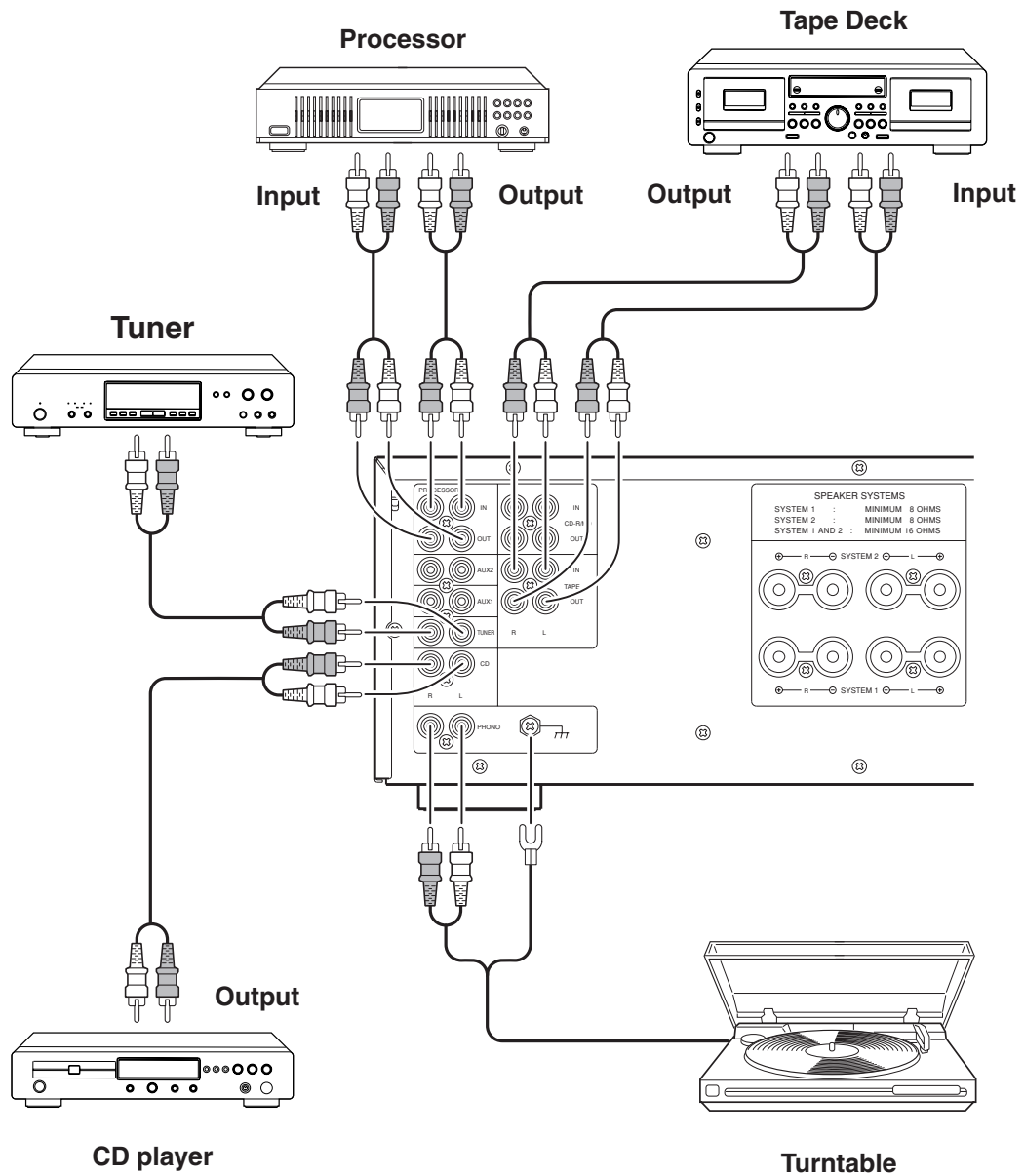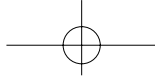
NOTE:

Turn the knobs on the speaker terminals by hand.
(Do not use a tool to turn the knobs.)

5 mm

Loosen the terminal   Insert the core   Tighten the terminal
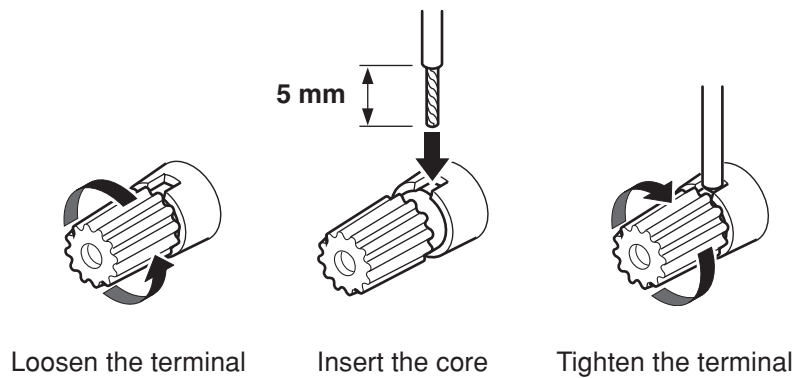
Connection of speaker cable

Figure 1

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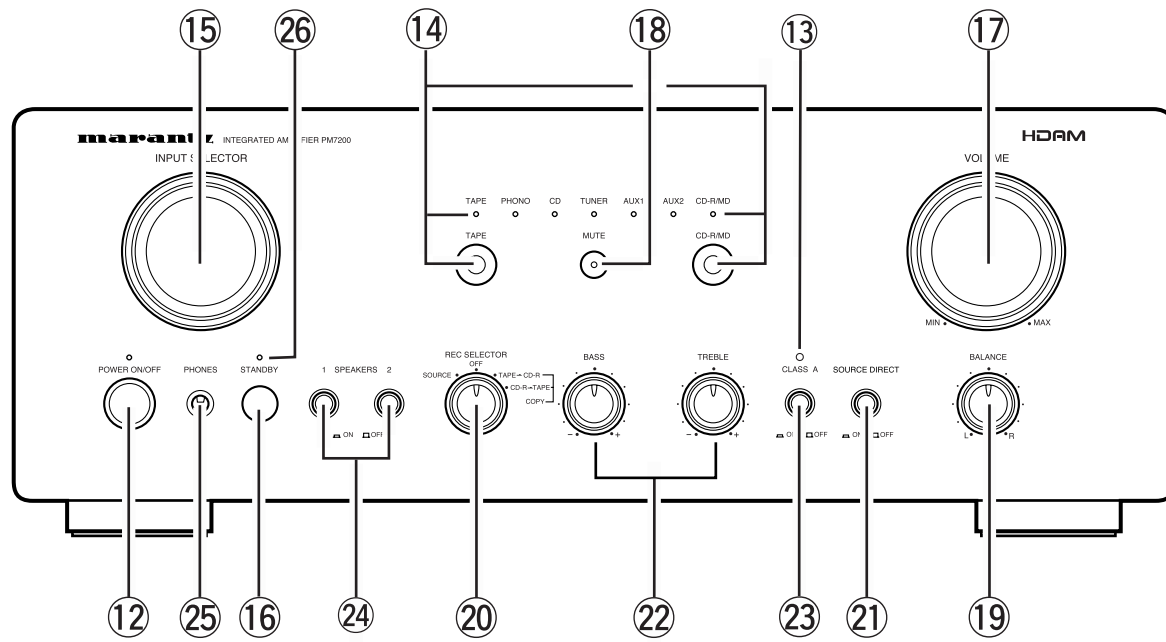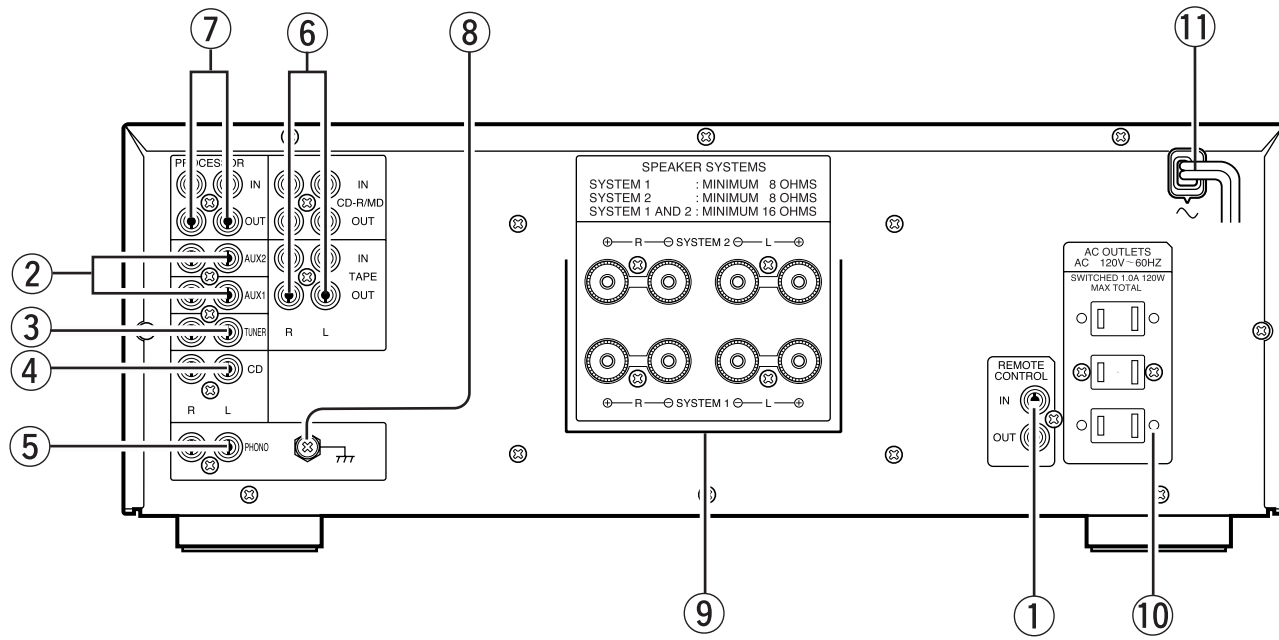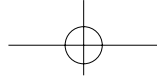
Figure 2
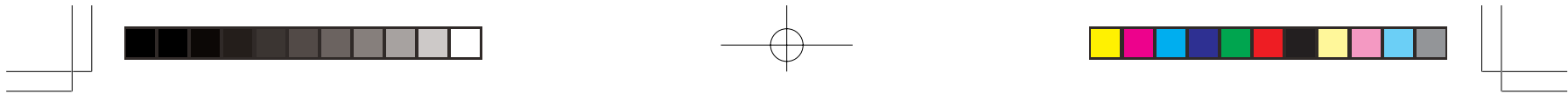
www.marantz.com

You can find your nearest authorized distributor or dealer on our website.

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U.S.A.	Marantz America, Inc.	1100 Maplewood Drive, Itasca, IL 60143, U.S.A.
EUROPE	Marantz Europe B.V.	P.O. Box 8744, 5605 LS Eindhoven, The Netherlands

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