

marantz®

Model PM8200 User Guide

Integrated Amplifier

ENGLISH

WARRANTY

For warranty information, contact your local Marantz distributor.

RETAIN YOUR PURCHASE RECEIPT

Your purchase receipt is your permanent record of a valuable purchase. It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with Marantz.

IMPORTANT

When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof.

FOR U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

FRANÇAIS

GARANTIE

Pour des informations sur la garantie, contacter le distributeur local Marantz.

CONSERVER L'ATTESTATION D'ACHAT

L'attestation d'achat est la preuve permanente d'un achat de valeur. La conserver en lieu sûr pour s'y reporter aux fins d'obtention d'une couverture d'assurance ou dans le cadre de correspondances avec Marantz.

IMPORTANT

Pour l'obtention d'un service couvert par la garantie, il incombe au client d'établir la preuve de l'achat et d'en corroborer la date. Le reçu ou la facture constituent des preuves suffisantes.

DEUTSCH

GARANTIE

Bei Garantiefragen wenden Sie sich bitte an Ihren Marantz-Händler.

HEBEN SIE IHRE QUITTING GUT AUF

Die Quittung dient Ihnen als bleibende Unterlage für Ihren wertvollen Einkauf. Das Aufbewahren der Quittung ist wichtig, da die darin enthaltenen Angaben für Versicherungswecke oder bei Korrespondenz mit Marantz angeführt werden müssen.

WICHTIG!

Bei Garantiefragen muß der Kunde eine Kaufunterlage mit Kaufdatum vorlegen. Ihren Quittung oder Rechnung ist als Unterlage ausreichend.

NEDERLANDS

GARANTIE

Voor inlichtingen omtrent garantie dient u zich tot uw plaatselijke Marantz.

UW KWITANTIE, KASSABON E.D. BEWAREN

Uw kwitantie, kassabon e.d. vormen uw bewijs van aankoop van een waardevol artikel en dienen op een veilige plaats bewaard te worden voor evt. verwijzing bijv. in verbend met verzekering of bij correspondentie met Marantz.

BELANGRIJK

Bij een evt. beroep op de garantie is het de verantwoordelijkheid van de consument een gedateerd bewijs van aankoop te tonen. Uw kassabon of factuur zijn voldoende bewijs.

ESPAÑOL

GARANTIA

Para obtener información acerca de la garantía póngase en contacto con su distribuidor Marantz.

GUARDE SU RECIBO DE COMPRA

Su recibo de compra es su prueba permanente de haber adquirido un aparato de valor. Este recibo deberá guardarlo en un lugar seguro y utilizarlo como referencia cuando tenga que hacer uso del seguro o se ponga en contacto con Marantz.

IMPORTANTE

Cuando solicite el servicio otorgado por la garantía el usuario tiene la responsabilidad de demostrar cuándo efectuó la compra. En este caso, su recibo de compra será la prueba apropiada.

ITALIANO

GARANZIA

L'apparecchio è coperto da una garanzia di buon funzionamento della durata di un anno, o del periodo previsto dalla legge, a partire dalla data di acquisto comprovata da un documento attestante il nominativo del Rivenditore e la data di vendita. La garanzia sarà prestata con la sostituzione o la riparazione gratuita delle parti difettose.

Non sono coperti da garanzia difetti derivanti da uso improprio, errata installazione, manutenzione effettuata da personale non autorizzato o, comunque, da circostanze che non possano riferirsi a difetti di funzionamento dell'apparecchio. Sono inoltre esclusi dalla garanzia gli interventi inerenti l'installazione e l'allacciamento agli impianti di alimentazione.

Gli apparecchi verranno riparati presso i nostri Centri di Assistenza Autorizzati. Le spese ed i rischi di trasporto sono a carico del cliente.

La casa costruttrice declina ogni responsabilità per danni diretti o indiretti provocati dalla inosservanza delle prescrizioni di installazione, uso e manutenzione dettagliate nel presente manuale o per guasti dovuti ad uso continuato a fini professionali.

PORTUGUÊS

GARANTIA

Para informações sobre a garantia, contactar o distribuidor Marantz local.

GUARDAR O RECIBO DE COMPRA

O recibo é o registo permanente da compra que fez. Deve ser guardado num local seguro, para ser apresentado em questões relacionadas com o seguro ou para quando tiver de contactar a Marantz.

IMPORTANTE

Quando procurar assistência técnica ao abrigo da garantia, é da responsabilidade do consumidor estabelecer a prova e data de compra. O recibo é prova adequada.

SVENSKA

GARANTI

För information om garantin, kontakta Marantz lokalgent.

SPAR KVITTOT

Kvittot är ett inköpsbevis på en värdefull vara. Det skall förvaras säkert och hänvisas till vid försäkringsfall eller vidkorrespondens med Marantz.

VIKTIGT

Fö att garantin skall gälla är det kundens sak att framställa bevis och datum om köpet. Kvitto eller faktura är tillräckligt bevis för detta.

DANSK

GARANTI

Henvend dem til Deres MARANTZ-forhandler angående information om garantien.

GEM DERES KVITTERING

Deres købskvittering er Deres varige bevis på et dyrt køb. Den bør gemmes godt og anvendes som bevis, hvis De vil tegne en forsikring, eller hvis De kommunikerer med Marantz.

VIGTIGT

Det påhviler forbrugeren at skaffe bevis for købet og købsdatoen, hvis han eller hun ønsker garantiservice. Deres købskvittering eller faktura er et fulgdydigt bevis herpå.

CONTENTS

English	page 1
Français	page 8
Deutsch	Seite 15
Nederlands	pagina 22
Español	página 29
Italiano	pagina 36
Português	página 43
Svenska	sidan 50
Dansk	side 57
Specifications	page 64
Figures	page 65

CE MARKING

- English**
The PM8200 conforms with the EMC directive and low-voltage directive.
- Français**
Le PM8200 est conforme à la directive EMC et à la directive sur les basses tensions.
- Deutsch**
Der PM8200 entspricht den Bestimmungen über elektromagnetische Störfreiheit (EMC) und denen über Niederspannungsgeräte.
- Nederlands**
De PM8200 voldoet aan de EMC-richtlijn en aan de richtlijn voor laag voltage.
- Español**
El modelo PM8200 cumple la directiva EMC y a la directiva sobre baja tensión.
- Italiano**
Il PM8200 è conforme alla direttiva EMC e alla direttiva sul basso voltaggio.
- Português**
O PM8200 é conforme às Directivas relativas à EMC e à baixa tensão.
- Svenska**
PM8200 uppfyller direktiven angående elektromagnetisk kompatibilitet och lågspänning.
- Dansk**
PM8200 overholder EMC-direktivet og lavspændingsdirektivet.

English

To ventilate the unit, do not install the unit in a rack or bookshelf, and note the followings.

- Do not touch the top of the enclosure during operation.
- Do not block the openings in the enclosure during operation.
- Do not insert objects beneath the unit.
- Do not block the ventilation slots at the top of the unit.
- Do not place anything about 1 meter above the top panel.
- Make a space of about 0.2 meter around the unit.

Français

Pour que l'appareil puisse être correctement ventilé, ne pas l'installer dans un meuble ou une bibliothèque et respecter ce qui suit.

- Ne pas toucher le dessus du coffret.
- Ne pas obstruer les ouïes de ventilation du coffret pendant le fonctionnement.
- Ne placer aucun objet sous l'appareil
- Ne pas obstruer les ouïes de ventilation du panneau supérieur. Ne placer aucun objet à moins d'un mètre environ du panneau supérieur.
- Veiller à ce qu'aucun objet ne soit à moins de 0,2 mètre des côtés de l'appareil.

Deutsch

Um eine einwandfreie Belüftung des Geräts zu gewährleisten, darf das Gerät nicht in einem Gestell oder Bücherregal aufgestellt werden; die folgenden Punkte sind besonders zu beachten:

- Während des Betriebs das Oberteil des Gehäuses nicht berühren.
- Während des Betriebs die Öffnungen im Gehäuse nicht blockieren.
- Keine Gegenstände in das Gerät einführen.
- Die Belüftungsschlitze an der Oberseite des Geräts dürfen nicht blockiert werden. Darauf achten, daß über dem Gerät ein Freiraum von mindestens 1 meter vorhanden ist.
- Auf allen Geräteseiten muß ein Zwischenraum von ungefähr 0,2 meter vorhanden sein.

Nederlands

Installeer het toestel niet in een rek of boekenkast waar de ventilatie mogelijk wordt gehinderd. Let tevens op de volgende punten:

- Raak de bovenkant van het toestel niet aan als het in gebruik is.
- Blokkeer de openingen van het toestel niet als het in gebruik is.
- Plaats geen onderwerpen onder het toestel.
- Blokkeer de ventilatie-openingen aan de bovenkant van het toestel niet. Zorg dat er tenminste 1 meter vrije ruimte boven het toestel is.
- Zorg dat er 0,2 meter vrije ruimte rond het toestel is.

Español

Para ventilar la unidad no la instale en una estantería ni estante para libros, y tenga en cuenta lo siguiente:

- No toque la parte superior de la caja durante el funcionamiento.
- No tape las ranuras en la caja durante el funcionamiento.
- No ponga objetos debajo de la unidad.
- No tape las ranuras de ventilación de la parte superior de la unidad.
- No ponga nada a menos de 1 metro por encima del panel superior.
- Deje un espacio de unos 0,2 metro alrededor de la unidad.

Italiano

Perché l'unità possa essere sempre ben ventilata, non installarla in scaffali o librerie e tenere presente quanto segue.

- Non toccare la parte superiore del rivestimento durante il funzionamento.
- Non inserire oggetti al di sotto dell'unità.
- Non bloccare le fessure di ventilazione sopra l'unità
- Non posare nulla per circa un metro sopra il pannello superiore.
- Lasciare 0,2 metro liberi tutto intorno l'unità.

Português

Para ventilar o aparelho, não instalá-lo dentro duma estante ou algo similar, e observar as seguintes recomendações:

- Não tocar a parte superior do aparelho durante a operação.
- Não bloquear as aberturas do aparelho durante a operação.
- Não inserir objectos debaixo do aparelho.
- Não bloquear as aberturas de ventilação na parte de cima do aparelho.
- Deixar um espaço completamente livre de cerca de 1 metro acima do painel superior.
- Deixar um espaço de cerca de 0.2 metro ao redor do aparelho.

Svenska

För att ventilera enheten, ställ den inte i ett ställ eller bokhylla och tänk på följande.

- Vidrör inte ytterhöljets ovansida under pågående drift.
- Blockera inte öppningarna i ytterhöljet under pågående drift.
- Stick inte in föremål under enheten.
- Blockera inte ventilationshålen ovanpå enheten.
- Placera inte någonting närmare än 1 meter ovanför apparaten eller enheten.
- Se till det finns omkring 0,2 meter fri plats runt omkring enheten.

Dansk

Anbring ikke apparatet i et rack eller en boghylde, da dette kan bloke luftcirkulationen omkring apparatet, lagtag ligeledes følgende:

- Berør ikke oversiden af kabinettet under anvendelsen.
- Bloker ikke åbningerne i kabinettet under anvendelsen.
- Stik ikke genstande ind under apparatet.
- Bloker ikke ventilationsåbningerne ovenpå apparatet.
- Anbring ikke noget nærmere end 1 m over apparatets overside.
- Sørg for, at der er frit område på omkring 0,2 m omkring apparatet.

FOREWORD

This section must be read before any connection is made to the mains supply.

WARNINGS

- Do not expose the equipment to rain or moisture.
- Do not remove the cover from the equipment.
- Do not push anything inside the equipment through the ventilation holes.
- Do not handle the mains lead with wet hands.

EQUIPMENT MAINS WORKING SETTING

Your Marantz product has been prepared to comply with the household power and safety requirements that exist in your area. This product can be powered by 230 V AC only.

IMPORTANT: (For UK version only)

This apparatus is fitted with an approved moulded 13 Ampere plug.

To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 5A, A.S.T.A. or BS1 approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

NOTE:

The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

HOW TO CONNECT A PLUG

The wires in the mains lead are coloured in accordance with the following code:

BLUE—"NEUTRAL" ("N")

BROWN—"LIVE" ("L")

1. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
2. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
3. Do not connect either wires to the earth terminal in the plug which is marked by the letter "E" or by the safety earth symbol or coloured green or green-and-yellow. Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead — not simply over the two wires.

COPYRIGHT

Recording and playback of any material may require consent. For further information refer to the following:

- Copyright Act 1956
- Dramatic and Musical Performers Act 1958
- Performers Protection Acts 1963 and 1972
- any subsequent statutory enactments and orders

ABOUT THIS USER GUIDE

Refer to the Figures on the page 65 at the rear of this user guide. The numbers on the diagrams correspond to those in the text. All references to the connections and controls that are printed in BOLD type are as they appear on the unit.

PRECAUTIONS

The following precautions should be taken when operating the equipment.

GENERAL PRECAUTIONS

When setting the equipment ensure that:

- the ventilation holes are not covered
- air is allowed to circulate freely around the equipment
- it is on a vibration free-surface
- it will not be exposed to interference from an external source
- it will not be exposed to excessive heat, cold, moisture or dust
- it will not be exposed to direct sunlight
- it will not be exposed to electrostatic discharges

Never place heavy objects on the equipment. If a foreign body or water does enter the equipment, contact your nearest dealer or service centre.

Do not pull out the plug by pulling on the mains lead, hold the plug.

It is advisable when leaving the house, or during a thunderstorm, to disconnect the equipment from the mains supply.

CONNECTIONS

CONNECTION OF SPEAKER SYSTEMS

This unit is equipped with a sets of **SPEAKERS** terminals.

- The speakers in the speaker system should have an impedance between 4 and 16 ohms. If speakers with an impedance of less than 4 ohms are connected, the protection circuit may be activated during play.
- Connect the Right channel speaker to the R terminals, and the Left channel speaker to the L terminals.
- The output terminals have positive (\oplus : Red) and negative (\ominus : white) polarity, and each speakers also has the same polarity (\oplus and \ominus). When connecting the speaker, be sure to connect the terminals with the same polarity (\oplus with \oplus , \ominus with \ominus).

CAUTION:

When connecting two pairs of speaker systems simultaneously, the impedance of each speaker system should be no less than 8 ohm .

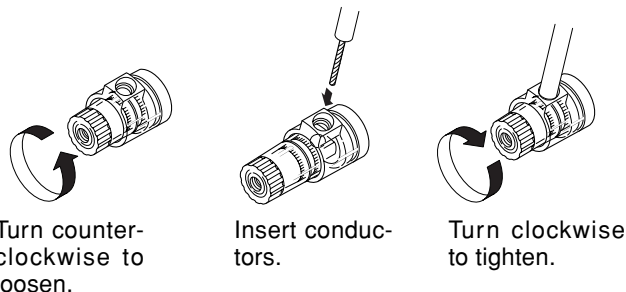
Connecting a speaker system with a lower impedance than 8 ohm may activate the protection circuitry and make normal stereo reproduction impossible.

Connection of speaker cord

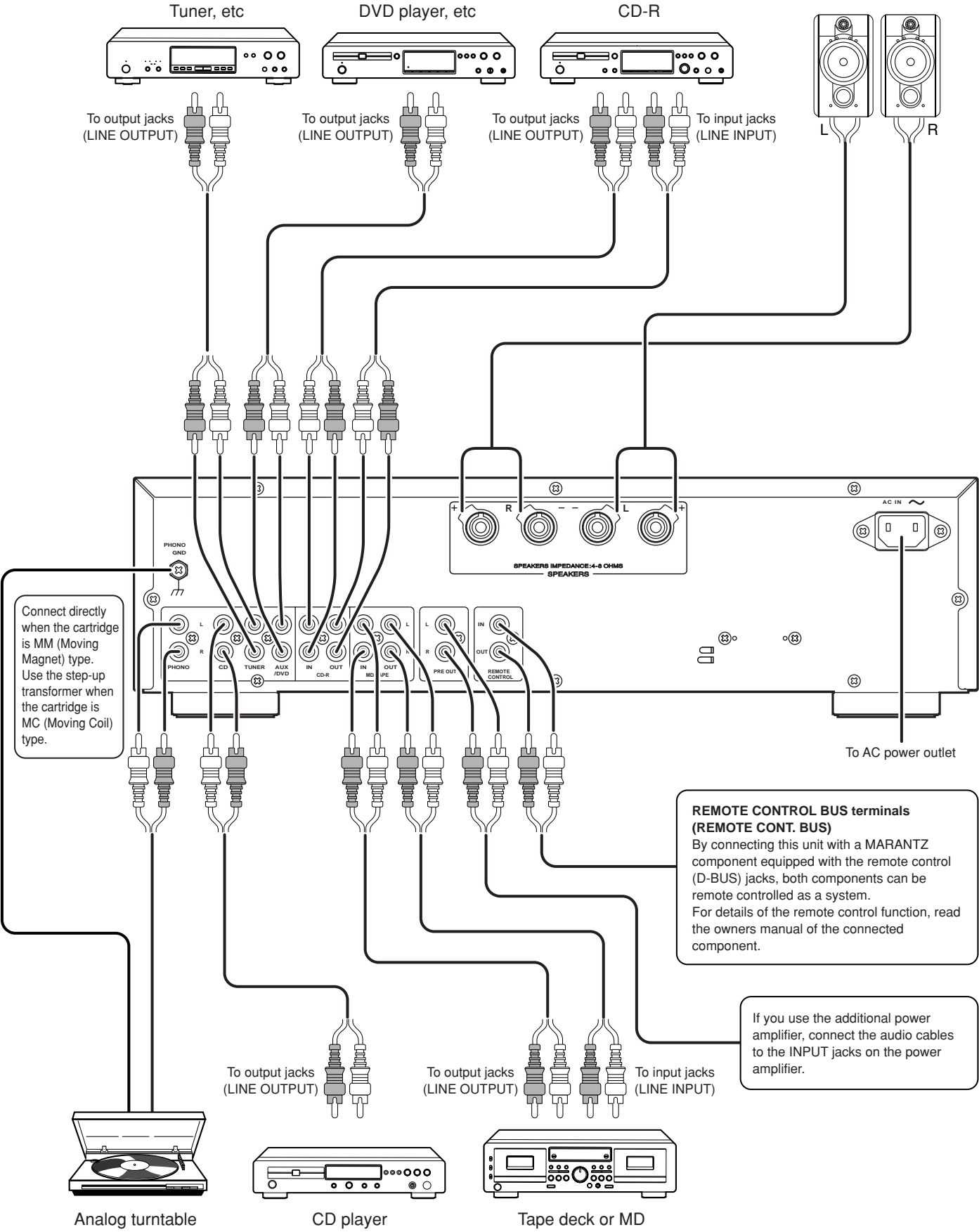
 Strip coating from extremity.

 Twist conductors.

Speaker cord



Connect the Right channel speaker to the R terminals, and the Left channel speaker to the L terminals.



Connect directly when the cartridge is MM (Moving Magnet) type. Use the step-up transformer when the cartridge is MC (Moving Coil) type.

REMOTE CONTROL BUS terminals (REMOTE CONT. BUS)
 By connecting this unit with a MARANTZ component equipped with the remote control (D-BUS) jacks, both components can be remote controlled as a system. For details of the remote control function, read the owners manual of the connected component.

If you use the additional power amplifier, connect the audio cables to the INPUT jacks on the power amplifier.

NAMES OF CONTROLS AND INDICATORS

(Page 65)

Ⓐ GND (GROUND) terminal

Connect the grounding wire from the Analog turntable to this terminal.

Ⓑ PHONO INPUT jacks

Connect the output jacks of the Analog turntable to these jacks.

Ⓒ CD PLAYER INPUT jacks

Connect the output jacks of a Compact Disc player to these jacks.

Ⓓ TUNER INPUT jacks

Connect the output jacks of a tuner to these jacks.

Ⓔ AUX/DVD INPUT jacks

Connect the output jacks of DVD player or other AV components to these jacks.

Ⓕ CD-R IN/OUT jack

Connect the line output jacks and line input jacks of CD recorder to these jacks.

Ⓖ MD/TAPE IN/OUT jacks

Connect the play (output) jacks and record (input) jacks of tape decks or MD to these jacks.

Ⓗ PRE OUTPUT jacks

Output jack for connection to extension power-amp.

① REMOTE CONTROL BUS jacks

(REMOTE CONT. BUS)

By connecting this unit with a MARANTZ component equipped with the remote control (D-BUS) jacks, both components can be remote controlled as a system.

For details of the remote control function, read the owner's manual of the connected component.

The bus OUT terminal is used to send signals to another item of equipment. The bus IN terminal is used to receive signals from another item of equipment.

Ⓙ SPEAKER Terminals

Connect your speaker system to these terminals.

Ⓚ AC IN jack

Connect to AC power outlet.

① INPUT SELECTOR switch

Selects the program source to be produced, from PHONO, CD, TUNER, AUX/DVD, CD-R and MD/TAPE. The indicator on the front panel will be illuminated due to your selected source. Also, you can use the remote control to select the source.

② VOLUME control

Turn the knob to adjust the volume. Turning the knob clockwise (↻) to increase the volume. The volume up-down operations can also be controlled from the provided remote control unit.

③ REC SELECTOR switch

Selects the COPY mode between CD recorder and MD or TAPE deck, or the signal to be output to the OUT jacks of CD-R and MD/TAPE.

④ SPEAKERS switch

Press to switch the speaker systems ON (pressed-in position) and OFF (out position).

Set the switch to OFF (out position) when you listen through headphones only.

⑤ PHONES jack

This jack accepts the standard stereo phone plug of headphones.

⑥ IR SENSOR

This unit receives the infrared remote control signal through this window. Point the transmitter of the remote control unit toward this window to send correct remote control signals.

⑦ POWER switch

Press the power switch to turn ON/OFF.

When the power is ON, the blue light on the middle of the front panel and the indicator of the source will be illuminated.

⑧ Tone (BASS, TREBLE) controls

Turn the knobs to adjust the tone. Turning a knob controls the level of the corresponding frequency range. Turning each control toward "+" boosts the corresponding frequency range and toward "-" attenuates it.

TREBLE: Controls the tone of high frequencies.

BASS: Controls the tone of low frequencies.

⑨ SOURCE DIRECT switch

When you turn on this switch, you can listen the original sound from the input source. The Tone (BASS, TREBLE) controls ⑧ and the BALANCE control ⑩ cannot be used when this switch is ON.

⑩ BALANCE control

This knob can adjust the output level of the left-right balance. When this knob is turned fully either clockwise or counter-clockwise, the other side of sound cannot be heard from the speaker.

⑪ LOUDNESS switch

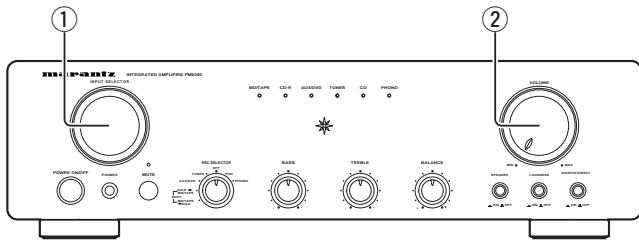
When this switch is ON, both treble and bass sound will be emphasised.

⑫ MUTE indicator

When you press the mute button on the remote control, this indicator will be illuminated and the sound is muted.

When you press the MUTE button one more time, or change the listening volume on the remote control, the MUTE will be canceled.

PLAYING PROGRAM SOURCE



Playing an analog disk

1. Set the INPUT SELECTOR switch ① to PHONO.
2. Play the analog turntable.
3. Adjust the volume with the VOLUME control ②.

Caution for analog disk play

- Reduce the volume to the minimum position before replacing the cartridge or placing the stylus on the disk.
- Do not apply shock to the turntable during play. Otherwise the stylus may jump and damage the disk surface.
- Avoid placing the turntable near the speakers. This may cause howling and become out of control the VOLUME control.
- Do not turn off the turntable while the stylus is on a disk.

Playing a CD player

1. Set the INPUT SELECTOR switch ① to CD.
2. Play the CD player.
3. Adjust the volume with the VOLUME control ②.

Playing a source connected to AUX/DVD

The source component connected to any of the AUX/DVD input jacks on the rear panel can be played as described below.

1. Set the INPUT SELECTOR switch ① to AUX/DVD.
2. Play the component connected to the selected input.
3. Adjust the volume with the VOLUME control ②.

Playing FM/AM tuner

1. Set the INPUT SELECTOR switch ① to TUNER.
2. Play the tuner.
3. Adjust the volume with the VOLUME control ②.

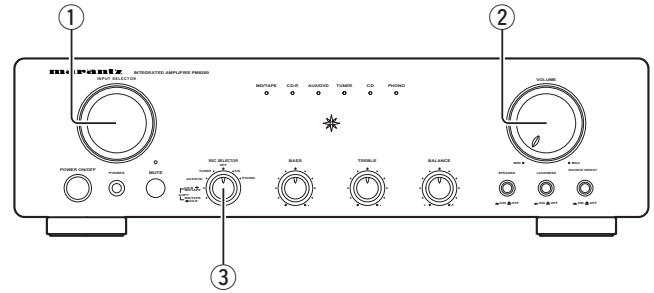
Playing a CD-R

1. Set the INPUT SELECTOR switch ① to CD-R.
2. Play the CD recorder.
3. Adjust the volume with the VOLUME control ②.

Playing a TAPE

1. Set the INPUT SELECTOR switch ① to TAPE.
2. Play a pre-recorded tape on the tape deck.
3. Adjust the volume with the VOLUME control ②.

RECORDING OF TAPE DECKS



Recording a CD-R, a MD, or a tape

A program source such as the analog turntable, tuner or CD player can be recorded onto CD-R, MD, or tape as described below.

Recording from CD

1. Set the REC SELECTOR switch ③ to CD.
2. Play a CD on the CD player.
3. Operate the CD recorder, MD, or the tape deck to start recording.

Recording from the analog turntable

1. Set the REC SELECTOR switch ③ to PHONO.
2. Play an analog disk on the turntable.
3. Operate the CD recorder, MD, or the tape deck to start recording.

Recording from a source connected to TUNER or AUX/DVD

1. Set the REC SELECTOR switch ③ to TUNER or AUX/DVD.
2. Play the source component connected to the selected input.
3. Operate the CD recorder, MD, or the tape deck to start recording.

Copying a CD-R to a MD or a TAPE

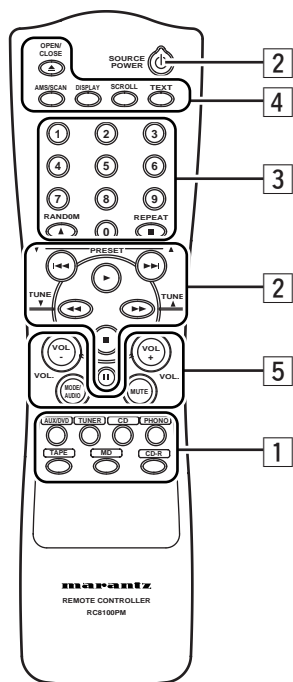
Regardless of the program source selected with the INPUT SELECTOR switch ①, when copying from a CD recorder to a TAPE deck, set the REC SELECTOR switch ③ to CD-R → MD/TAPE.

- You can listen to another program source selected with the INPUT SELECTOR switch ① while you are copying.

REMOTE CONTROL OPERATION

(Remote control unit: RC8100PM)

The RC8100PM remote control unit can control MARANTZ audio/video components equipped with an infrared remote sensor as well as other MARANTZ components which are connected with the above components through the remote control bus. The following illustration shows the button layout of the RC8100PM.



1 Group of buttons for selecting the connected components *1

These buttons are used as the amplifier's input selector.

2 Group of buttons for controlling playback, etc.

These buttons are used to control the CD player, tape deck, etc.

3 Group of numeric buttons

These buttons are used to enter figures for the tuner, CD player, etc.

4 Group of buttons for player, tuner, and other equipments

These buttons are used to change the modes or programmed stations, etc.

5 Group of amplifier control buttons

These buttons are used to control the listening volume.

*1 Pressing one of these buttons change the functions of the buttons in groups 2, 3 and 4 according to the selected source component except PHONO and AMP. Please refer to the following tables entitled, which show how the button functions change.

Button functions when the **CD** button is pressed:

Button	Function
▶	PLAY
▶▶	Fast forward
◀◀	Fast backward
■	Stop
	Pause
OPEN/CLOSE	Open/Close
AMS/SCAN	Music scan
TEXT	Display the CD text
▶▶	Skip forward to next track
◀◀	Skip backward to previous track
SCROLL	Scroll the text on the display
REPEAT	Repeat play
RANDOM	Random play
DISPLAY	Switch the text/time information on the display
MODE/AUDIO	Not used

Button functions when the **TUNER** button is pressed:

Button	Function
▶	Not used
▶▶	Frequency up
◀◀	Frequency down
■	Not used
	Not used
OPEN/CLOSE	Not used
AMS/SCAN	Scan the programmed stations
TEXT	Not used
▶▶	Program type up
◀◀	Program type down
SCROLL	Not used
REPEAT	Not used
RANDOM	Not used
DISPLAY	Switch the text/time information
MODE/AUDIO	Change the MONO/STEREO

Button functions when the **AUX/DVD** button is pressed:

Button	Function
▶	PLAY
▶▶	Fast forward playback
◀◀	Fast reverse playback
■	Stop
	Pause
OPEN/CLOSE	Open/Close
AMS/SCAN	Intro-scan play
TEXT	Not used
▶▶	Chapter/Track skip forward
◀◀	Chapter/Track skip backward
SCROLL	Not used
REPEAT	Repeat play
RANDOM	Random play
DISPLAY	Switch the time information on the display
MODE/AUDIO	Select the audio mode

Button functions when the **CD-R** button is pressed:

Button	Function
▶	PLAY
▶▶	Fast forward playback
◀◀	Fast reverse playback
■	Stop
	Pause
OPEN/CLOSE	Open/Close
AMS/SCAN	Intro-scan play
TEXT	Not used
▶▶	Chapter/Track skip forward
◀◀	Chapter/Track skip backward
SCROLL	Scroll the text on the display
REPEAT	Repeat play
RANDOM	Random play
DISPLAY	Switch the time information on the display
MODE/AUDIO	Not used

Button functions when the **MD** button is pressed:

Button	Function
▶	PLAY
▶▶	Fast forward
◀◀	Fast backward
■	Stop
	Pause
OPEN/CLOSE	Open/Close
AMS/SCAN	Not used
TEXT	Change the characters when TEXT is input
▶▶	Skip forward to next track
◀◀	Skip backward to previous track
SCROLL	Not used
REPEAT	Repeat play
RANDOM	Random play
DISPLAY	Switch the text/time information on the display
MODE/AUDIO	Change the MONO/STEREO for recording

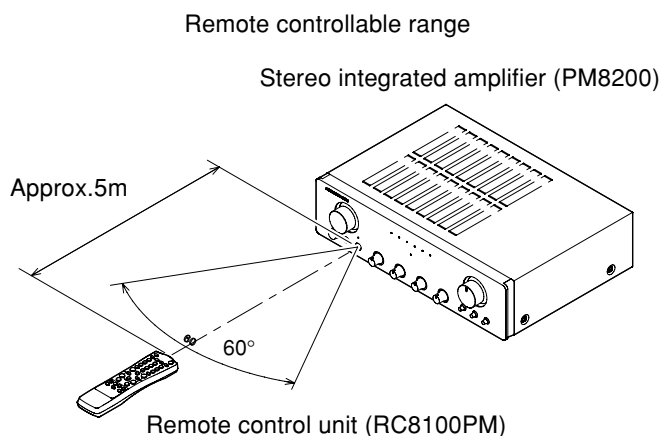
Button functions when the **TAPE** button is pressed:

Button	Function
▶	PLAY
▶▶	Fast forward
◀◀	Fast backward
■	Stop
	Pause
OPEN/CLOSE	Open/Close
AMS/SCAN	Automatic music scan
TEXT	Not used
▶▶	Skip forward to next track
◀◀	Skip backward to previous track
SCROLL	Not used
REPEAT	Select Deck A
RANDOM	Select Deck B
DISPLAY	Switch the time information
MODE/AUDIO	Blank skip

HOW TO USE THE REMOTE CONTROL UNIT

1. Remote control unit

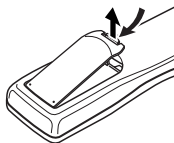
The distance between the signal transmitter of the remote control unit (RC8100PM) and the IR SENSOR of the integrated amplifier (PM8200) should be less than about 5 meters. To ensure remote control, the remote control unit should be pointed accurately toward the IR SENSOR and there should be no obstacle between the remote control unit and the IR SENSOR.



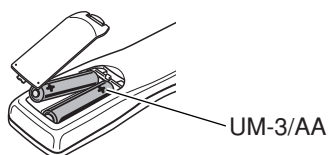
2. Loading batteries

The service life of the batteries used in the remote control unit is about 1 year under normal use. Remove the batteries when the remote control unit is not to be used for a long period of time. Replace batteries early whenever they seem to be weakened.

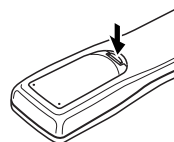
(1) Remove the back cover.



(2) Insert batteries with correct and polarity.



(3) Slide close the battery cover until it clicks.



Improper use of batteries may cause the risk of fluid leakage or explosion.

Be specially careful in the following points.

1. Insert the batteries with the correct and polarity as indicated inside the battery case.
2. Do not use a brand-new battery and used battery together.
3. Dry cell batteries may produce different voltages even when their shapes are the same. Do not use different types of batteries together.
4. Some batteries are rechargeable and some are not. Be sure to read the caution and instructions described on each battery.
5. Used batteries should be disposed of in compliance with the treatment method specified for your local area.

TROUBLESHOOTING

In case of trouble with the unit, first check the following before calling for service. What seems to be a serious malfunction is often due to a simple operation mistake.

If the trouble still persists after checking, please consult your dealer or nearest MARANTZ service agent.

The amplifier does not work and the indicator does not light.

1. Check if the power cord is plugged properly into an AC power outlet.

The indicator lights but the amplifier will not function.

1. Check the settings of the INPUT SELECTOR switch, VOLUME control and SPEAKERS switches.
2. Check the MUTE function is deactivated. (The MUTE indicator is OFF.)

Sound is produced only from one of the speaker systems.

1. Check the setting of the BALANCE control.
2. Turn power of the set off and change the connections of the left and right speaker systems. If sound is still not output from the same speaker system, check its connection cord or the speaker system itself.

Sound is not produced at all.

1. Check the settings of the INPUT SELECTOR switches.
2. Check the SPEAKERS switches is pressed in.
3. Check that the speaker cords are connected properly.
4. Check that the connection cords with RCA pin plugs are connected properly.
5. Check the MUTE function is deactivated.

Sound from the analog turntable is not output or very noisy (hum noise).

1. Check that the connection to the PHONO jacks is made properly.
2. Connect the grounding wire of the turntable to the GND terminal on the rear panel of the amplifier set. If it has already been connected, try removing it.
3. Check that the cartridge is attached properly to the tone arm.
4. Remove the power plug of the turntable from the power outlet and insert it again by inverting the relationship of the left and right blades with respect to the power outlet slots.

TECHNICAL SPECIFICATIONS (DIN)

Rated power output.....	60 W x 2 (8 Ω load)
(1 kHz, 2ch simultaneous drive)	70 W x 2 (6 Ω load)
	80 W x 2 (4 Ω load)
Total harmonic distortion (20Hz to 20 kHz, 2ch drive, 8 Ω load)	0.01 %
Cross-modulation distortion (SMPTE)	0.01 %
Output bandwidth (8 Ω load, 0.04 %).....	10 Hz to 50 kHz
Frequency response (CD, SOURCE DIRECT)	5 Hz to 60 kHz, +0 / -1 dB
Damping factor (8 Ω load, 20Hz to 10 kHz)	100

Input sensitivity

PHONO (MM)	2.3 mV
HIGH LEVEL	200 mV

Maximum allowable PHONO input (1 kHz)

MM	130 mV
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RIAA deviation (20 Hz to 20 kHz)	± 0.2 dB
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S/N (IHF A network, input shorted)

PHONO (MM)	85 dB
HIGH LEVEL	110 dB

Loudness (-20 dB)

100 Hz	8 dB
10 kHz	3 dB

Tone control

BASS (100 Hz)	± 8 dB
TREBLE (10 kHz)	± 8 dB

Supply voltage	230V AC, 50Hz
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Power consumption	155 W
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Dimensions

Width	440 mm
Height	124 mm
Depth	340 mm
Weight	8.0 kg

Accessories

Remote control unit (RC8100PM)	x 1
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Dimensions

Width	55 mm
Height	197 mm
Depth	21 mm
Weight (without batteries)	90 g
SUM-3 ("AA" size) dry cell battery	x 2

Design and specifications are subject to change without notice.

COUNTRY	COMPANY	ADDRESS
ALGERIE	Azur 2000	8, Lotissement Ben Hatadi, Alger, Algerie
ARMENIA	NGYIG Ltd.	47 A/75 St. Lalaiaants, 375000 Yerevan, Armenia
AUSTRALIA	Jamo Australia Pty. Ltd.,	24 Lionel Road, Mt. Waverley, VIC 3149, Australia
AUSTRIA	Huber & Prohaska GmbH	Taborstraße 95 / Ladestraße 1, Gebäude Hangartner, A-1200 Wien, Austria
BAHREIN	Ambassador Stores	P.O. Box 237,141, Government Avenue, Manama,Bahrein
BANGLADESH	Target	1078, Ramjoy Mohanja Lane Asadonj, Chittagong 4000, Bangladesh
BELGIUM	Van der Heyden Audio N.V.	Brusselbaan 278, 9320 Erembodegem, Belgium
BULGARIA	Ariescommerce GmbH	Makedonia Blvd. 16, 1606 Sofia, Bulgaria
CANADA	Lenbrook Industries Limited	633 Granite Court, Pickering, Ontario
CHINA	Guang Chang Audio International Co., Ltd.	No.38 Yushan Road, ShiQiao, Pan Yu, Guang Dong, China
CYPRUS	Empire Hifi systems Ltd.	P.O. Box 5604, Nicosia, Cyprus
CZECH REPUBLIC	Audio International	Sokolska 41, 67902 Rajecsko, OKR,Blansko, Czech Republic
DENMARK	Audio Nord	Dali Allé 1, 9610 Noerager, Denmark
DUBAI	V.V.& SONS	P.O. Box 105, Dubai, U.A.E.
EGYPT	Solimco	9, El Attibaa St. Doki, Cairo, Egypt
ESTONIA	HiFi Club Estonia	Ehte 4, 90503 Haapsalu, Estonia
F.Y.R.O.M.	T.P. KODI	ul.Cedomir Kantargiev 21a, Skopje, Former Yugoslavian Republic of Macedonia
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KOREA	Mk Enterprises Ltd.	121-210, 2F Shinhan Bldg., 247-17 Seokyo-dong, Mapo-ku, Seoul, Korea
KUWAIT	alAlamiah Electronics Intl.	P.O. Box 8196, Salmiah 22052, Kuwait
LATVIA	Ace Ltd.	61, LacPlesa Str., Riga LV 1011, Latvia
LEBANON	AZ Electronics S.A., 1,	P.O. Box 11 2833, Beirut, Lebanon
LITHUANIA	Accapella Ltd.	Ausros, Vartu G/5, Pasazo SKG., 2001 Vilnius, Lithuania
MALAYSIA	Wo Kee Hong Electronics Sdn. Bhd.	Suite 8.1, Level 8, Menara Genesis, No. 33, Jalan Sultan Ismail, 50250 Kuala Lumpur, Malaysia
MALTA	Doneo Co Ltd.	78 The Strand, Sliema SLM07, Malta
MAURITIUS	SKR Electronics Ltd.	P.O. Box 685, Bell Village, Port Louis, Mauritius
MILITARY MARKET EUROPE	PASCO GmbH	PO BOX 1280, Sandhausen 69200, Germany
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NORWAY	Audio Nord	Sandkerveien 64, Oslo 0483, Norway
OMAN	Mustafa & Jawad Trading CO.	P.O. Box 1918, Ruwi, Oman
POLAND	Philips Polska Sp. z.o.o.	Al.Jerozolimskie 195b, 02 222 Warszawa, Poland
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PROFESSIONAL U.S.A.	Marantz Professional Products	Distributed by: Superscope Technologies Inc., 1000 Corporate Blvd. Ste.D, Aurora, Illino
QATAR	Almana & Partners W.W.L.	P.O. Box 49, Doha, Qatar
REUNION	Vision +	180 Rue du Marechal Leclerc, 97400 Saint Denis, Ile de la Reunion
ROMANIA	Nova Music Entertainment	5, Zagazului Str. Bl.1G,apt.18, sector 1,Bucharest, Romania
RUSSIA	Absolute Audio	7/2, Montazhnaya Street, 107497 Moscow, Russia
SAUDI ARABIA	Adawlia Univ. Electr. Apl	P.O. Box 2154, Alkhobar 31952, Saudi Arabia
SINGAPORE	Wo Kee Hong Distribution PTE Ltd.	130 Joo Seng Road, #03-02 Olivine Building, Singapore 368357
SLOVAKIA	Bis Audio s.r.o.	Nam. SNP 10, 96001 Zvolem, Slovakia
SLOVENIA	Bofex	Smartinska 152, HALA V/3, 61000 Ljubljana, Slovenia
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SWEDEN	Audio Nord	Almedalsvagen 4, Gotenborg 402-23, Sweden
SWITZERLAND	Sound Company AG	Postfach, 8010 Zürich, Switzerland
SYRIA	Hamzeh & Partners	Hafez Ibrahim Str. No 117, Damascus Shalan, Syria
TAHITI	Covecolor	Av. Prince Hinoi, Cours de l'union sacré, P.O. Box 2334, Papeete, Tahiti
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U.S.A.	Marantz America Inc.	1100 Maplewood Drive Itasca, IL 60143, U.S.A.
YUGOSLAVIA	ITM Company	Omladinskih Brigada 86, 11070 Belgrade, Yugoslavia
EXPORT	Marantz Domestic Sales	A division of Marantz Europe BV,Building SFF2, P.O. Box 80002, 5600 JB Eindhoven, TheThe Netherlands

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