

# marantz®

## Model CD110 User Guide

---

CD Player

CLASS 1 LASER PRODUCT  
KLASSE 1 LASER PRODUKT  
I.H.T. IEC 825

COMPACT  
disc  
DIGITAL AUDIO  
TEXT

## 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 sur 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 constituant 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 cuando efectuó la compra. En este caso, su recibo de compra será la prueba apropiada.

## ITALIANO

### CONDIZIONI DI GARANZIA

L'apparecchio è garantito per 365 giorni 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 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. 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.

Per informazioni sull'abbonamento al Servizio Assistenza postgaranzia e per conoscere l'indirizzo dei Centri Assistenza Marantz rivolgetevi al nostro servizio consumatori (telefono 1678-20026 - numero verde).

## 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 lokalagent.

#### SPAR KVITTOT

Kvittot är ett inköpsbevis på en värdefull vara. Det skall förvaras säkert och hänvisas till vid försäkringsfall eller vidkorrespondens mod 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 fuldgældigt bevis herpå.

# CE MARKING

- English**  
The CD110 is in conformity with the EMC directive and low-voltage directive.
- Français**  
Le CD110 est conforme à la directive EMC et à la directive sur les basses tensions.
- Deutsch**  
Das Modell CD110 entspricht den EMC-Richtlinien und den Richtlinien für Niederspannungsgeräte.
- Nederlands**  
De CD110 voldoet aan de EMC eisen en de vereisten voor laag-voltage.
- Español**  
El CD110 está de acuerdo con las normas EMC y las relacionadas con baja tensión.
- Italiano**  
Il CD110 è conforme alle direttive CEE ed a quelle per i bassi voltaggi.
- Português**  
O CD110 conforma com as diretrizes EMC e de baixa voltagem.
- Svenska**  
CD110 är tillverkad i enlighet med EMC direktiven och direktiven för lågvoltsutrustning.
- Dansk**  
Model CD110 er i overensstemmelse med EMC-direktivet og direktivet om lavspænding.

ENGLISH:

CAUTION – USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

FINNISH:

VAROITUS! Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

SWEDISH:

VARNING! Om apparaten används på annat sätt än vad som beskrivs i denna bruksanvisning kan användaren utsättas för osynlig laserstrålning som överskrider gränsen för laserklass 1 .

## WARNINGS FOR LASER RADIATION

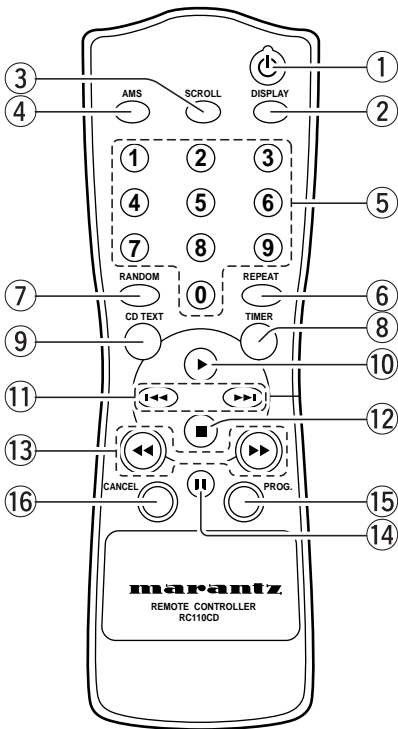
**CAUTION :** INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

**DANGER :** INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.

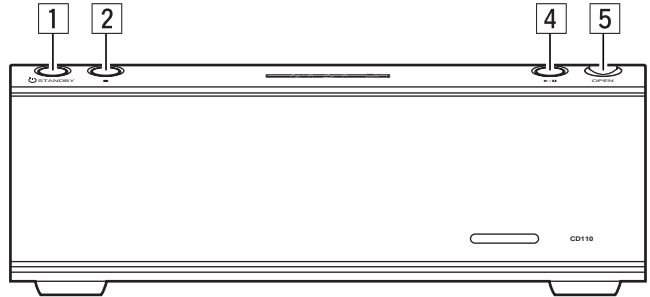
**VARO! :** AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINANAKYMÄTTÖMÄALLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

**VARNING! :** OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRALEN.

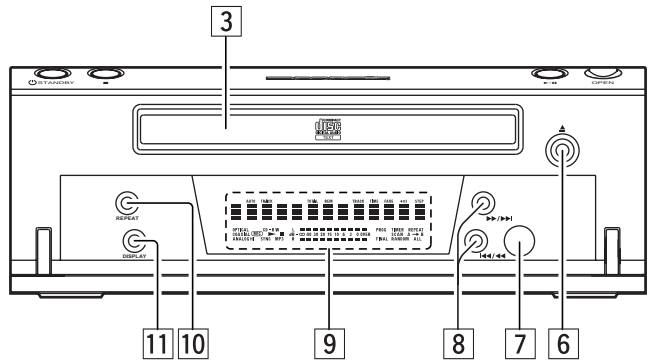
### REMOTE CONTROL UNIT



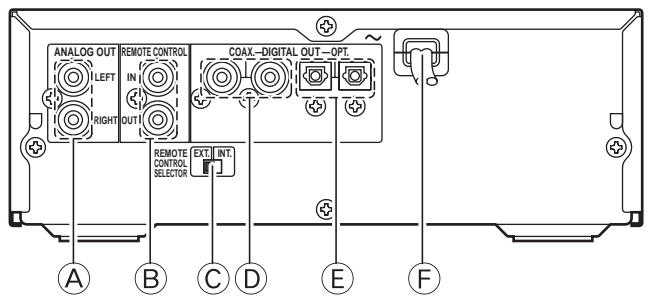
### MAIN UNIT (FRONT - CLOSED)



### MAIN UNIT (FRONT - OPENED)



### MAIN UNIT (REAR)



# FOREWORD

This section must be read carefully 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 insert anything into the equipment through the ventilation holes.
- Do not handle the mains lead with wet hands.

## EQUIPMENT MAINS WORKING SETTING

Your Marantz product complies with the household power and safety requirements in your area.  
CD110 can be powered by 230 V AC only.

## IMPORTANT: (FOR UK VERSION)

This apparatus is fitted with an approved moulded 13 Amp 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  $\perp$  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 some material may require permission. 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 page iv of this user guide. The numbers on the figures 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 installing the equipment ensure that:

- the ventilation holes are not covered.
- air is allowed to circulate freely around the equipment.
- it is placed on a vibration-free surface.
- 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.

In addition, never place heavy objects on the equipment.

If a foreign object or water does enter the equipment, contact your nearest dealer or service center.

Do not pull out the plug by pulling on the mains lead; grasp the plug.

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

# COMPACT DISCS

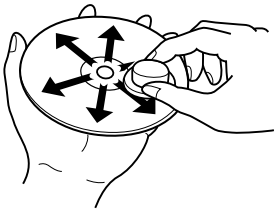
The glossy side shining like a rainbow is the front side of the disc, and the side on which the label is printed is the back. Unlike conventional turntables for playing analog discs, the CD110 Compact Disc Player reads the information recorded on the disc from underneath without contacting it using a beam of laser light. Therefore, the performance of a compact disc will not degrade like conventional analog records. Handle discs carefully so as not to damage or scratch the front side.

To protect the disc, avoid placing it in the following locations:

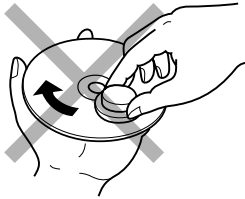
- In direct sunlight or near a source of heat like a heater.
- In a place which is damp or dirty.
- In a place which could be exposed to rain, such as near a window.

## Always keep the disc surface clean.

Up to six billion data units are recorded on the front side of the disc. When cleaning the disc surface, always be sure to use a special compact disc cleaner and wipe as shown below.

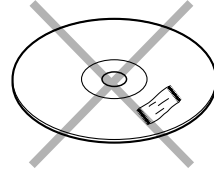


Wipe in a radial direction.

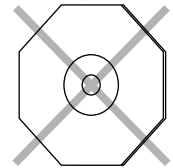
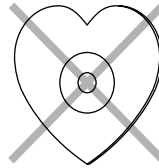


Do not wipe in circumferential direction.

- Do not use conventional record cleaner for analog records, as this will adversely affect the disc surface. Store discs properly by placing them in their disc cases.
- Do not attach a piece of paper or sticker on the label side of disc. When a disc has a piece of plastic tape or rental CD label with paste protruded from the edge or when a disc has a trace of such a sticky object, do not attempt to play the disc. If such a disc is played on the CD player, impossibility of taking out the disc or other malfunction may result.



- Do not use a disc with a special shape. Do not attempt to play a disc with a special shape such as a heart-shaped disc or octagonal disc. Otherwise the equipment malfunction may result.



# REMOTE CONTROL UNIT

## ① (Standby) button

Press to turn the unit's power on or set it to the standby mode. (Operation is not possible if the unit is connected to the SR110, the SR110's rear switch is set to SYSTEM and the CD110's REMOTE CONTROL SELECTOR EXT/INT switch is at EXT.)

## ② DISPLAY button

Press to change what is shown on the display from the disc information to the clock display, etc. (The clock display appears only when the unit is used on its own.)

## ③ SCROLL button

Press to scroll the text display of discs that support text.

## ④ AMS button

Press to play the first 10 seconds of all the tracks on the disc in sequence starting with the first track.

## ⑤ Numeric buttons

Press to specify track numbers directly. These buttons cannot be used with MP3 discs.

## ⑥ REPEAT button

Press for repeat play. Each time the button is pressed, the mode changes in the following sequence:  
All track repeat  $\overline{\text{fi}}$  1-track repeat  $\overline{\text{fi}}$  clear.

## ⑦ RANDOM button

Press for random play to play the tracks in a random sequence.

## ⑧ TIMER button

Press to set the timer and clock. (These settings can be performed only when the unit is used on its own.)


## ⑨ CD TEXT button


Press to switch what is shown on the display from disc information to text when a CD-TEXT compatible disc is used.

## ⑩ (Play) button

Press to start play.

## ⑪ , buttons


 : Press to play from the start of the track now playing. When they are pressed again within 1 second after it was pressed the first time, play starts from the track before.


 : When pressed once, play starts from the next track.

## ⑫ (Stop) button

Press to stop disc play.

## ⑬ , buttons

 : Press to forward-search through the track now playing.

 : Press to reverse-search through the track now playing. These buttons cannot be used during MP3 disc play.

## ⑭ (Pause) button

Press to stop disc play temporarily.

## ⑮ PROG. button

Press for program play.

This button cannot be used with MP3 discs.

## ⑯ CANCEL button

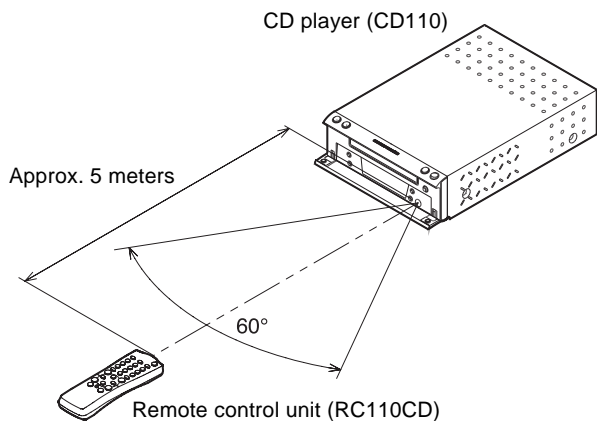
Press to cancel a programmed track.

## OPERATION OF REMOTE CONTROL UNIT

### 1. REMOTE CONTROL

The distance between the transmitter of the remote control unit and the IR SENSOR of the CD110 should be less than about 5 meters. If the transmitter is pointed to a direction other than the IR SENSOR or if there is an obstacle between them, remote control may not be possible.

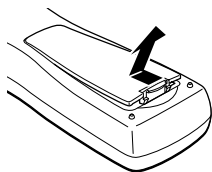
#### Remote-controllable range



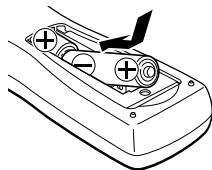
### 2. LOADING BATTERIES

The life of the batteries used with the remote control unit is about 6 months with normal use. Also be sure to replace batteries earlier when you notice that they are getting weak.

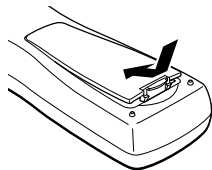
1. Remove the back cover.



2. Insert the new batteries (AA type) with correct (+) and (-) polarity.



3. Close until it clicks.





## REAR PANEL

### Ⓐ ANALOG OUT jacks

These are the output jacks for the analog audio signals. Connect them to the **CD** or **AUX** jacks, etc. on the amplifier using the supplied analog connecting cord. Remember that the white jack is for the LEFT channel and the red jack is for the RIGHT channel, and connect the jacks correctly.

\* Never connect these jacks to the **PHONO** jacks of the amplifier.

### Ⓑ REMOTE CONTROL IN/OUT jacks

The remote control operations of a system can be performed by connecting the unit to a Marantz D-BUS compatible audio component using the supplied remote control cable.

### Ⓒ REMOTE CONTROL SELECTOR EXT./INT. switch

When the unit is to be used on its own, set this selector to "INT", and when connecting the unit to Marantz audio components equipped with a D-BUS compatible remote sensor window using the remote control cable for use as part of a system, set the selector to "EXT".

\* Remote control operations cannot be performed if the **REMOTE CONTROL SELECTOR** is set to "EXT" when the unit is to be used on its own.

### Ⓓ DIGITAL OUT COAX. jacks

The CD signals during playback are output digitally to these jacks. Connect these jacks to a recorder component, amplifier, D/A converter or other unit equipped with coaxial digital input jacks using a coaxial cable obtainable from your audio dealer.

### Ⓔ DIGITAL OUT OPT. jacks

The CD signals during playback are output digitally to these jacks. Connect these jacks to a recorder component, amplifier, D/A converter or other unit equipped with optical digital input jacks using a square optical cable obtainable from your audio dealer.

### Ⓕ Power cord jack

Connect this to a household AC 230 V outlet.

## FRONT PANEL

### 1 Standby button

Press to switch the power ON, and press again to switch it OFF.

\* If the SR110 is connected to the REMOTE CONTROL jacks on the rear panel and its power is ON, the unit will not be set to the standby mode even when this button is pressed.

### 2 (Stop) button

Press to stop play.

### 3 Disc tray

Place a disc on the tray with its label surface facing up.

### 4 (Play/Pause) button

Press to start play or temporarily stop play.

### 5 OPEN button

Press to open the front panel.


### 6 (Open/Close) button


When this button is pressed, the disc tray opens so place the disc on the tray with its label surface facing up. When it is pressed again the disc tray closes.

### 7 Infrared sensor

This sensor is for receiving signals transmitted from the remote control unit.

### 8 (Track search/Skip) buttons

 : When pressed once, play starts from the next track. When held down for more than one second, the track being played is searched in the forward direction.

 : When pressed once, play resumes from the start of the track now playing. When it is pressed again within 1 second after it was pressed the first time, play starts from the track before. When held down for more than one second, the track being played is searched in the reverse direction.

### 9 Display panel

This panel displays the operating modes and statuses.

### 10 REPEAT button

Press for repeat play. Each time the button is pressed, the mode changes in sequence from "1-track repeat" fi "all track repeat" fi "clear."

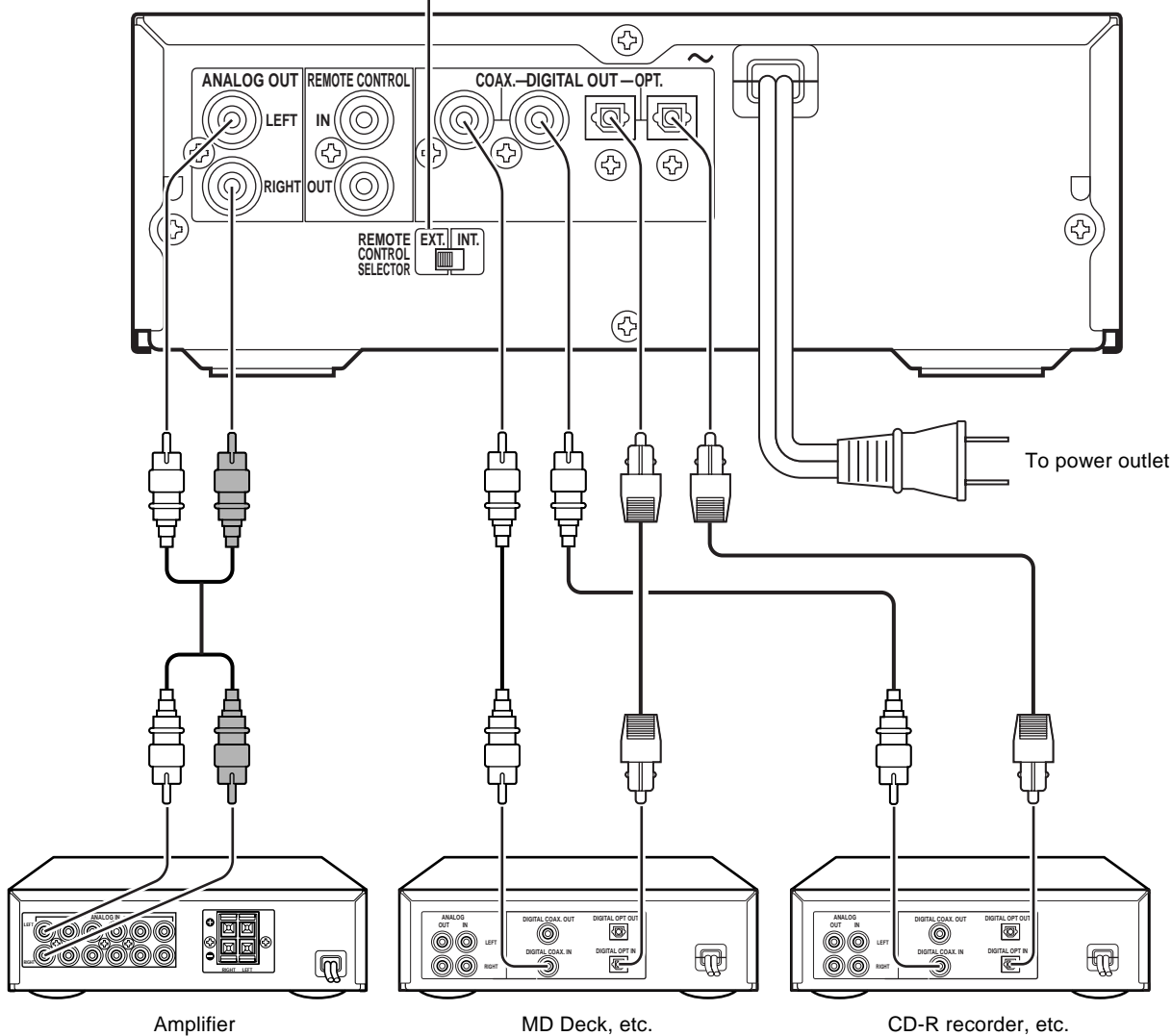
### 11 DISPLAY button

Press to select the time display. Each time the button is pressed during play, the display changes in sequence from "elapsed track time" fi "remaining track time" fi "total remaining time" fi "clock display" (when the unit is used on its own) fi "elapsed track time." If this button is pressed in the standby mode when the unit is being used on its own, the power-on mode is established for 10 seconds, during which time the clock display appears.

# CONNECTIONS

When this unit is to be used on its own, set the **REMOTE CONTROL SELECTOR** to INT, and when connecting the unit to Marantz audio components equipped with a D-BUS compatible remote sensor window using the remote control cable for use as part of a system, set the **REMOTE CONTROL SELECTOR** to EXT.

\* Remote control operations cannot be performed if the **REMOTE CONTROL SELECTOR** is set to EXT when this unit is to be used on its own.



\* If this unit is to be used as part of a system, refer to the SR110 User Guide.

## CONCERNING CD-TEXT

A new type of music CD produced by recording the album name, track names and other text information as well as music on a conventional CD is called CD-TEXT.

The text information is recorded on parts which were not used by conventional music CDs. For this reason, these CDs can be still played back on existing CD players as in the past whereas if a CD-TEXT compatible player such as this unit is used instead, their text information can be viewed as well.

Using the accessory remote control unit, this unit enables the album names and track names to be shown on the display window. Depending on the disc, however, not all the information may have been recorded.

- With this unit, up to 13 characters of this information can be displayed at one time. If the disc has more text information, the characters are scrolled (see \*) from right to left facing the display window.

\* Scrolling means moving through the text which is being displayed.

- This unit supports only alphanumerics and symbols: Chinese characters ('kanji'), hiragana and katakana are not displayed. (Nothing appears on the display when the text information consists solely of Chinese characters, hiragana and katakana.)

By pressing the CD TEXT button on the remote control unit, the following items of TEXT information on a CD-TEXT disc can be displayed in sequence.

### – During play:

Each time the button is pressed, what is displayed is switched between the name of the track being played and the time.

### – In the stop mode:

Each time the button is pressed, what is displayed is switched between the album's title and the time.

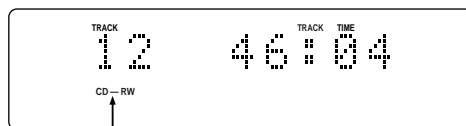
## CONCERNING CD-RW DISC PLAY

In addition to conventional music CDs and CD-R (Recordable) discs, this unit can also play CD-RW (ReWritable) discs.

- The TOC (see \*) must have been recorded correctly for CD-R or CD-RW playback. Writing the TOC information using a CD recorder is known as finalizing. Bear in mind that if the finalizing work has not been completed correctly for a disc, the disc will not be recognized correctly as a music CD by a regular CD player and will not be played. For further details, refer to the Instruction Manual of the CD recorder.

\* TOC stands for table of contents which consists of the total number of tracks on a disc, the total play time and other data.

- Playable discs include only those discs recorded in the CD-DA format for music applications. Do not attempt to play CD-ROMs for personal computers and other discs on which data has been recorded.
- Since some of the player's settings are changed when a CD-RW disc is played, it may take a little longer to read the TOC than a music CD or CD-R disc.
- "CD-RW" appears on the display when a CD-RW disc is recognized.



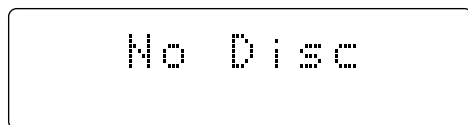
This lights.

- In some cases, due to compatibility issues, it may not be possible to play a CD-R(W) disc that has been finalized. (This problem frequently occurs when material that was recorded at 2x is played back and recorded at 2x yet again.)

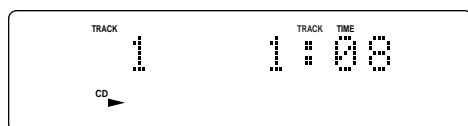
## CD PLAY

- Press the **POWER** button **[1/1]** to switch on the power.  
\* The CD110's power will also be switched on if the SR110 is connected to the **REMOTE CONTROL** jack and the SR110's power is on.

- Press the **OPEN** button **[5]** to open the panel.



- Press the **UP** button **[6]**.  
The disc tray is now extended so place the disc on the tray with its label surface facing up.
- Press the **UP** button **[6]**.
- Press the **PLAY/PAUSE** button **[4]** on the main unit or the **▶** button **[10]** on the remote control unit. If track 1 has been playing for 1 minute and 8 seconds, for instance, the following will appear on the main display during play.



Play stops automatically when the last track has been played.

### TO PLAY THE DISC AGAIN STARTING FROM THE FIRST TRACK

Press the **▶/||** button **[4]** on the main unit or the **▶** button **[10]** on the remote control unit.

### TO STOP PLAY

Press the **■** button **[12/2]**.

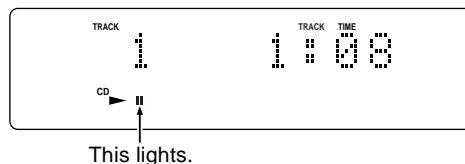
### TO REMOVE THE DISC

Press the **▲** button **[6]** to open the disc tray, remove the disc, and press the button again to close the disc tray. Keep the disc tray closed without fail when the unit is not going to be used.

### TO TEMPORARILY STOP PLAY

Press the **▶/||** button **[4]** on the main unit or the **||** button **[14]** on the remote control unit.

The pause indicator (**||**) lights, and the disc play is temporarily stopped where the button was pressed.



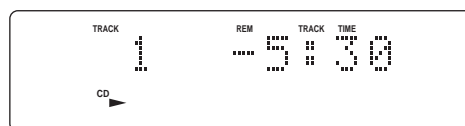
To resume play, press the **▶/||** button **[4]** on the main unit or the **▶** **[10]** or **||** **[14]** button on the remote control unit.

### TO SWITCH THE TIME DISPLAY

Press the **DISPLAY** button during play. Each time this button is pressed, the display changes in sequence from "elapsed track time" to "remaining track time" to "total remaining time" to "clock display" (when the unit is used on its own) to "elapsed track time."

- Remaining track time

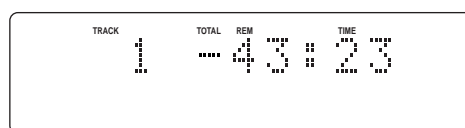
(Remaining play time from the part of the track now playing to the end of the same track)



When playing a disc that contains more than 30 tracks, the "--:--" will be displayed as the remaining track time for track 31 and subsequent tracks.

- Total remaining time

(Remaining play time from the part of the track now playing to the end of the last track on the disc)



## SEARCHING/SKIPPING

### DIRECT SEARCH (SPECIFYING THE NUMBER OF A DESIRED TRACK AND PLAYING IT)

1. Specify the track number using the numeric buttons (0 to 9).

Track 3 : Press numeric button "3."

Track 12 : Press numeric button "1" and then numeric button "2" within two seconds.

\* This operation does not work with MP3 discs.

2. Press the ►/|| button [4] on the main unit or the ► button [10] on the remote control unit.

### TRACK SKIPPING (◀◀, ▶▶)

#### TO HEAR ONE OF THE TRACKS AFTER THE ONE NOW PLAYING

Press the ►▶/▶▶I button [8] on the main unit or the ►▶I button [11] on the remote control unit for the same number of times as the number of tracks to be skipped.

#### TO HEAR ONE OF THE TRACKS PRECEDING THE ONE NOW PLAYING

Press the ◀◀/◀◀ button [8] on the main unit or the ◀◀ button [11] on the remote control unit for the same number of times as the number of tracks to be skipped.

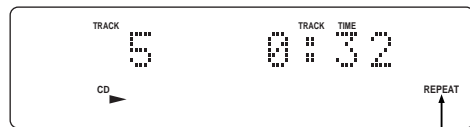
\* When the ◀◀/◀◀ button [8] or ►▶/▶▶I button [8] on the main unit is held down for more than one second, the track now playing is searched in the reverse or forward direction.

## REPEAT PLAY

### 1-TRACK REPEAT (REPEATED PLAYBACK OF ONE TRACK ONLY)

Press the REPEAT button [6]/[10] once while the track you want to repeat is playing.

The "REPEAT" indicator lights, and the track is played repeatedly.



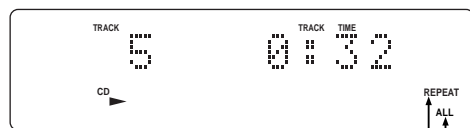
This lights.

#### TO RETURN TO NORMAL PLAY

Press the REPEAT button [6]/[10] twice. The "REPEAT" indicator goes off, the repeat mode is cleared, and normal play is restored.

### ALL TRACK REPEAT (REPEATED PLAYBACK OF ALL TRACKS ON THE DISC)

When the REPEAT button [6]/[10] is pressed twice, the "REPEAT" and "ALL" indicators light, and all the tracks are played repeatedly.



These light.

#### TO RETURN TO NORMAL PLAY

Press the REPEAT button [6]/[10] once. The "REPEAT" and "ALL" indicators go off, the repeat mode is cleared, and normal play is restored.

\* When all track repeat is selected after programming, only the tracks selected will be played repeatedly.

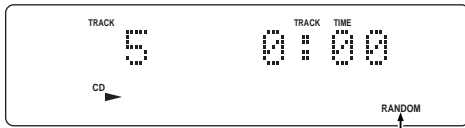
The all track repeat mode remains established at all times with MP3 discs. The "ALL" indicator does not light in this case. Only 1-track repeat can be selected.

#### Note:

If the RANDOM [7] or AMS [4] button is pressed during repeat play, the repeat play setting is cancelled.

## RANDOM PLAY

When the **RANDOM** button ⑦ is pressed during play or stop, the unit automatically rearranges the sequence of the tracks and plays all the tracks in the resulting random order. This lights.



This lights.

\* If the **RANDOM** button ⑦ is pressed with a disc placed on the disc tray while the tray is open, the disc tray will close and random play will begin.

### TO STOP RANDOM PLAY AND RETURN TO NORMAL PLAY

Press the **RANDOM** button ⑦ again.

### TO MOVE TO THE NEXT TRACK IN THE RANDOM SEQUENCE

Press the **▶▶/▶▶** button ⑧ on the main unit or **▶▶** button ⑪ on the remote control unit.

Each time one of these buttons is pressed, operation moves to the next track in the random sequence and starts playing it.

### TO SEARCH FOR A SECTION OF THE TRACK NOW PLAYING

During random play, either hold down the **◀◀/◀◀** or **▶▶/▶▶** button ⑧ on the main unit for at least 1 second or hold down the **◀◀** or **▶▶** button ⑬ on the remote control unit.

The search operation will not move to a track before or after the track now playing.

### TO REPEAT RANDOM PLAY

Press the **REPEAT** button ⑥/⑩ twice. The "REPEAT" and "ALL" indicators light on the display, and the same tracks are played repeatedly each time in a different random order.

\* If the **AMS** button ④ is pressed during random play, the random play setting is cancelled.

#### Note

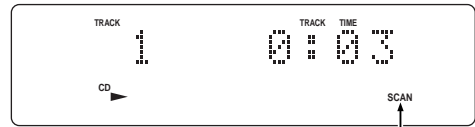
If the **RANDOM** button ⑦ is pressed when an MP3 disc is being played, the "RANDOM" indicator lights and random play applies only to the files in the directory that is being played back. If the "RANDOM" and "ALL" indicators light, random play applies to the files in all the directories.

## AMS PLAY

When the **AMS** button ④ is pressed with a regular CD in the stop mode, the "SCAN" indicator lights, and the first ten seconds of each track on the disc starting from the first track are played in succession.

If the **AMS** button ④ is pressed during play, the first ten seconds of each track on the disc starting from the track now playing are played in succession.

This function comes in handy for finding particular tracks to be played.



This lights.

Once the track to be played has been found, press the **AMS** button ④ again. The "SCAN" indicator goes off, and all the tracks starting with the located track are played in the normal play mode.

\* If the **RANDOM** button ⑦ is pressed during AMS play, the AMS play setting is cancelled.

#### Note

If the **AMS** button ④ is pressed when an MP3 disc is being played, the "AMS" indicator lights and AMS play applies only to the files in the directory that is being played back.

If the "AMS" and "ALL" indicators light, AMS play applies to the files in all the directories.

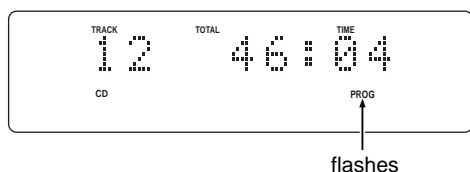
# PROGRAM PLAY

## LISTENING TO FAVORITE TRACKS IN A FAVORITE ORDER

This function cannot be used with MP3 discs.

- Random play cannot be used with program play.
- AMS cannot be used with program play.

1. When the **PROG.** button **15** is pressed in the stop mode, the "PROG" indicator flashes, and the program mode is established.

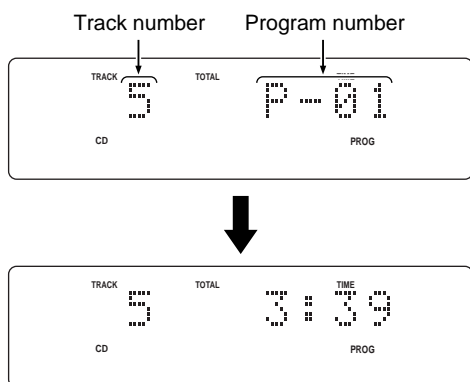


2. Select the tracks to be programmed using the numeric buttons or **1** and **2** buttons **11** on the remote control unit. (They can also be selected using the **1** and **2** buttons **8** on the main unit.)

When the tracks are to be selected using the **1** and **2** buttons **11** on the remote control unit (or **1** and **2** buttons **8** on the main unit), first select the tracks, and then press the **PROG.** button **15**.

\* To input a 2-digit track number to select a track using the numeric buttons, first input the 10's digit and, within 2 seconds, input the 1's digit.

(Example: When selecting track number 5 as the first track and its play time is 3 min. 39 sec.)



3. Then, repeat step 2 for the next track and so on to program up to 30 tracks.
4. Upon completion of all the programming, press the **10** button **10**.  
The selected tracks are now played in the programmed order.

### Note:

- If track 31 or higher is included in a program, the time display will read "--:--" from that point on.
- If the program total time exceeds 99 minutes, the time display will read "--:--".

## TO CHECK THE PROGRAM CONTENTS

Press the **PROG.** button **15** during programming.

Each time this button is pressed, the tracks will be displayed one after the other in the sequence in which they were programmed.

## TO CLEAR A PROGRAMMED TRACK

Press the **CANCEL** button **16** during programming.

Each time this button is pressed, the tracks will be deleted one at a time in sequence starting with the one programmed last.

## TO CLEAR THE ENTIRE PROGRAM

To clear the entire program, either press the **▲** button **6** on the main unit, or else press the **CANCEL** button **16** on the remote control unit three times.

## TO ADD TO THE PROGRAM

Select the track or tracks to be added using the numeric buttons or the **1** and **2** buttons **11** on the remote control unit (or **1** and **2** buttons **8** on the main unit) while the unit is in the stop mode (while "PROG" is lighted) when there is room for more tracks in the program.

To select a track using the **1** and **2** buttons **11** on the remote control unit (or **1** and **2** buttons **8** on the main unit), first select the track, and then press the **PROG.** button **15**.

- The newly added track is added to the end of the program.
- If, when using the numeric buttons to select tracks 1 through 9 on a disc with 10 or more tracks in total, track number 3 is to be selected after track number 1, for example, first press the numeric button "1" and then wait at least 2 seconds before pressing "3."
- When selecting track number 10 or higher such as track number 13, first press the numeric button "1" and then press "3" before allowing 2 seconds to elapse.
- When using the **1** and **2** buttons **11** on the remote control unit (or **1** and **2** buttons **8** on the main unit) for programming, first select the number of the desired track, and then press the **PROG.** button **15** to enter it.

## REPEAT DURING PROGRAM PLAY


If all track repeat is selected, all of the tracks in the program are repeated, not all of the tracks on the disc.

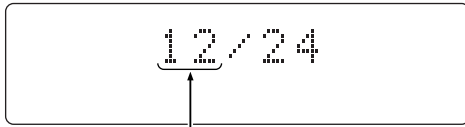
# USING THE TIMER FUNCTIONS

This unit enables a time to be set and for a disc to be played at this setting. The clock must always be set for the timer functions to be valid.









\* These functions work only when the unit is used on its own. The SR110's timer functions are used when the unit is operating as part of a system with the SR110.

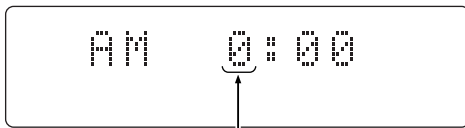
## SETTING THE TIME

1. Press the **TIMER** button  on the remote control unit for at least 3 seconds. "12/24" now appears on the display, and "12" starts flashing.











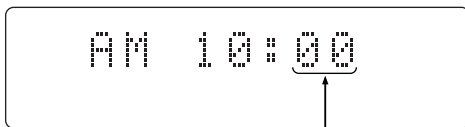
This flashes.

2. Select the 12-hour or 24-hour time display using the  and  buttons  on the remote control unit or the  and  buttons  on the main unit.
3. Press the  button  to enter the selection. The time now appears on the display, and the hour flashes. (Hour setting)











This flashes.

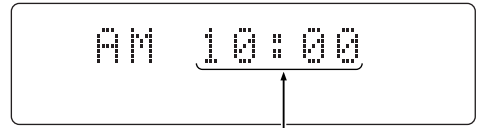
4. Set the current hour using the  and  buttons  on the remote control unit or the  and  buttons  on the main unit.
5. Press the  button  to enter the selection. The time now appears on the display, and the minute flashes. (Minute setting)



This flashes.

6. Set the current minutes using the  and  buttons  on the remote control unit or the  and  buttons  on the main unit.

7. Press the  button  to enter the selection. The time set on the display now flashes. (Second setting) This flashes.




This flashes.

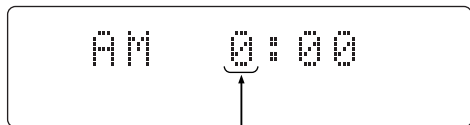
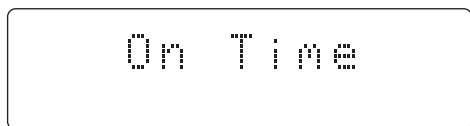
8. Finally when the stop button on the remote control unit is pressed, the time starts from 00 seconds. The entered time appears for 3 seconds, and then the original display is restored.













## TIMER PLAYBACK

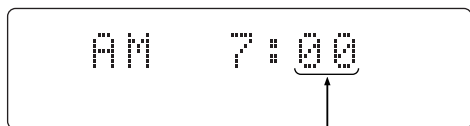
A CD can be played at a specific time by setting the playback time. The ON time and OFF time are set for timer playback.

1. Press the **TIMER** button  on the remote control unit once. On the display, "On Time" appears first followed by the time, and the hour flashes. (Playback ON hour setting)













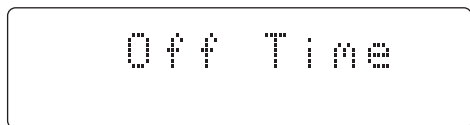
This flashes.

2. Set the playback ON hour using the  and  buttons  on the remote control unit or the / and  buttons  on the main unit.
3. Press the  button  on the remote control unit or the  button  on the main unit. The hour input appears on the display, and the minute flashes. (Playback ON minute setting)

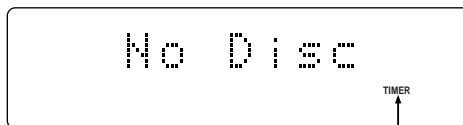


This flashes.





4. Set the playback ON minute using the  and  buttons  on the remote control unit or the / and  buttons  on the main unit.
5. Press the  button  on the remote control unit or the  button  on the main unit. On the display, "Off Time" appears first followed by the time, and the hour flashes. (Playback OFF hour setting)










6. Next, the playback OFF time is set. Repeat steps 2 through 5 to set the hour and minute. Upon completion of the settings, the timer setting mode is cleared automatically.



This lights.

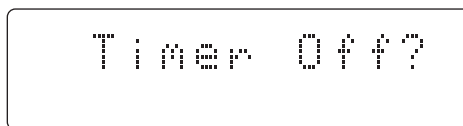
7. Press the  button  on the main unit to extend the disc tray, place the disc on the tray, and close the tray.
8. Set the  button  on the unit to off. The button now lights up orange.





## SETTING AND CLEARING TIMER PLAYBACK

1. Press the **TIMER** button  on the remote control unit twice. "Timer Off" or "Timer On" appears on the display.
2. Switch from "Timer On" and "Timer Off" or vice versa using the  and  buttons  on the remote control unit or the / and  buttons  on the main unit.
  - Select "Timer On" to set timer playback.



- Select "Timer Off" to clear timer playback.



3. Press the  button  on the remote control unit or the  button  on the main unit.

### Important

Timer playback cannot be set if "No Disc", "Error Disc" or "Blank Disc (CD-R(W))" is displayed.

## CONCERNING MP3

This unit is capable of playing MP3-CDs and CDR or CD-RW discs with MP3 files created by the user. For playing CDR or CD-RW discs with MP3 files, the ".mp3" extension is used to save the data created by the user in files. Other extensions such as ".doc," ".txt" and ".pdf" cannot be used. This unit is not capable of digitally recording MP3 files.

### MP3 PLAYBACK

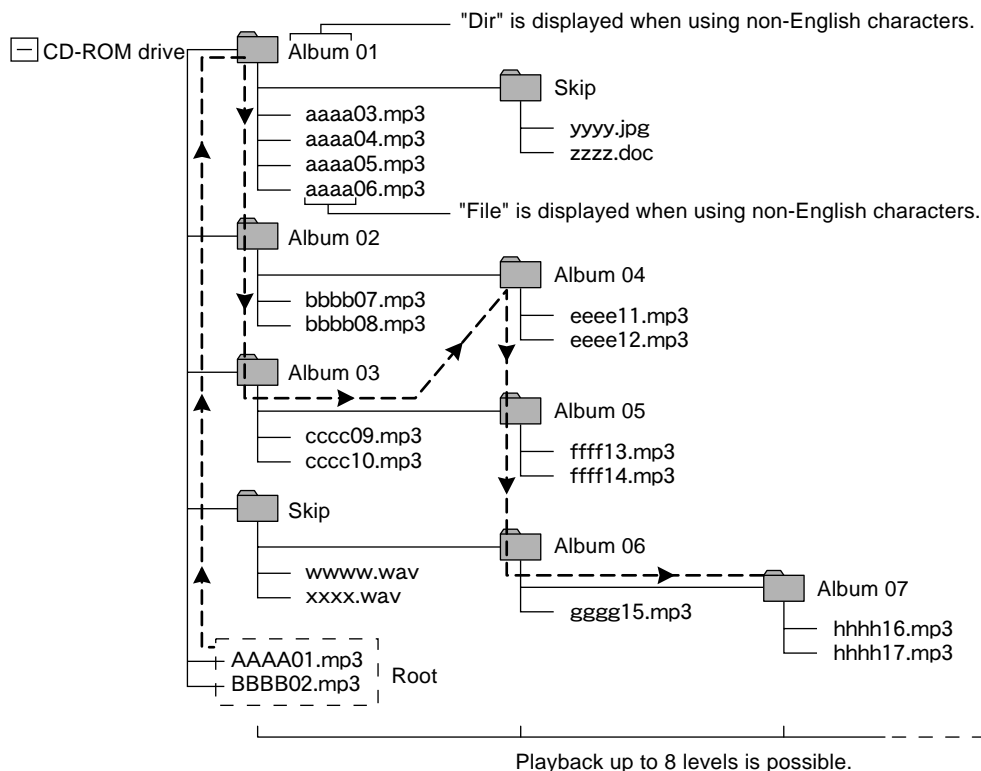
- Press the **⏻** button **①/①** to switch on the power.  
\* The CD110's power will also be switched on if the SR110 is connected to the remote control jack and the SR110's power is on.
- Press the **OPEN** button **⑤** to open the panel.
- Press the **▲** button **⑥**.  
The disc tray is now extended so place the disc on the tray with its label surface facing up.
- Press the **▲** button **⑥**.  
Alternatively, push the front of the disc tray gently.
- Press the **▶/||** button **④** on the main unit or the **▶** button **⑩** on the remote control unit. Playback commences in sequence from the first album. (See figure below)  
Press the **▶** button **⑩** again to play a track.

### SELECTING ALBUMS

- Select the desired album using the **◀/◀◀** and **▶▶/▶▶** buttons **⑧** on the main unit or the **◀◀** and **▶▶** buttons **⑪** on the remote control unit.
- Press the **▶/||** button **④** on the main unit or the **▶** button **⑩** on the remote control unit. Playback now starts in sequence starting from the selected album.  
Press the **▶** button **⑩** again to play a track.

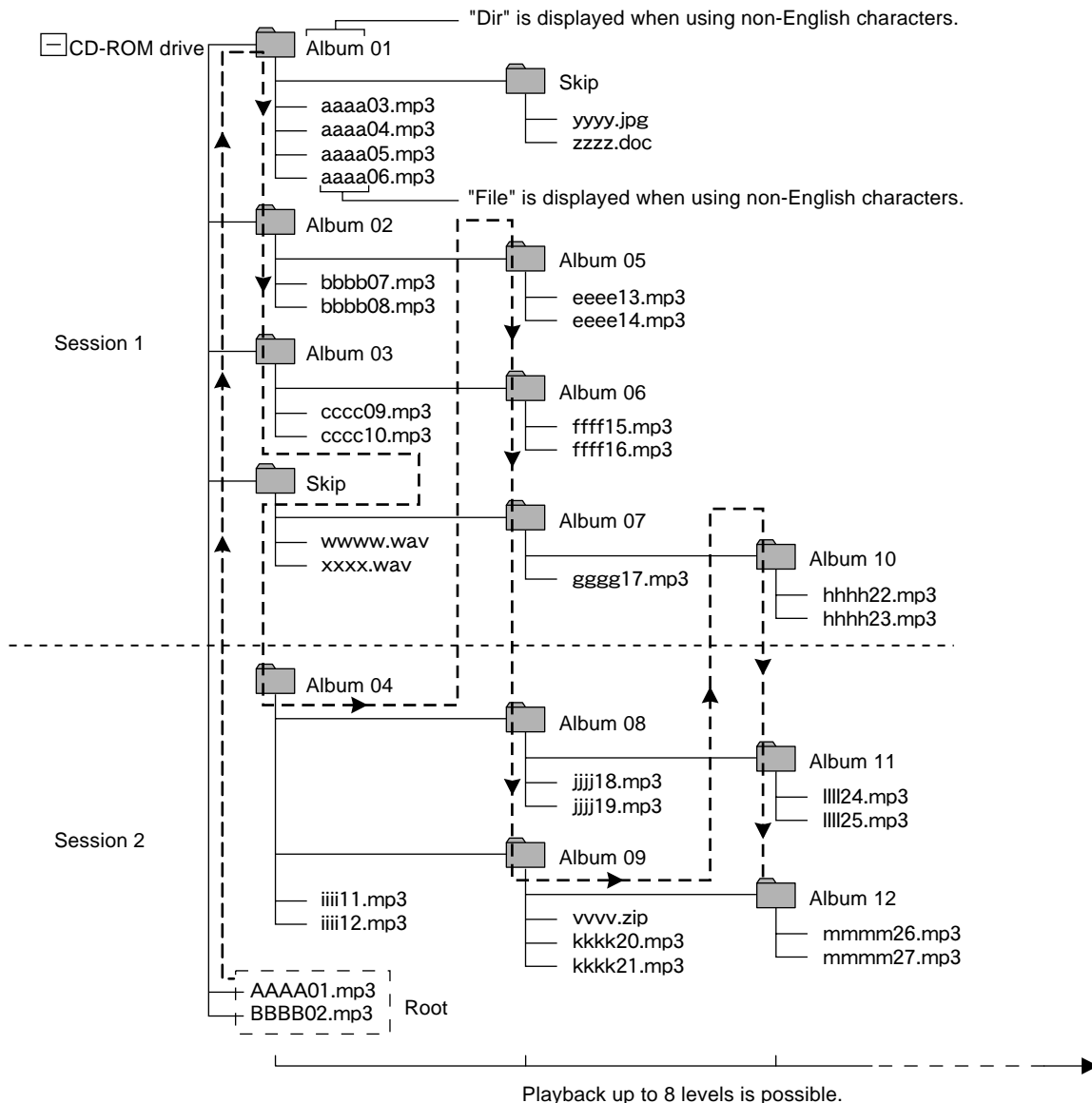
### EXAMPLE OF PLAYBACK SEQUENCE

When there is just the one session  
(Figure showing what is displayed by Windows Explorer)



- The dotted lines (- ->-) with arrows indicate the MP3 album and track playback sequence.
- Album 01 - album 07  
In the example shown in the figure, the CD-ROM has seven MP3 albums.
- AAAA01.mp3 - mmmm17.mp3  
In the example shown in the figure, the CD-ROM has 17 tracks: "01" is the first track and "17" is the last one.
- Only files with the ".mp3" extension are played: files with extensions such as ".wav," ".jpg" and ".doc" are skipped.

**When there are multiple sessions**  
**(Figure showing what is displayed by Windows Explorer)**



- Even when there are multiple sessions, playback is still performed in hierarchical sequence starting from the top level.
- The dotted lines with arrows (->-) indicate the MP3 album and track playback sequence.
- Album 01 - album 012  
 In the example shown in the figure, the CD-ROM has twelve MP3 albums.
- AAAA01.mp3 - mmmm27.mp3  
 In the example shown in the figure, the CD-ROM has 27 tracks: "01" is the first track and "27" is the last one.
- Only files with the ".mp3" extension are played: files with extensions such as ".wav," ".jpg" and ".doc" are skipped.
- With the CD110 compact disc player, the playback sequence may differ from the one displayed on the PC screen as shown above. (It may also vary depending on the writing software program.)

## TROUBLESHOOTING

If you believe that a malfunction has occurred, first check the points listed below. The problem may have been caused by a simple operational error or a connection problem. If the problem is not solved even after carrying out the following checks, consult your dealer or nearest Marantz sales office or service center.

### The disc fails to rotate.

- Has the power cord been connected correctly?
- Is the unit's power ON?
- Has the disc been placed in the correct position?
- Has the disc been placed upside down on the tray? (Is the label side of the disc facing up?)
- Is the disc dirty?
- Is the disc scratched?
- Is the disc warped?

### The disc rotates but no sound is heard.

- Have the amplifier and speaker been connected correctly?
- Is the amplifier's power ON?
- Has the amplifier's function or selector switch been set to "CD" or "AUX" (to the position corresponding to where you connected the CD110)?
- Is the amplifier's volume control at its lowest setting?

### The disc stops rotating in mid-operation.

- Is the disc dirty?
- Is the disc scratched?
- Is the disc warped?

### The sound breaks up or noise is heard.

- Is the disc dirty or scratched?
- Is the disc warped?
- Is the CD a music CD? (CD-ROMs for personal computers, DTS-CDs, etc. cannot be played.)

### Remote control operation is not possible.

- Is the transmitter of the remote control unit (RC110CD) pointed correctly at the remote sensor of the CD player (CD110)? Are there any obstacles between these two windows?
- Have the batteries in the remote control unit (RC110CD) run down?
- Is there another source of strong light striking the remote sensor window of the CD player (CD110)?
- Is the REMOTE switch on the rear panel set to EXT.?

### CD-R or CD-RW discs cannot be played.

- Has the disc been placed wrong side up on the tray?
- Has the finalizing work (TOC writing) been completed correctly?
- Is the format (CD-DA) for music used for the recorded information?

## OPERATING PRECAUTIONS

- In the winter you may notice that condensation forms on the window of a well-heated room.  
Condensation may also occur inside the CD player in the following situations:
  - When the listening room is first heated.
  - When the humidity in the room is high.
  - When the unit is moved from a cold environment to a warm room.
- If condensation occurs, the number of tracks cannot be read and the CD player may not function properly. If this happens, leave the power ON and wait for about 30 minutes before operating the unit.
- The CD player may interfere with the reception of your tuner or TV set. If this occurs, place the CD player farther away from the tuner or TV.
- The CD player features very little noise compared to analog records, and the noise before actual playback begins is almost inaudible. Therefore, be careful not to set the volume control of the amplifier too high, otherwise other audio components such as the speakers may be damaged when actual playback starts.

## CLEANING OF EXTERIOR SURFACES

With proper care and cleaning, the exterior finish of your equipment will last indefinitely. Never use scouring pads, steel wool, scouring powders or harsh chemical agents (e.g. lye solution), alcohol, thinners, benzine, insecticide or other volatile substances, as these will mar the finish of the cabinet. Likewise, never use cloths containing chemical substances. If the equipment becomes dirty, wipe the external surfaces with a soft, lint-free cloth.

If the cabinet becomes heavily soiled:

- dilute some washing-up liquid in water, in a ratio of one part detergent to six parts water;
- dip a soft, lint-free cloth in the solution and wring the cloth out until it is damp;
- wipe the equipment with the damp cloth;
- dry the equipment by wiping it with a dry cloth.

## REPAIRS

Only the most competent and qualified service technicians should be allowed to service the equipment. The Marantz company and its factory-trained warranty station personnel have the knowledge and special facilities needed for the repair and calibration of this precision equipment. After the warranty period has expired, repairs will be performed for a charge if the equipment can be restored to normal operation.

In the event of difficulty, consult your dealer or write directly to the nearest location to you that is listed on the Marantz Authorized Service Station list. Please quote the model and serial number of the equipment and give a full description of what you think is abnormal about the equipment's behaviour.

# SPECIFICATIONS

## Audio Characteristics

|                                  |   |
|----------------------------------|---|
| Channels .....                   | 2 channels                                |
| Frequency range .....            | 20Hz-20kHz                                |
| Dynamic range .....              | > 90 dB                                   |
| S/N ratio (WTD) .....            | 87 dB                                     |
| Channel separation (1 kHz) ..... | 87 dB                                     |
| THD (1 kHz).....                 | 0.02 %                                    |
| Wow & flutter .....              | Precision of quartz                       |
| Error correction .....           | Cross-interleave read solomon code (CIRC) |
| Analog output .....              | 2.0 V RMS                                 |
| Digital output (Coaxial).....    | 0.5 Vp-p/75 ohms                          |
| Digital output (Optical) .....   | -20 dBm                                   |

## Optical Readout System

|                  |                      |
|------------------|----------------------|
| Laser .....      | GaAIAs semiconductor |
| Wavelength ..... | 780 nm               |

## Signal System

|                          |                       |
|--------------------------|-----------------------|
| Sampling frequency ..... | 44.1 kHz              |
| Quantization .....       | 16-bit linear/channel |

## Others

|                         |                |
|-------------------------|----------------|
| Power Supply .....      | AC 230 V 50 Hz |
| Power Consumption ..... | 13 W           |

## Cabinet, etc.

|                              |                          |
|------------------------------|--------------------------|
| Dimensions (W · H · D) ..... | 210 · 71.5 · 310 mm      |
| Net weight .....             | 3.1 kg                   |
| Operating temperatures ..... | +5 °C ~ +45 °C           |
| Operating humidity .....     | 5 % ~ 90 % (without dew) |

## Accessories

|                                    |                      |
|------------------------------------|----------------------|
| Remote control unit (RC110CD)..... | 1                    |
| Dimensions (W · H · D) MAX .....   | 50.5 · 154.5 · 25 mm |
| Weight .....                       | 60 g                 |
| AA type Batteries .....            | 2                    |
| Stereo audio cable .....           | 1 pair               |
| Remote cable .....                 | 1                    |
| Registration Card .....            | 1                    |
| User's Guide .....                 | 1                    |

Specifications subject to change without prior notice.

| COUNTRY                | COMPANY                                   | ADDRESS  |
|------------------------|---|--|
| ALGERIE                | Azur 2000                                 | 8, Lotissement Ben Hatadi, Alger, Algerie  |
| ARMENIA                | NGYIG Ltd.                                | 47 A/75 St. Lalaianis, 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 Moharja Lane Asadgonj, Chittagong 4000, Bangladesh                                      |
| BELGIUM                | Van der Heyden Audio N.V.                 | Brusselbaan 278, 9320 Ereembodegem, 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                          |
| FINLAND                | Audio Nord                                | Uudenmaankatu 4-6, Helsinki SF-00120, 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                | ID Electronics Ltd.                       | Armula 38, 108 Reykjavik, Iceland  |
| INDIA                  | NOVA Audio Private                        | 8,Punam Co-op.Society 29/30 Road#5, Union Park MUMBAI 400052, 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            |
| IVORY COAST            | Hifivoir                                  | B.P. 2428, Abidjan 01, Ivory Coast   |
| 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              | Accapella Ltd.                            | Ausros, Vartu G/5, 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  |
| MILITARY MARKET EUROPE | PASCO GmbH                                | PO BOX 1280, Sandhausen 69200, Germany   |
| NETHERLANDS            | Marantz Domestic Sales                    | A division of Marantz Europe B.V., Building SFF2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands |
| NEW ZEALAND            | Wildash Audio Systems                     | 14 Malvern Road, Mt. Albert, Auckland, New Zealand   |
| 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   |
| PORTUGAL               | Corel2                                    | Comércio de Electrónica Lda., Av. Luis 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                | 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              | Forward Marketing (S) Pte. Ltd.           | Wo Kee Hong Centre, 29 Leng Kee Road, Singapore 159099, Singapore                                    |
| SLOVAKIA               | Bis Audio s.r.o.                          | 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   |
| SRI LANKA              | The listening Room                        | Mezzanine Floor, The Landmark 385, Galle Road, Colombo - 3, Sri Lanka                                |
| 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                             |
| 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   |
| TUNESIA                | Societe EDEVIG                            | 40, Avenue du Golfe Arabe, El Menzah, 1004, Tunesia  |
| TURKEY                 | Türk Philips Ticaret A.S.                 | Yukari Dudullu Organize sanayi Bolgesi, 2.Cadde no.28, 81260 Umraniye-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 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, The Netherlands    |

www.marantz.com

**marantz**® is a registered trademark.

