

marantz®

Model PM-17mk II User Guide

Integrated Amplifier

ENGLISH

WARRANTY

Contact your local Marantz distributors for warranty information.

RETAIN YOUR RECEIPT AS PROOF OF PURCHASE

Your receipt is proof of a valuable purchase. Keep it in a safe place where you can easily find it for filing insurance claims when necessary or when corresponding with Marantz.

IMPORTANT

It is the responsibility of the consumer to establish proof of purchase when seeking servicing covered by the warranty. Your receipt or invoice is valid as such proof.

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

Veuillez contacter les revendeurs Marantz locaux pour de plus amples informations concernant la garantie.

CONSERVER LE TICKET DE CAISSE COMME PREUVE D'ACHAT

Le ticket de caisse représente la preuve d'un achat de valeur. Le conserver dans un endroit sûr, où il peut être retrouvé aisément, afin d'introduire les revendications éventuelles auprès des assurances ou auprès de Marantz, le cas échéant.

IMPORTANT

Il incombe au consommateur d'établir la preuve de son achat, à l'aide du ticket de caisse ou de la facture, lors de la demande d'interventions couvertes par la garantie.

DEUTSCH

GARANTIE

Wenden Sie sich bezüglich Informationen zur Garantie an Ihren örtlichen Marantz-Händler.

BEWAHREN SIE ALS KAUFNACHWEIS IHRE KAUFQUITTUNG AUF

Ihre Quittung bzw. Rechnung ist ein Beweis für Ihren wertvollen Kauf. Bewahren Sie diese an einem sicheren Ort auf, wo Sie sie im Fall eines Versicherungsschadens oder bei der Korrespondenz mit Marantz leicht wiederfinden können.

WICHTIG

Es liegt in der Verantwortung des Käufers, den Kaufnachweis zu liefern, wenn Garantiereparaturen in Anspruch genommen werden sollen. Ihre Quittung oder Rechnung dient als ein solcher Nachweis.

NEDERLANDS

GARANTIE

Neem contact op met de Marantz distributeurs in uw buurt voor informatie over de garantie.

BEWAAR UW REÇU ALS AANKOOPBEWIJS.

Uw reçu is het bewijs dat u een waardevol product heeft gekocht. Berg het veilig op, zodat u het snel terug kunt vinden als u een verzekeringsclaim moet indienen of voor uw correspondentie met Marantz.

BELANGRIJK

De klant is verantwoordelijk voor het tonen van een aankoopbewijs wanneer het apparaat onder garantie moet worden gerepareerd. Uw reçu of uw factuur is een geldig aankoopbewijs.

ESPAÑOL

GARANTÍA

Consulte a su distribuidor local de Marantz si desea más información sobre la garantía.

CONSERVE EL RECIBO COMO PRUEBA DE COMPRA

Su recibo constituye la prueba de compra. Guárdelo en un lugar seguro donde pueda hallarlo fácilmente en caso de que lo necesite para presentar una reclamación de garantía o mantener algún tipo de correspondencia con Marantz.

IMPORTANTE

Es responsabilidad del consumidor presentar la prueba de compra siempre que solicite alguna reparación cubierta por la garantía. La factura o el recibo son documentos válidos como prueba de compra.

ITALIANO

GARANZIA

Contattare i distributori Marantz della zona dell'utente per informazioni sulla garanzia.

CONSERVARE LA RICEVUTA COME PROVA D'ACQUISTO

La ricevuta comprova un acquisto di valore. Conservarla in un luogo sicuro e facilmente reperibile per intraprendere dei reclami, ove necessario, o quando ci si rivolga alla Marantz.

IMPORTANTE

L'utente ha la responsabilità di produrre una prova d'acquisto se vuole servirsi dell'assistenza coperta da garanzia. La ricevuta o la fattura è valida in questo senso.

PORTUGUÊS

GARANTIA

Para informações sobre a garantia, contacte o concessionário local Marantz.

GUARDE O TALÃO DE COMPRA COMO PROVA

O talão de compra é a prova de ter comprado qualquer coisa de valor. Guarde-o em lugar seguro, pois pode precisar dele para obter uma cobertura de seguro ou no âmbito de correspondência com Marantz.

IMPORTANTE

Para obter um serviço coberto pela garantia, o cliente deve apresentar a prova e a data da compra. O talão ou a factura constituem provas suficientes.

SVENSKA

GARANTI

Kontakta din lokala Marantz-distributör för information om garantin.

SPAR KVITTOT SOM INKÖPSBEVIS

Kvittot är ditt bevis för ett värdefullt inköp. Förvara det på en säker plats där du lätt kan hitta det för försäkringsfrågor eller korrespondens med Marantz.

VIKTIGT

Kunden ansvarar för att uppvisa inköpsbevis när service begärs som täcks av garantin. Ditt kvitto eller faktura är ett giltigt inköpsbevis.

DANSK

GARANTI

Bed din Marantz-forhandler om oplysninger om garantien.

GEM DIN KVITTERING SOM KØBSBEVIS

Din kvittering er bevis på et værdifuldt køb. Opbevar den på et sikkert sted, hvor du let kan finde den i forbindelse med eventuelle erstatningskrav eller korrespondance med Marantz.

VIGTIGT

Det er brugerens ansvar at forelægge købsbevis, hvis der er brug for det i garantiforbindelse. Din kvittering eller faktura er gyldige beviser.

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CE MARKING

- English**
The PM-17mk II conforms with the EMC directive and low-voltage directive.
- Français**
Le PM-17mk II est conforme à la directive EMC et à la directive sur les basses tensions.
- Deutsch**
Der PM-17mk II entspricht den Bestimmungen über elektromagnetische Störfreiheit (EMC) und denen über Niederspannungsgeräte.
- Nederlands**
De PM-17mk II voldoet aan de EMC-richtlijn en aan de richtlijn voor laag voltage.
- Español**
El modelo PM-17mk II cumple la directiva EMC y a la directiva sobre baja tensión.
- Italiano**
Il PM-17mk II è conforme alla direttiva EMC e alla direttiva sul basso voltaggio.
- Português**
O PM-17mk II é conforme às Directivas relativas à EMC e à baixa tensão.
- Svenska**
PM-17mk II uppfyller direktiven angående elektromagnetisk kompatibilitet och lågspänning.
- Dansk**
PM-17mk II 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 BSI 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 83 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

(Figure 1)

CONNECTIONS OF TUNER

Connect the output jacks of your stereo tuner to the **LINE 1-LINE 3** jacks of this unit.

CONNECTION OF VCR OR DVD PLAYER

Connection the audio output jacks of your VCR or DVD player to the **LINE1-LINE3** jacks of this unit.

CONNECTION OF COMPACT DISC PLAYER

Connect the output jacks of your CD player to the CD jacks of this unit.

CONNECTION OF ANALOG TURNTABLE

Connect the L (Left) output cord of the turntable to the "L" PHONO jack of this unit, and connect the R (Right) output cord to the "R" PHONO jack. Also be sure to connect the turntable's grounding wire to the GND jack of this unit. The GND jack does not have to be connected if the turntable is not provided with a grounding wire.

CONNECTION OF CD RECORDER/TAPE DECK

Connect the IN (line input) jacks of the CD recorder or the tape deck to the OUT jacks of this unit, and connect the OUT (line output) jacks of the CD recorder or the tape deck to the IN jacks of this unit.

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 (⊕: Red) and negative (⊖: white) polarity, and each speakers also has the same polarity (⊕ and ⊖). When connecting the speaker, be sure to connect the terminals with the same polarity (⊕ with ⊕, ⊖ with ⊖).

CAUTION:

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

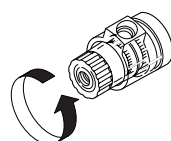
Connecting a speaker system with a lower impedance than 8 ohm may activate the protection circuitry and make normal stereo reproduction impossible.

Connection of speaker cord

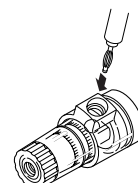
 Strip coating from exteriority.

 Twist conductors.

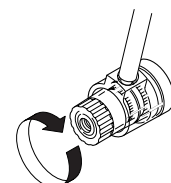
Speaker cord



Turn counter-clockwise to loosen.



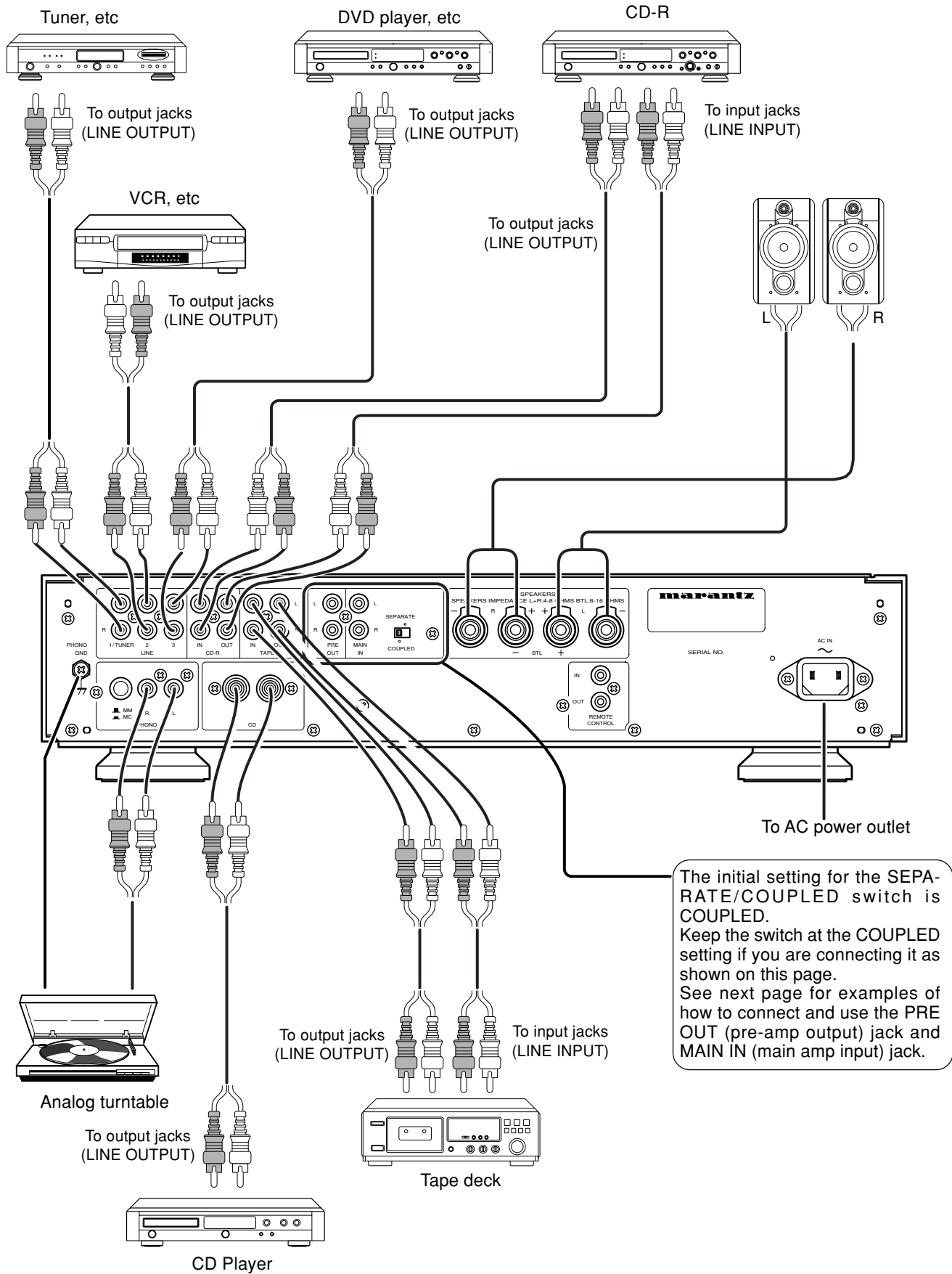
Insert conductors.



Turn clockwise to tighten.

When combined with a Marantz SM-17 (main amp), the PM-17mk II main amp can be used as a BTL amp (monaural). It cannot be used as a BTL amp when combined with other products.

Figure 1



- It is also possible to connect a BS tuner, LV player, TV or other component to LINE1-LINE3 jacks.
- The audio input/output jacks of VCR or other component can be connected to CD-R and TAPE as their program sources.

PRE OUT JACK AND MAIN IN JACK USAGE EXAMPLES

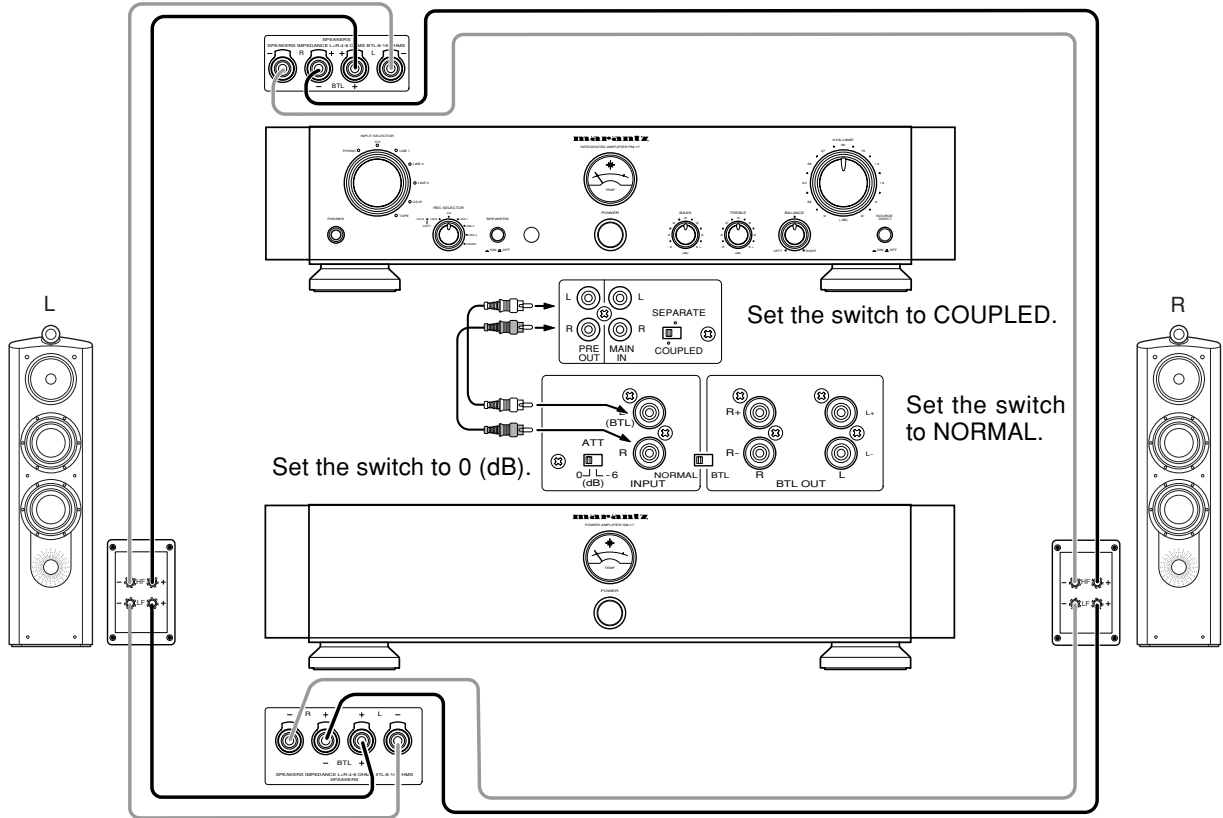
You can expand your audio system through appropriate setting of the SEPARATE/COUPLED switch and connection of the PRE OUT jack and MAIN IN jack.

SEPARATE/COUPLED switch

When this switch is set to COUPLED, the PRE OUT jack and MAIN IN jack are connected internally, allowing the PM-17mk II to be used as a pre-main amp.

When the switch is set to SEPARATE, the PRE OUT jack and MAIN IN jack are internally disconnected, allowing the PM-17mk II to be used as a pre-amp or main amp.

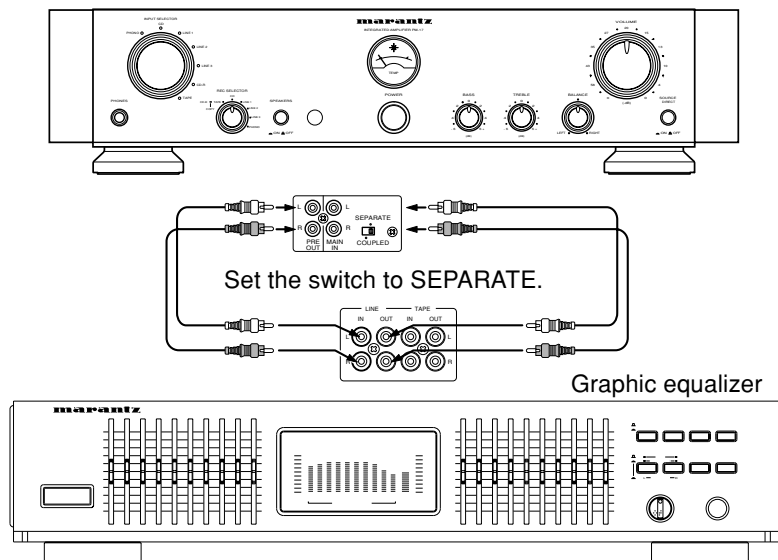
Usage example 1: Bi-amp connection combined with Marantz SM-17 (main amp)



If you are using a speaker system that supports bi-wiring, you can combine the PM-17mk II with the SM-17 for bi-amp operation that provides a higher quality of sound.

In case of BTL connection with SM-17. Please refer to the user guide of SM-17.

Usage example 2: Graphic equalizer connection



NAMES OF CONTROLS AND INDICATORS

(Figure 2)

Ⓐ GND (GROUND) terminal

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

Ⓑ MM/MC SELECTOR switch

When the INPUT SELECTOR is set to PHONO, the type of cartridge used on the turntable can be selected between MM (Moving Magnet) and MC (Moving Coil) using this switch.

Set this switch according to the cartridge used on the turntable.

MM (Moving Magnet)

Set the switch to the out (■) position.

MC (Moving Coil)

set the switch to the in (■) position.

Ⓒ 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.

Ⓔ LINE 1 – LINE 3 INPUT jacks

These are LINE 1 – LINE 3 input jacks which can be used to connect the audio outputs of AV components such as TV multiplex/stereo audio turners, VCRs, and leaserdisc players.

Ⓕ CD-R IN/OUT jack

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

Ⓖ TAPE IN/OUT jacks

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

Ⓗ PRE OUTPUT terminal

Output jack for connection to extension power-amp, mixer or similar.

① MAIN IN jacks

Connect the pre output jacks of your pre-amp to these jacks at the SEPARATE position of the selection switch ④.

④ SEPARATE/COUPLED selection switch

The initial setting of the selection switch is COUPLED position. This unit is possible to use integrated-amp at the COUPLED position.

Set according to the SEPARATED position, this unit is possible to use pre-amp or power-amp.

Ⓚ SPEAKER Terminals

Connect your speaker system to these terminals.

Ⓛ 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 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.

Ⓜ AC IN jack

Connect to AC power outlet.

This unit can be powered by 230V AC only.

① INPUT SELECTOR switch

Selects the program source to be produced, from PHONO, CD, LINE 1, LINE 2, LINE 3, CD-R and TAPE.

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 PHONES jack

This jack accepts the standard stereo phone plug of headphones.

④ REC SELECTOR switch

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

⑤ 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.

⑥ IR SENSOR

The 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 to turn power ON and press again to turn it OFF.

Meter ① lights up when the POWER is turned ON. The pointer LED of the INPUT SELECTOR switch ① also lights when the power is ON and goes out when it is OFF.

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 BALANCE control

Turn to correct the left-right imbalance which may occur in stereo broadcast reception or otherwise change the output level of either the LEFT or RIGHT channel. Be careful of the position of this control because turning it fully clockwise or counter-clockwise mutes the sound from the other channel.

⑩ SOURCE DIRECT switch

When this switch is pressed in, the signals are transmitted by bypassing the **BALANCE** and tone (**BASS** and **TREBLE**) control circuitry so that they can be reproduced with a higher quality. (The **BALANCE**, **BASS** and **TREBLE** controls are defeated.)

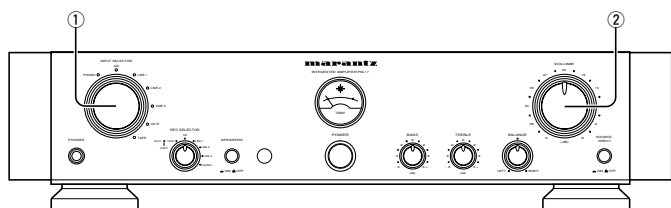
⑪ Warm-up meter

With any audio unit, the real sound quality cannot be obtained immediately after the power is turned on, and warming up is required to make the unit exhibit its full performance. As time passes after the power has been turned ON, the temperatures of different parts of the unit become constant and the electrolytic capacitors become active.

This meter allows to check the warm-up condition of the unit. The meter needle starts to swing gradually in a little while after the power is turned ON and reaches about 2/3 of the meter's full scale in about 30 minutes. Now the unit has almost been warmed up and can reproduce music with its original performance.

The meter positions immediately after turning power on and at the end of warming up and the time taken for warming up are variable depending on the temperature, ventilation and other conditions of the listening room where the unit is located.

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 installing the turntable near a speaker, for this may cause howling and make it impossible to increase the listening volume.
- Do not turn power of the turntable off while the stylus is placed 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 one of LINE 1 to LINE 3

The source component connected to any of the **LINE 1** to **LINE 3** input jacks on the rear panel can be played as described below.

1. Set the **INPUT SELECTOR** switch ① to **LINE 1**, **LINE 2** or **LINE 3**.
2. Play the component connected to the selected input.
3. Adjust the volume with the **VOLUME** control ②.

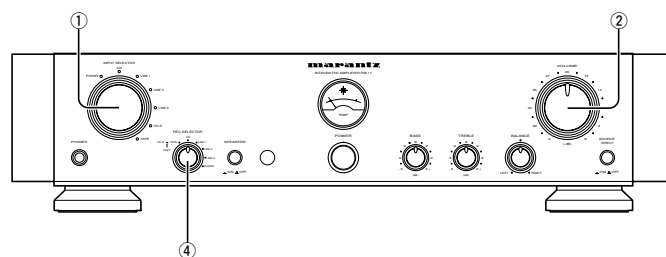
Playing a CD-R

1. Set the **INPUT SELECTOR** switch ① to **CD-R**.
2. Play a pre-recorded disk on 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 and a tape

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

Recording of CD

1. Set the **REC SELECTOR** switch ④ to **CD**.
2. Play a CD on the CD player.
3. Operate the CD recorder or the tape deck to start recording.

Recording of analog disk played on the analog turntable

1. Set the **REC SELECTOR** switch ④ to **PHONO**.
2. Play an analog disk on the turntable.
3. Operate the CD recorder or the tape deck to start recording.

Recording of a source connected to one of LINE 1 to LINE 3

1. Set the **REC SELECTOR** switch e to **LINE1**, **LINE2** or **LINE3**.
2. Play the source component connected to the selected input.
3. Operate the CD recorder or the tape deck to start recording.

Copying a pre-recorded tape using the REC SELECTOR switch ④

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 ④ to **CD-R** or **TAPE**.

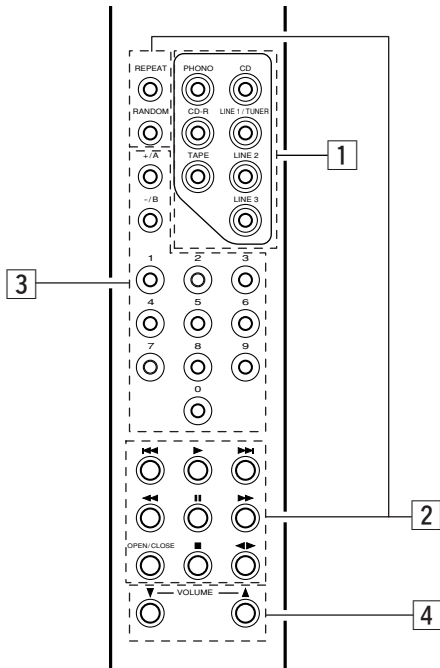
- You can listen to another program source selected with the **INPUT SELECTOR** switch ① while you are copying.

REMOTE CONTROL OPERATION

(Remote control unit: RC-17mk II PM)

The RC-17mk II PM 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 RC-17mk II PM.

Note that the functions of the RC-17mk II PM that can be remote controlled are only the volume up/down control and input selection operations.



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 amplifier (PM-17mk II) control buttons

These buttons are used to control the listening volume.

*1 Pressing one of these buttons (CD, CD-R, TUNER, TAPE DECK, etc., except for PHONO and LINE3) change the functions of the buttons in groups 2, 3 and 4 according to the selected source component.

Please refer to the following tables entitled, which show how the button functions change.

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

Button	Function
▶	Play
▶▶	Fast forward
◀◀	Fast backward
◀▶	Not used
■	Stop
OPEN/CLOSE	Open/close
+	Not used
-	Not used
▶▶▶	Skip forward to next track
◀◀◀	Skip backward to previous track
REPEAT	Repeat
RANDOM	Random play
VOL ▲	Amplifier volume Up
VOL ▼	Amplifier volume Down

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

Button	Function
▶	Play
▶▶	Fast forward
◀◀	Fast backward
◀▶	Play direction change
■	Stop
OPEN/CLOSE	Open/close
+	Deck A
-	Deck B
▶▶▶	Skip forward to next music
◀◀◀	Skip backward to previous music
REPEAT	Not used.
RANDOM	Not used.
VOL ▲	Amplifier volume Up
VOL ▼	Amplifier volume Down

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

Button	Function
▶	Play
▶▶	Fast forward
◀◀	Fast backward
◀▶	Not used
■	Stop
OPEN/CLOSE	Open/close
+	Disc Up (changer-equipped model only)
-	Disc Down (changer-equipped model only)
▶▶▶	Skip forward to next track
◀◀◀	Skip backward to previous track
REPEAT	Repeat
RANDOM	Random play
VOL ▲	Amplifier volume Up
VOL ▼	Amplifier volume Down

Button functions when the LINE1(TUNER) button is pressed:

Button	Function
▶	Not used.
▶▶	Frequency Up
◀◀	Frequency Down
◀▶	Not used.
■	Not used.
OPEN/CLOSE	Not used.
+	Preset Up
-	Preset Down
▶▶▶	Programme type Up
◀◀◀	Programme type Down
REPEAT	Not used.
RANDOM	Not used.
VOL ▲	Amplifier volume Up
VOL ▼	Amplifier volume Down

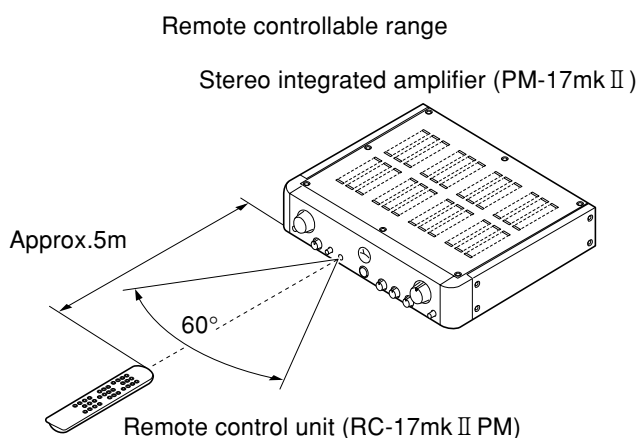
Button functions when the LINE2 button is pressed:

Button	Function
▶	VCR play
▶▶	VCR fast forward
◀◀	VCR fast backward
◀▶	Not used.
■	VCR stop
OPEN/CLOSE	VCR eject
+	Channel/program Up
-	Channel/program Down
▶▶▶	VCR double-speed forward
◀◀◀	VCR double-speed backward
REPEAT	Not used.
RANDOM	Not used.
VOL ▲	Amplifier volume Up
VOL ▼	Amplifier volume Down

HOW TO USE THE REMOTE CONTROL UNIT

1. Remote control unit

The distance between the signal transmitter of the remote control unit (RC-17mk II PM) and the IR SENSOR of the integrated amplifier (PM-17mk II) 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.

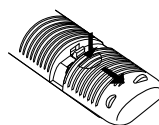


2. Loading batteries

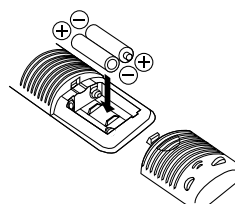
The service life of the batteries used in the remote control unit is about 1 year under normal use.

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.

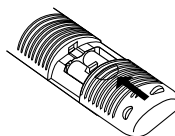
- (1) Remove the back cover.



- (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 warm-up meter lamp does not light.

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

The warm-up meter lamp lights but the amplifier will not function.

1. Check the settings of the INPUT SELECTOR switch, VOLUME control and SPEAKERS switches.

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 that at least one of 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 SEPARATE/COUPLED switch position on rear panel.

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 (20Hz to 20 kHz, 2ch simultaneous drive)	60 W x 2 (8 Ω load)
	80 W x 2 (6 Ω load)
	100 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)	5Hz to 70kHz, +0 / -1 dB
Damping factor (8 Ω load, 20Hz to 10 kHz)	100

Input sensitivity/Input impedance

PHONO (MC)	230 μV/100 Ω
PHONO (MM)	2.5 mV/22 kΩ
HIGH LEVEL	220 mV/22 kΩ
MAIN IN	1.6 V/22 kΩ

Maximum allowable PHON input (1 kHz)

MC	15 mV
MM	150 mV

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

PHONO (MC)	76 dB
PHONO (MM)	90 dB
HIGH LEVEL	112 dB

Tone control

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

Supply voltage	230 V/AC, 50 Hz
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Dimensions

Width	458 mm
Height	110 mm
Depth	429 mm
Weight	16 kg

Accessories

Remote control unit (RC-17mk II PM)	x 1
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Dimensions

Width	44 mm
Height	239 mm
Depth	17.5 mm
Weight (without batteries)	189 g
SUM-4 (AAA size) dry cell battery	x 2

Design and specifications are subject to change without notice.

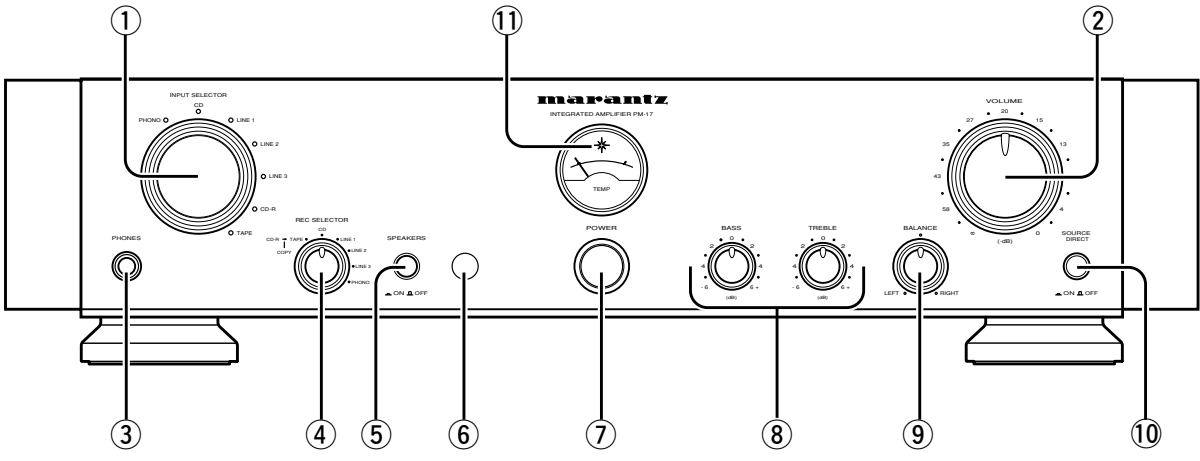
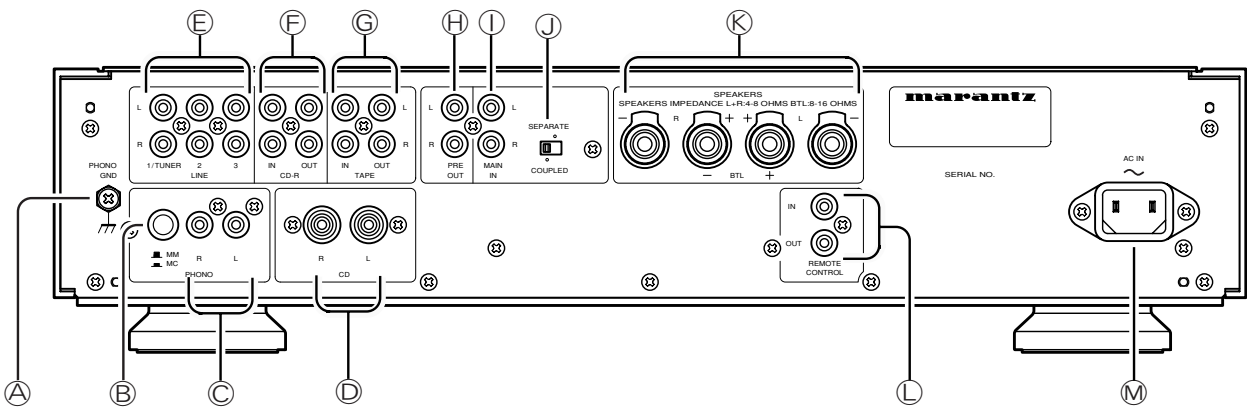


Figure 2

COUNTRY	COMPANY	ADDRESS
AUSTRALIA	Scan audio Pty. Ltd.	4 Station Street, Thornleigh NSW 2120, Australia
AUSTRIA	Huber & Prohaska GmbH	Taborstraße 95 / Ladestraße 1, Gebäude Hangartner, A-1200 Wien, Austria
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
CYPRUS	Empire Hifi systems Ltd.	P.O. Box 5604, Nicosia, Cyprus
CZECH REPUBLIC	Audio International	Fugnerova 1, 67801 Blansko, Czech Republic
DENMARK	Hi-Fi Klubben Denmark	Aboulevarnden 1, DK-8000 Arhus C., Denmark
DUBAI	V.V. & SONS	P.O. Box 105, Dubai, U.A.E.
ESTONIA	Audio International Baltic	Lo Hu 12, EE0026 Tallin, Estonia
F.Y.R.O.M.	T.P. KODI	ul.Cedomir Kantargiev 21a, Skopje, Former Yugoslavian Republic of Macedonia
FINLAND	Hi-Fi Klubi Finland	Uudenmaankatu 4-6, SF-00120 Helsinki, Finland
FRANCE	Marantz France	A division of Marantz Europe B.V., P.O. Box 301, 92 156 Suresnes Cedex, France
GERMANY	Marantz Deutschland	Hakenbusch 3, 49078 Osnabrück, Germany
GREECE	Adamco S.A.	188, Hippocratous Street, 11471 Athens, Greece
HEADQUARTERS EUROPE:	Marantz Europe B.V.	Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands
HONG KONG	Marantz Asia Ltd.	Unit 1706, Metroplaza II, 223 Hing Fong Road, Kwai Fong, N.T., Kowloon, Hong Kong
HUNGARY	Infovox Ltd.	Terez Krt.31, 1067 Budapest, Hungary
ICELAND	Radiobudin HF	Skipholtli 19, P.O. Box 424, 121 Reykjavik, Iceland
INDIA	Marantz India	c/o Philips India Ltd., Plot 80, Bhosari Industrial Estate Pune - 411026, India
IRAN	Home Co.	5th floor no 878 Philips Building Enghelab ave, P.O. 11365/7844 Tehran, Iran
IRELAND	Marantz Ireland	Clonskeagh, Dublin 14, Ireland
ISRAEL	Elmor Ltd.	52 Heh Beiyar Street, Kikar Hamedina, Tel Aviv, Israel
ITALY	Marantz Italy	Via Casati 23, 20052 Monza (Milano), Italy, Servizio Consumatori 1678-20026, Numero Verde
JAPAN	Marantz Japan Inc.	35-1 Sagami Ohno 7-Chome, Sagamihara-shi, Kanagawa 228-8505, Japan
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	A Accapella Ltd.	Ausros, Vartu G5, Pasazo Skg., 2001 Vilnius, Lithuania
MALAYSIA	Wo Kee Hong Electronics Sdn. Bhd.	102 Jalan SS 21/35, Damansara Utama, 47400 Petaling Jaya, Selangordarul Ehsan, Malaysia
MALTA	Doneo Co Ltd.	78 The Strand, Sliema SLM07, Malta
MAURITIUS	SKR Electronics Ltd.	P.O. Box 685, Bell Village, Port Louis, Mauritius
NETHERLANDS	Marantz Trading	A division of Marantz Europe B.V., Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands
NEW ZEALAND	Scan audio Pty. Ltd.	4 Station Street, Thornleigh NSW 2120, Australia
NORWAY	Hi-Fi Klubben Norway	Lillegrensen 7, N-0159 Oslo, 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
PORTUGAL	Corel2	Comércio de Electrónica Lda., Av. Luís Bivar, No 85 A, 1050 Lisboa, Portugal
PROFESSIONAL EUROPE	Marantz Professional Products	Kingsbridge House, Padbury Oaks, 575-583 Bath Road, Longford, Middlesex UB7 0EH, U.K.
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	Alltrom SRL	Soseaua Bucuresti, Ploiesti 10, Sector 1, Bucharest, Romania
RUSSIA	Trade Company SV	Bld. 2, 7 Montazhnaya Street, 107497 Moscow, Russia
SAUDI ARABIA	Ultimate Fidelity	Sameria Comm. Center, Roadah Dist., P.O. Box 7760, Jeddah 21472, Saudi Arabia
SINGAPORE	Forward Marketing (S) Pte. Ltd.	Wo Kee Hong Centre, 29 Leng Kee Road, Singapore 159099, Singapore
SLOVAKIA	Audio International Slovakia	Nam. SNP 10, 96001 Zvolem, Slovakia
SLOVENIA	Bofex	Smartinska 152, HALA V/3, 61000 Ljubljana, Slovenia
SOUTH AFRICA	Coherent Imports (PTY) Ltd.	P.O. Box 1614, Alberton, 1450, South Africa
SPAIN	Marantz Spain	Martinez Villergas 2, Apartado 2065, Madrid 28027, Spain
SWEDEN	Hi-Fi Klubben A.B.	Tegnersgatan 21, S-412 52 Gotenborg, Sweden
SWITZERLAND	Sound Company AG	Postfach, 8010 Zürich, Switzerland
TAHITI	Covecolor	Av. Prince Hinoi, Cours de l'union sacré, P.O. Box 2334, Papeete, Tahiti
TAIWAN	Pai-Yuing Co. Ltd.	6th No 148 Sung Kiang Road, Taipei 10429, Taiwan R.O.C.
THAILAND	MRZ Standard Co. Ltd.	746-750 Mahachai Road, Wangburapa, Bangkok 10200, Thailand
TURKEY	Penta Elektronik	Sanayi Ve Ticaret Ltd. Sti., Selvi Kokak, No. 4/1, Senlikkoy, 34810 Florya, Istanbul, Turkey
U.K.	Marantz Hifi UK Ltd.	Kingsbridge House, Padbury Oaks, 575-583 Bath Road, Longford, Middlesex UB7 0EH, U.K.
U.S.A.	Marantz America Inc.	440 Medinah Road, Roselle, IL 60172, U.S.A.
YUGOSLAVIA	ITM	Ljutice Bogdana Ia, Belgrade, Yugoslavia
EXPORT	Marantz Trading	A division of Marantz Europe B.V., Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands

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