

marantz®

Model DR110 User Guide

Compact Disc Recorder

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

COMPACT
disc
DIGITAL AUDIO
Recordable
ReWritable

ENGLISH

WARRANTY

For warranty information, contact your local Marantz distributor.

RETAIN YOUR PURCHASE RECEIPT

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

IMPORTANT

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

FOR U.K. ONLY

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

FRANÇAIS

GARANTIE

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

CONSERVER L'ATTESTATION D'ACHAT

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

IMPORTANT

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

DEUTSCH

GARANTIE

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

HEBEN SIE IHRE QUITTING GUT AUF

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

WICHTIG!

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

NEDERLANDS

GARANTIE

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

UW KWITANTIE, KASSABON E.D. BEWAREN

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

BELANGRIJK

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

ESPAÑOL

GARANTIA

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

GUARDE SU RECIBO DE COMPRA

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

IMPORTANTE

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

ITALIANO

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.

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 bloccare le aperture sul 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

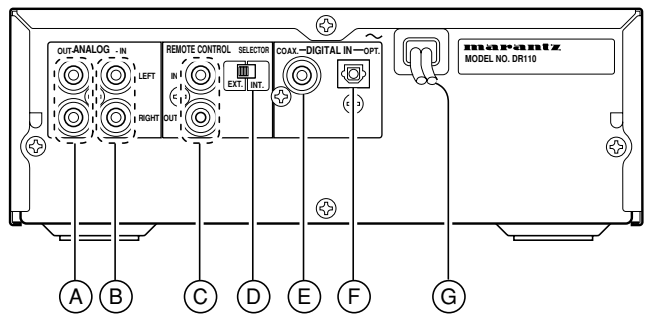
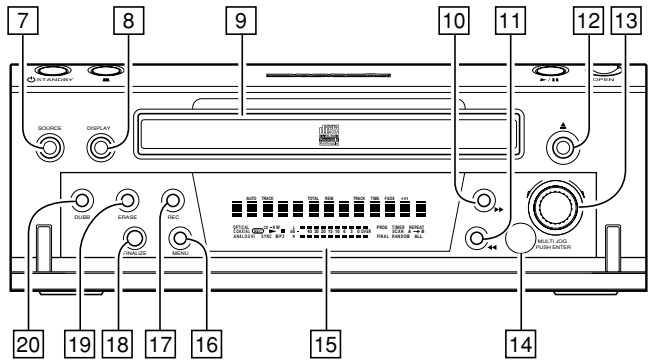
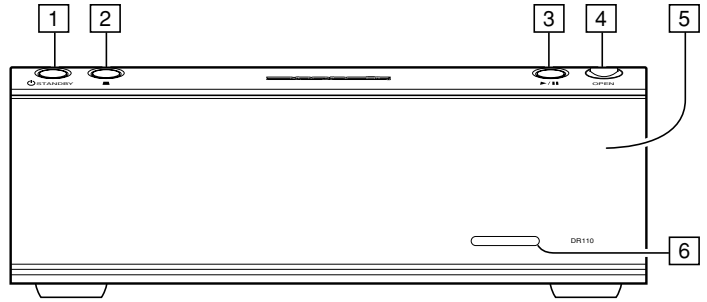
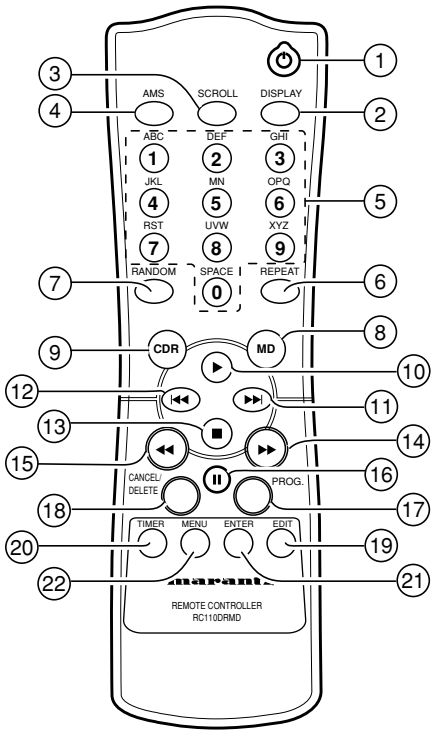
För att ventilera enheten, ställ den inte i ett ställ eller bokhylla och tänk på följande.

- Vidrör inte ytterhöljets ovansida under pågående drift.
- Blockera inte öppningarna i ytterhöljet under pågående drift.
- Stick inte in föremål under enheten.
- Blockera inte ventilaionshålen ovanpå enheten. Placera inte någonting närmare än 1 meter ovanför apparaten eller enheten.
- Se till att 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 et frit område på omkring 0,2 m omkring apparatet.



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 system
Your Marantz product complies with the household power and safety requirements in your area.
DR110 can be powered by 230 V AC only.

IMPORTANT: (FOR/UK. VERSION ONLY)

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

Congratulations on the acquisition of your CD-Recorder. This CD-Recorder now enables you to record, play and erase your own audio Compact Discs. Naturally the recorder can also be used to play all pre-recorded CDs.

With the exception of legal restrictions pertaining to copying, you can now create your own high-quality audio recordings on CD. The discs used to record must bear the logos shown below. Copyright fees have been paid on these discs in some countries. Recording on other types of discs (e.g. CD-R for professional recordings) is not possible.

There are two types of recordable AUDIO discs:
CD-R(W) discs have a compatibility to play/record on the CD-Recorders based on the ORENGE BOOK Part II/III. But the discs might not be able to be played/recorded properly depending on the combinations of the discs and CD-Recorders.

1. CD Recordable Audio (record once):
Fully recorded and subsequently finalized audio CD-R discs can be played on all CD players and recorders that are suitable for CD-R discs. A CD-R disc can be recognized by the following logo:



2. CD ReWritable Audio (multiple recording):
Recorded and finalized audio CD-RW discs can be played on all CD players and recorders that are suitable for CD-RW discs. An increasing number of players and recorders will be suitable for these discs in the future. A CD-RW disc can be recognized by the following logo:



The CD-R(W)disc for 'DIGITAL AUDIO' can be both recording and playing on this CD-Recorder. In addition, this CD-Recorder can play the CD-R(W) disc for 'PROFESSIONAL RECORDING', but cannot record it.

Once you start using the recorder, you will discover how easy it is to 'make' your own CDs. Nevertheless, we recommend that you use an erasable (CD-RW) digital audio disc on your first attempt, while following the instructions given here.

Attention!

Recordings may only be made for personal use.

It is forbidden to copy material protected by copyright, including computer programs, films, television and audio recordings. This appliance may not be used for applications of this type.

Note:

Some CD players can not play the finalized CD-R(W) discs because of the low reflectivity of such discs.

Because of laser power differences, some DVD players cannot play the finalized CD-R(W) discs.

Read the text carefully and keep the instructions close at hand so that you can refer to them if necessary.

SETUP

- Place the recorder on a strong, vibration-free surface.
- Do not use the recorder under extremely damp conditions.
- If the recorder is placed in a cabinet, make sure that a 2.5 cm space remains free on all sides of the recorder for proper ventilation.

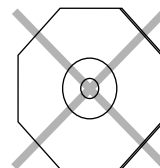
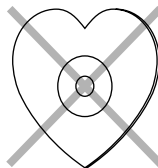
Attention!

If the appliance is not used or operated in accordance with the instructions, this may result in exposure to dangerous radiation or other risks.

Only authorized technicians are allowed to open the appliance casing or to perform repairs or maintenance.

- Write only on the printed side of a CD-R or CD-RW, and only with a soft felt-tipped pen.
- 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.



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 DR110 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.

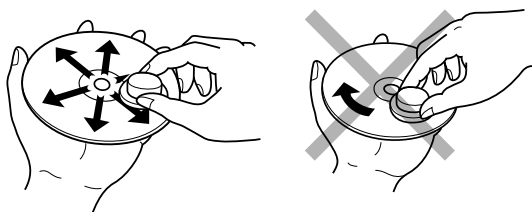
Handle discs carefully so as not to damage or scratch the front side.

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.

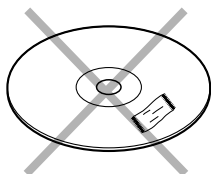
Up to six billion data units are recorded on the front side of the disc. When cleaning the disc surface, always be sure to use a special compact disc cleaner and wipe as shown below.



- 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.



REMOTE CONTROL UNIT

① STANDBY switch

Press this switch to turn the power of the unit ON. Press this switch again to turn the unit OFF, and the unit enters standby mode.

Note:

If Marantz receiver SR110 is connected as the system connection, this button will be unavailable to turn on or off. In this time, you use the power switch of SR110 to turn on or off.

② DISPLAY button

This button is used to change the disc information or present time.

Note:

A present time can be also displayed for 10 seconds in standby mode.

A present time cannot be displayed if Marantz receiver SR110 is connected through the REMOTE CONTROL bus and set the system switch to **EXT** (System connection activates).

③ SCROLL button

This button is used to scroll the text over the display.

④ AMS button

This button is used to play the first 10 seconds of each track

⑤ Numeric (ten keypad) button

These buttons are used to select a track number or character for text input.

⑥ REPEAT button

This button is used to repeat play. Each press of this button change the repeat mode as following;

All tracks → one track → (cancel)

⑦ RANDOM button

This button is used to random play.

⑧ MD button

This button is used to change the MD mode.

Note:

Never press this button, when you use DR110.

⑨ CDR button

This button is used to change the CD-R mode.

Note:

Press this button at first, when you use DR110 .

⑩ ► (Play) button

This button is used to play the disc.

⑪ ►►| button

This button is used to advance to next track.

⑫ |◀◀ button

This button is used to return to previous tracks.

⑬ ■ (Stop) button

This button is used to stop the disc playing/recording. Press this button to store the CD-text in menu mode.

⑭ ►► button

This button is used to search forward.

⑮ ◀◀ button

This button is used to search backward.

⑯ || (Pause) button

This button is used to interrupt the disc playing/recording.

⑰ PROG. button

This button is used to activate playing programme.

⑱ CANCEL / DELETE button

This button is used to cancel playing programme. Press this button to delete a character in menu mode.

⑲ EDIT button

This button is used to change the CD-text character in menu mode. This button is unavailable for DR110.

⑳ TIMER button

This button is used to activate/cancel the timer program. Press and hold this button to adjust the clock for 3 seconds or more.

Note:

This button is unavailable when Marantz receiver SR110 is connected through the REMOTE CONTROL bus and set the system switch to **EXT** (System connection activates).

㉑ ENTER button

This button is used to decide for the selected item.

㉒ MENU button

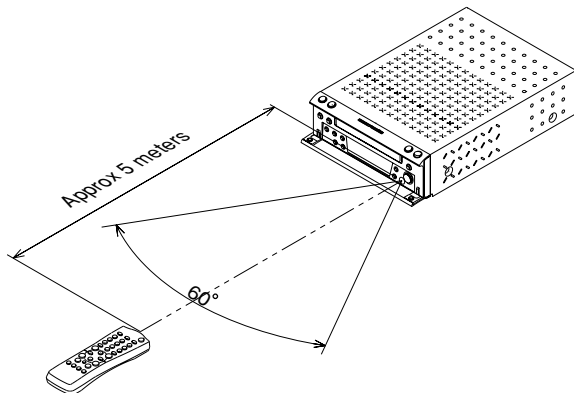
This button is used to activate the menu mode.

OPERATION OF REMOTE CONTROL UNIT

1. REMOTE CONTROL

The distance between the transmitter of the remote control unit and the IR SENSOR of the DR110 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.

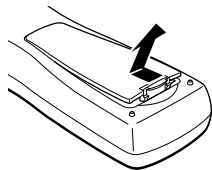
Remote-controllable range



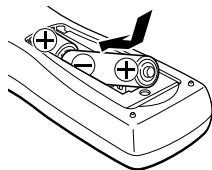
2. LOADING BATTERIES

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.

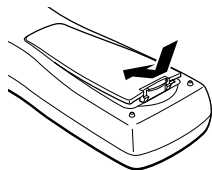
1. Remove the back cover.



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



3. Close until it clicks.



MAIN UNIT

REAR PANEL

Ⓐ ANALOG output jacks

Connect to the audio input jacks of an amplifier.

Ⓑ ANALOG input jacks

Connect to the audio output jacks of an amplifier or a CD player.

Ⓒ REMOTE CONTROL jacks

Connect to a component equipped with remote control jacks. (Refer to page 3.)

Ⓓ System SELECTOR switch

This switch selects the system operation mode. Set to EXT position when DR110 is being used in combination with a receiver (SR110), CD (CD110), or MD (MD110).

If your component is not capable of system connection, set this switch to INT position.

Ⓔ COAX. DIGITAL IN jacks

Connect to the digital coaxial output jacks of an amplifier or a CD player.

Ⓕ DIGITAL IN OPT jacks

Connect to the digital optical output jacks of an amplifier or a CD player.

Ⓖ AC power cord

Plug into an AC 230V household outlet.

FRONT PANEL

1 STANDBY button

Press this button to turn the power of the unit ON. Press this button again to turn the unit OFF, and the unit enters standby mode.

Note:

If Marantz receiver SR110 is connected through the REMOTE CONTROL bus and set the system switch to **EXT** (System connection activates), this button will be unavailable to turn on or off. In this time, you use the power switch of SR110 to turn on or off.

2 (Stop) button

This button is used to stop the disc playing/recording. Press this button to store the CD-text in menu mode.

3 (Play) / (Pause) button

This button is used to play the disc.

This button is used to interrupt the disc playing/recording.

4 Door OPEN button

This button is used to open the door.

5 Front panel door

This door be opened by pressing the door OPEN button.

6 IR lens

You can operate the unit even if the receiver door is closed. The infrared signal from the remote control enters the unit through this lens and infrared sensor.

Note:

Never remove this lens. If you remove this lens, the receiver cannot receive the infrared signal from remote control when the SR110's door is closed.

7 SOURCE button

This button is used to select the input source.

8 DISPLAY button

This button is used to change the disc information or present time.

Note:

A present time can be also displayed for 10 seconds in standby mode.

A present time cannot be displayed if Marantz receiver SR110 is connected through the REMOTE CONTROL bus and set the system switch to **EXT**,

9 Disc tray

Load the CD, CD-R or CD-RW disc.

10 button

This button is used to search forward.

11 button

This button is used to search backward.

12 (open/close) button

This button is used to open/close the disc tray.

13 MULTI JOG control

Select the previous or next track by turning this knob.
Select the item or character by turning this knob in menu mode.
Decide the selected item in menu mode.

14 Infrared sensor

The infrared signal from the remote control enters the unit through this sensor.

15 Display panel

This panel shows information on the status of the unit.

16 MENU button

This button is used to enter the menu mode.

17 REC button

This button is used to record.

18 FINALIZE button

This button is used to finalize a CD-R(W) disc.

19 ERASE button

This button is used to erase a CD-RW disc.

Note:

Only CD-RW disc can be erased.

20 DUBB button

This button is used to the CD-SYNC feature.

Note:

The CD-SYNC feature is available when Marantz receiver SR110 and CD player CD110 are connected by using the system connection.

CONNECTIONS

DR110 can be used to record directly or through a (pre-) amplifier from any digital or analog audio source. In addition, the appliance can be used as a regular CD player. Read how to connect the DR110 based on the possibilities your other audio equipment offers. Please refer to the operating instructions for your other audio equipment first.

THE FOLLOWING OPTIONS ARE AVAILABLE:

- system connections
- analog connections
- digital coaxial connections
- digital optical connections

SYSTEM CONNECTION

By connecting DR110 to Marantz receiver SR110 and CD player CD110, you can operate DR110 by the remote control of SR110.

Connect the cable for audio signal and remote control for system signal. Set the remote control selector to "EXT" for DR110 and CD110 and "SYSTEM" for SR110.

Set the power ON/OFF switch to "ON" for DR110.

More Information, please refer the SR110 users manual.

Note:

- Refer to the user guide of the receiver SR110 before using the system connection.
- When you don't use the system connection, set the remote control selector to 'INT' to use the remote controller.

IMPORTANT

- Never stack the DR110 over (or under) the SR110.

ANALOG CONNECTIONS

For recording and playing, connect (using the enclosed cable with red and white plugs) the DR110 to an amplifier (preferably the CD-Recorder or TAPE connection) based on the diagram below:

1. For recording, connect cable ① between the ANALOG IN jacks on DR110 and the CD LINE- or TAPE OUTPUT-jacks of an amplifier.
2. For playback, connect cable ② between the ANALOG OUT jacks on DR110 and the ANALOG INPUT-jacks of an amplifier e.g. TAPE IN, CD or AUX.

DIGITAL COAXIAL CONNECTIONS

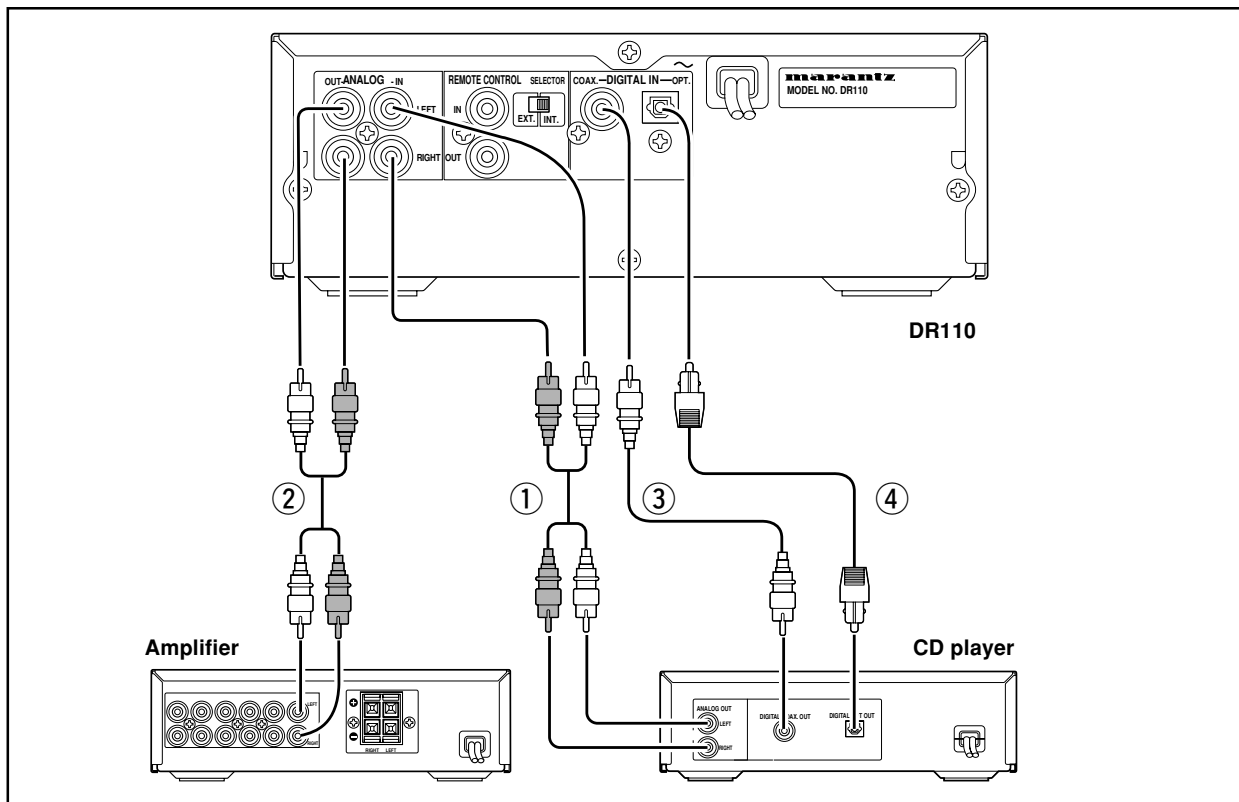
For recording and playing, connect (using the suitable coaxial cable, available from your supplier) the CD-Recorder to a digital amplifier or other equipments based on the diagram below:

1. For a recording, connect the cable ③ between the COAX DIGITAL IN-jack on the DR110 and the DIGITAL OUTPUT-socket of an amplifier or CD player.

DIGITAL OPTICAL CONNECTIONS

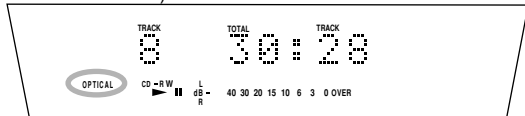
For recording and playing, connect (using the suitable fiber-optic cable, available from your supplier) the CD-Recorder to a digital amplifier or other equipments based on the diagram below. Before connection the cables, remove the dust caps from the digital optical connections. We recommend that you save the caps.

1. For recording, connect a fiber-optic cable ④ between the DIGITAL IN OPT jack of DR110 and the DIGITAL OPTICAL OUTPUT of an external amplifier or CD player.



MANUAL RECORDING

1. Make sure the disc is absolutely free of scratches and dust particles.
2. Connect the cable from a CD player to the DR110. (see CONNECTIONS page 7.)
3. Press **SOURCE** button [7] repeatedly until the selected source appears on the display (depending on the connection used):



- "OPTICAL", "COAXIAL" or "ANALOG" lights up.

About Auto Track increment

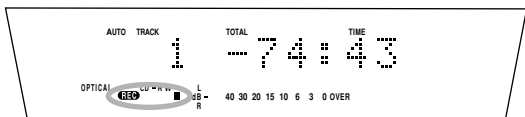
- When Auto Track is ON (default setting), track numbers will automatically be increased during recording.
- To switch off the Auto Track function you have to enter MENU MODE.

ON (AUTO): The track increments are automatically taken over from the digital source material or after 2.7 seconds silence during analog recording.

OFF: Track numbers cannot be incremented. DR110 records one track even if a source has some tracks.

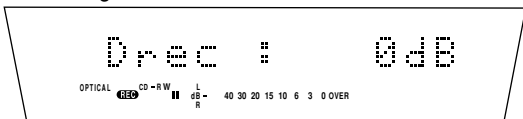
- Track numbers cannot be changed after recording.

4. Press the **REC** button [17] to enter the record standby mode.



- "REC" and "II" light up.

5. Set the optimal recording level on the DR110.
 - 1 Play the source first to set the optimal recording level on the DR110.
 - 2 Rotate the **MULTI JOG** [13] to adjust the recording level. The maximum position of the level could **not** be reaching the red section.

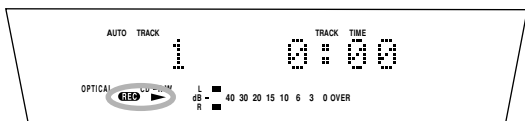


Drec (DIGITAL RECORDING) : +6 dB ~ -63 dB (initial 0 dB)

Arec (ANALOG RECORDING) : -0 dB ~ -63 dB (initial -18 dB)

- 3 Stop the source.

6. To start recording, press the ►/II button [3] or the II button [16] and immediately start the source from stop mode.



- "REC" and "►" and light up.

- The track number and recording time are display.
 - DR110 will stop automatically when the source stops or the silent part of source continues 20 seconds or more.
 - To check the elapsed recording time, press **DISPLAY** button [8] / [2].
7. To stop recording, press ■ button [2] / [13].
 - If ■ button [2] / [13] was pressed within 3 seconds after pressing the ►/II button [3] or II button [16], no recording will take place.

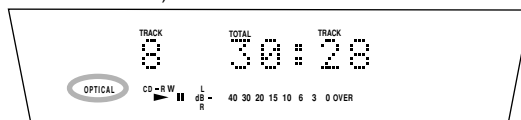
Important:

- If you want to play the recorded CDR disc on any regular CD player, it must first be finalized. (See FINALIZING/UNFINALIZING page 10.)
- Sound might be distorted when the recording levels are set more than 0 dB for digital and -18 dB for analog recording.
- The factory settings are 0 dB for digital and -18 dB for analog recording.
- The recording level will not remain for next time. Please check the rec level before start recording.
- Finalized CD-RW discs play only on CD-RW compatible CD players.
- Never turn the power off and avoid physical shock while recording. This may cause to make damaged disc.

SYNCHRONIZED RECORDING (CD-SYNC)

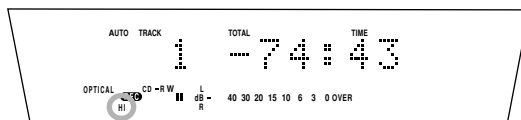
The CD-SYNC feature enables you to make fast and easy recordings of a CD in the system connection. Track increments are automatically detected from the source material. Never use this function when the MD deck MD110 is recording manually with CD player CD110. This may lead to recording error. This function is unavailable then the CD player CD110 and MD deck MD110 have been using this function.

1. Make sure the disc is absolutely free of scratches and dust particles.
2. Connect the cable as the system connection. (see CONNECTIONS page 5 and 6.)
3. Press **SOURCE** button [7] repeatedly until the selected source appears on the display (depending on the connection used):



- "OPTICAL", "COAXIAL" or "ANALOG" lights up.

4. Press the **DUBB** button [20] once or twice to enter the record standby mode.
 - When the **DUBB** button [20] is pressed twice, the double speed recording is set and "HI" lights up.

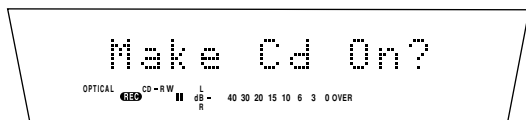


In this time, DR110 records double speed and Marantz CD player CD110 plays double speed.

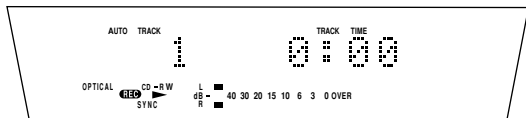
To cancel double speed recording, press the **DUBB** button [20] again.

- "OPTICAL", "COAXIAL" or "ANALOG" lights up.
- "REC" and "II" light up.

5. Turn and press the **MULTI JOG** [13] to select the finalizing mode.



- When select "Make Cd On?", DR110 will start finalizing after stopping the source.
 - When select "Make Cd Off?", CD-R(W) disc is need to finalizing to play other CD player or CD-RW compatible CD player.
6. To start recording, start the source.



- DR110 automatically starts to record. The track number and recording time are display.
 - The track number and recording time are display.
 - DR110 will stop automatically when the source stops or the silent part of source continues 20 seconds or more.
 - To check the elapsed recording time, press the **DISPLAY** button [8] / [2].
7. To stop recording, press the ■ button [2] / [13].
- If the ■ button [2] / [13] was pressed within 3 seconds after pressing the ►/|| button [3] or || button [16], no recording will take place.
 - To interrupt recording, press ►/|| button [3] or || button [16].

Important:

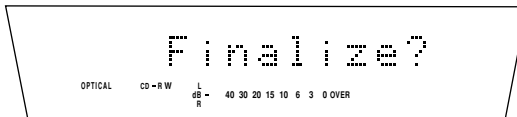
- If you want to play the recorded CDR disc on any regular CD player, it must first be finalized. (See FINALIZING/ UNFINALIZING page 10.)
- Sound might be distorted when the recording levels are set more than 0 dB for digital and -18 dB for analog recording.
- The factory settings are 0 dB for digital and -18 dB for analog recording.
- Finalized CD-RW discs play only on CD-RW compatible CD players.
- Never turn the power off and avoid physical shock while recording. This may cause to make damaged disc.

FINALIZING CD-R & CD-RW DISCS

Finalizing is a simple procedure, necessary to:

- be able to play the recorded CD-R disc on a CD PLAYER.
- avoid further unwanted recordings on a disc.
- avoid erasure of tracks on a CD-RW.

1. Make sure the disc (in the CD-Recorder) is absolutely free of scratches and dust particles.
2. With the recorder stopped press the **FINALIZE** button [18].



- The display shows "Finalize?"
 - If you cancel finalizing, press the ■ button [2].
3. Press the **MULTI JOG** [13] to start finalizing.
 - The display shows "Finalizing."
 - On completion, the total number of tracks and the total time recorded appears on the display.
 - Finalizing will take at least 2 - 4 minutes.
 - During finalization, the CD-Recorder accepts no operating commands.

Important:

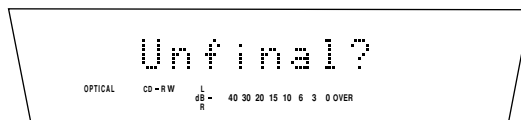
- Never turn the power off and avoid physical shock while finalizing. This may cause to make damaged disc.

UNFINALIZING CD-RW DISCS

For CD-RW discs only.

If you want to make more recordings (or erasures of tracks) on a finalized disc you must unfinalize it first. The Table of Contents (TOC) and text informations will be erased.

1. With the CD-Recorder stopped, press the **MENU** button [16].
 - The display shows "Pma Skip?"
2. Turn the **MULTI JOG** [13] until "Unfinal?" is displayed.



3. Press the **MULTI JOG** [13] to start unfinalizing.
 - The display shows "Unfinalizing."

Note:

- Unfinalizing will take approximately 1.5 minutes.

Important:

- Never turn the power off and avoid physical shock while unfinalizing. This may cause to make damaged disc.

ERASING

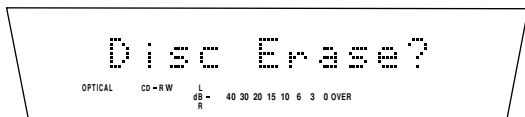
For unfinalized CD-RW discs only.

You can erase:

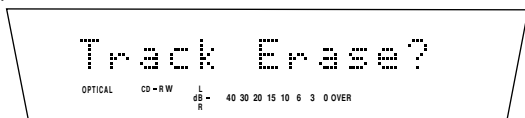
- end track or more tracks from the end.
- the entire disc.

ERASING END TRACK OR MORE TRACKS FROM THE END

1. Press the **ERASE** button **[19]**.
 - The display shows "Disc Erase?".



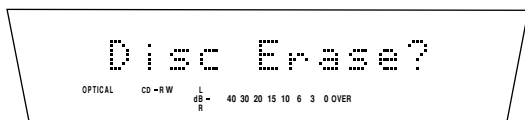
2. Turn the **MULTI JOG** **[13]** to select "Track Erase?", and press the **MULTI JOG** **[13]**.



3. Turn the **MULTI JOG** **[13]** to select the track(s) to be erased.
 - The display shows the erasing start and end track number.
4. Press the **MULTI JOG** **[13]**.
 - The display shows "Track Erasing."
 - If you try to erase finalized disc, the track(s) are not erased and display returns original in this step.
 - If you cancel erasing, press the **■** button **[2]**.
 - After the selected track(s) have erased, the display shows the remaining tracks and their total playing time.

ERASING THE ENTIRE DISC

1. Press the **ERASE** button **[19]**.

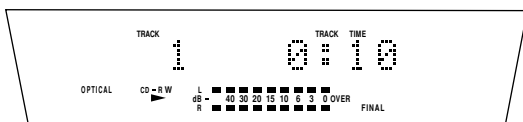


- The display shows "Disc Erase?".
 - When the disc has been finalized, the display shows "Unfinalize?". If you wish to unfinalize the disc, press the **MULTI JOG** **[13]**.
2. Press the **MULTI JOG** **[13]**.
 - The display shows "Disc Erasing."
 - After erasing, the display shows "Blank Disc".

PLAYING

DR110 is able to play a CD, CD-R or CD-RW disc.
Press the **CDR** button ⑨ before using the remote control.

1. Press the **▶/||** button ③ or the **▶** button ⑩ to start the play.

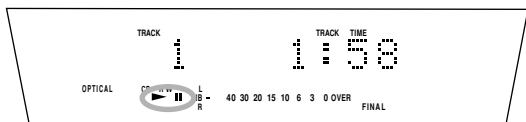


- The track number and track time of the track in play appear on the display.
- Press **DISPLAY** button ⑧ / ② once, twice or three times to see the remaining track time, total remaining time and present time.

Note:

A present time cannot be displayed if Marantz receiver SR110 is connected through the REMOTE CONTROL bus and set the system switch to **EXT** (System connection activates),

2. Press the **▶/||** button ③ or the **||** button ⑯ to interrupt play temporarily.
 - "||" light up on the display.

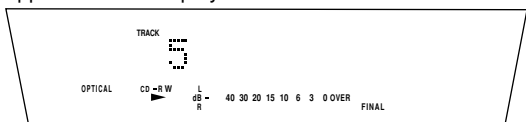


3. To continue play, press the **▶/||** button ③ or the **||** button ⑯ again.
4. To stop play, press the **■** button ② / ⑬.
 - The number of tracks and the total playing time appear on the display.

SELECTING A TRACK

ON THE DR110

1. Turn the **MULTI JOG** ⑬ until the required track number appears on the display.



- The selected track plays automatically.

ON THE REMOTE CONTROL-1

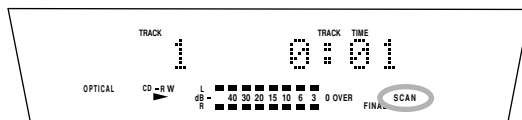
1. Press the **NUMERICAL** buttons ⑤.
 - For 2-digit track numbers, press the keys in rapid succession.

ON THE REMOTE CONTROL-2

1. Press the **▶▶|** button ⑪ or the **◀◀|** button ⑫.
 - The selected track plays automatically.

SCAN PLAY

1. To start scan play, press the **AMS** button ③ on the remote control.



- It plays the first 10 seconds of each track.
- It automatically stops after playing all tracks.

2. To stop playing, press the **■** button ② / ⑬.

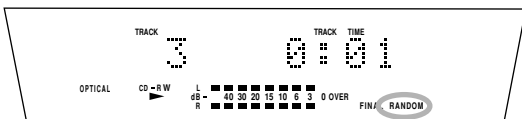
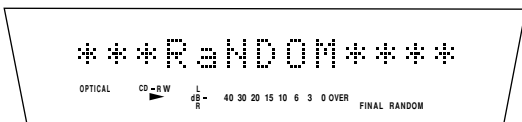
SEARCH

1. To start play, press the **▶/||** button ③ or **▶** button ⑩.
2. Hold down the **◀◀** button ⑪ / ⑮ or **▶▶** button ⑩ / ⑭.
3. Release the button at the desired passage.
 - Play starts at the desired passage.

RANDOM PLAY

- This function is unavailable for unfinalized disc.

1. Press the **RANDOM** button ⑦ before or during CD play to start play.



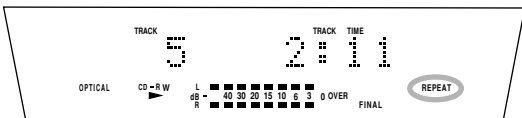
- The tracks on the CD play in random order.
2. Press the **RANDOM** button ⑦ again to stop play.

Note:

- The random play is cleared when you open the disc tray.
- The random play is unavailable in programme mode.
- The **RANDOM** button ⑦ button is only on the remote control.

REPEAT PLAY

1. Press the **REPEAT** button ⑥ one or twice during CD play.



- When "REPEAT" lights up, the current track plays repeatedly. When "REPEAT ALL" lights up, the all tracks or programmed tracks play repeatedly.
2. To return to normal play, press the **REPEAT** button ⑥ one or more times until the "REPEAT" label disappears from the display.


Note:

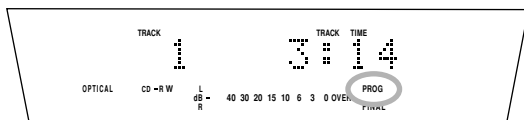
- Repeat is cleared if you open the disc tray.
- The **REPEAT** button ⑥ is only on the remote control.

PROGRAMMING



- You can program up to 30 tracks to play in any desired sequence.
- Tracks can be programmed more than once.
- This function is unavailable for unfinalized disc.

PROGRAMMING


1. Press the **PROG.** button  to enter Program mode.

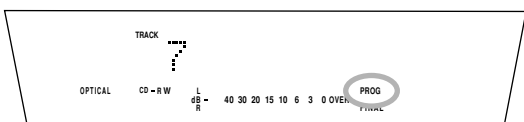


- "PROG" lights up.






2. Select the required track numbers by turning the **MULTI JOG**  left or right, and press the **PROG.** button  to decide.

or:




Key in a track number with the **NUMERICAL** keys . For 2-digit numbers, press the keys in rapid succession.



- The track will be stored in the program.
- The track number and total program time are displayed.

3. Repeat step 2 for all tracks to be programmed.
4. Press the **■** button  /  or the **PROG.** button  to end programming.
 - The display returns original and "PROG" lights continuously.
5. Press the **▶/||** button  or the **▶** button  to start programmed play.

CLEARING / ERASING A PROGRAM

1. Press the **■** button  /  if necessary to stop programmed play.
2. Press the **CANCEL/DELETE** button  to clear the programmed last track.
 - "PROG" disappears from the display.
 - The program is also cleared if you open the disc tray.

ADVANCED OPERATION

MENU MODE

MENU MODE can set up:

- Text setting adding erasing the CD text
- Recording setting ... Auto track increment ON/OFF, PMA setting, FS convert, Auto space, and default setting.

Note:

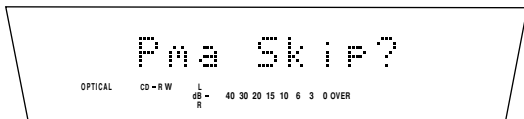
- You can cancel the Menu mode by pressing the **■** button [2].
- Text can only be edited for unfinalized discs. (finalized CD-RW discs must be unfinalized first)

TEXT SETTINGS

The TEXT sub-menus allows you to enter text information on the CD-R(W); for example the CD titles, the artist names, the track names and so on. During the playback, the TEXT will be appeared on the display.

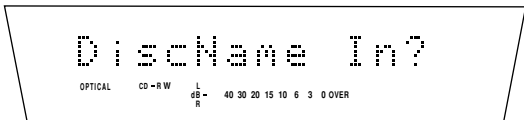
STORING THE NAME

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.



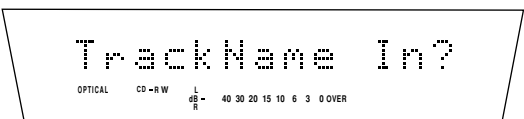
- "Pma Skip?" appears on the display.

3. Turn the **MULTI JOG** [13] to select the sub-menus.



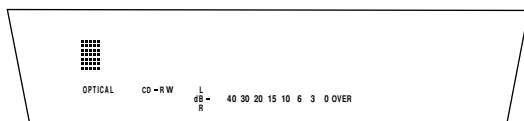
- When you wish to store the disc name, select "Disc Name In?".
- When you wish to store a track name, select "Tr Name In?".

4. Press the **MULTI JOG** [13] to decide the menu.



- When you select "TrackName In?", you have to select track number with the **MULTI JOG** [13] or the **◀▶** button [12]/ [11] and **ENTER** button [2].
- When you wish to store a lower-case latter or symbol, press the **MEMU** button [16] / [22] once or twice.

5. To decide the character to be stored,



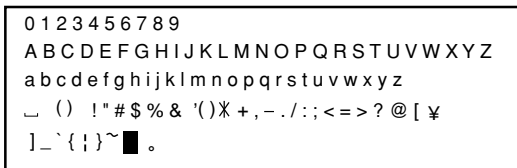
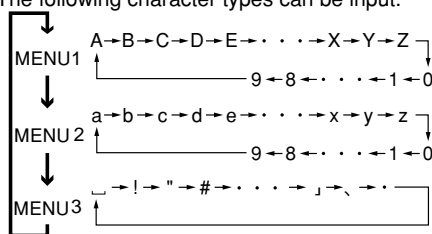
Turn and press the **MULTI JOG** [13].
or

Press the **◀▶** button [12]/ [11] and press the **ENTER** button [2].

or

Press the corresponding the **NUMERICAL** buttons [5] and press the **ENTER** button [2].

- The following character types can be input.



6. Press **■** button [2]/ [13] to store the name.
 - When you wish to store the name to other track, repeat the step 2 through 6.

Important:

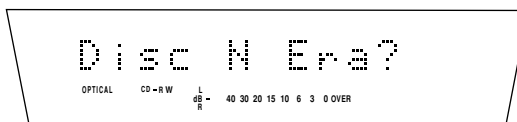
- If you pull the AC cord from the outlet or turn the power off, the all text of the unfinalizing disc are erased.
- If you open the tray until the disc is not finalized, the all text are erased.
- If you unfinalize the CD-RW disc, the all text are erased.

Note:

- A maximum of 20 characters can be stored per item.
- With the **◀▶** button [15]/ [14] you can move to a required cursor position.

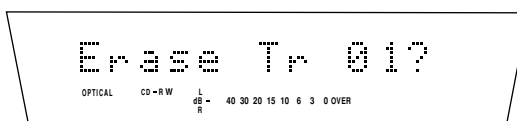
ERASING THE NAME

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.
 - "Pma Skip?" appears on the display.
3. Turn the **MULTI JOG** [13] to select the sub-menus.



- When you wish to erase the disc name, select "Disc N Era?".
- When you wish to erase a track name, select "Track N Era?".

4. Press the **MULTI JOG** [13] to decide the menu.
 - When you select "Track N Era?", you have to select track number with the **MULTI JOG** [13] or the **◀▶** button [12]/ [11].



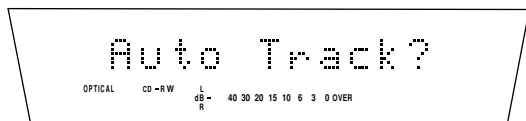
5. To erase the name, press the **MULTI JOG** [13] or **ENTER** button [2].
 - When you wish to erase the name to other track, repeat the steps 2 through 5.

RECORDING SETTINGS

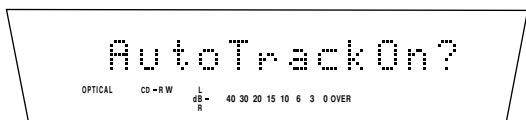
AUTO TRACK INCREMENT

When Auto Track is ON, track numbers will automatically be increase during the recording.

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.
 - "Pma Skip?" appears on the display.
3. Turn and press the **MULTI JOG** [13] to select "Auto Track?".



4. Turn and press the **MULTI JOG** [13] to select Auto track function and then the display turns original.



- When you select "Auto TrackOn?", Auto Track is available.
- When you select "Auto TrackOff?", Auto Track is unavailable. When you select this menu, DR110 will record one track even if a source has some tracks.

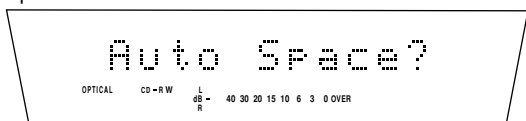
Note:

- "AUTO" lights up when recording.

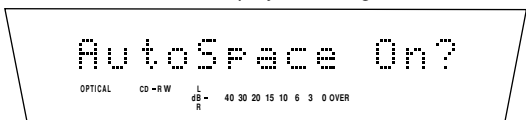
AUTO SPACE INSERT

When Auto Space is ON, a space is inserted between the recording start tracks.

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.
 - "Pma Skip?" appears on the display.
3. Turn and press the **MULTI JOG** [13] to select "Auto Space?".



4. Turn and press the **MULTI JOG** [13] to select Auto Space function and then the display turns original.



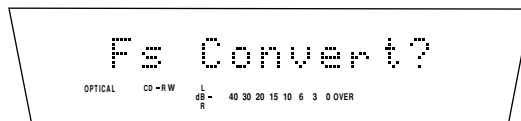
- When you select "Auto SpaceOn?", Auto Space is available.
- When you select "Auto SpaceOff?", Auto Space is unavailable. When you select this menu, DR110 will record original space of the source.

FS (Frequency Sampling) CONVERT

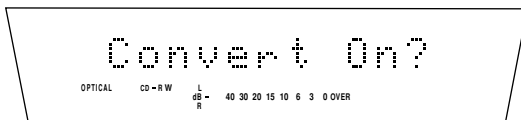
If the sampling frequency of digital source is other than 44.1 kHz, you can convert the sampling frequency to 44.1 kHz.

When the sampling frequency is 32k/48kHz, it is converted to 44.1 kHz. This function is independently of this setting.

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.
 - "Pma Skip?" appears on the display.
3. Turn and press the **MULTI JOG** [13] to select "Fs Convert?".



4. Turn and press the **MULTI JOG** [13] to select FS Convert function and then the display turns original.

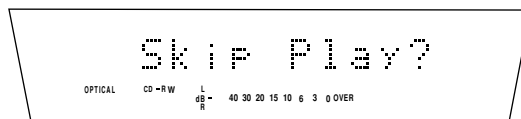


- When you select "Convert On?", FS Convert is available.
- When you select "Convert Off?", FS Convert is unavailable. When you select this menu, DR110 will record original sampling frequency of the source.

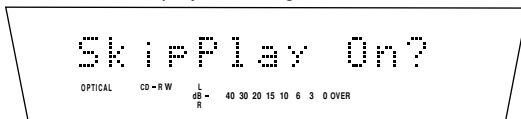
SKIP PLAY ON/OFF

The Skip play have to be turned on to skip the selected track(s) in PMA skip function.

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.
 - "Pma Skip?" appears on the display.
3. Turn and press the **MULTI JOG** [13] to select "Skip Play?".



4. Turn and press the **MULTI JOG** [13] to select ON or OFF, and then the display turns original.



- When you select "Skip Play On", the Skip play is available.
- When you select "Skip Play Off", the Skip play is unavailable.

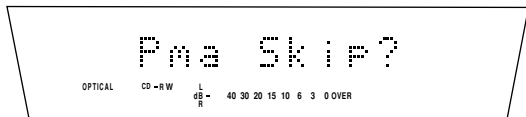
PMA (Program Management Area) SKIP

You can set the track to be skipped when playing. This function prevent to mistake playing.

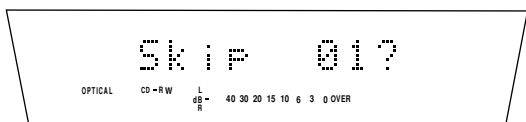
- This function is available for unfinalized disc.

Example: When you wish to skip third and fifth track in a disc. You select third and fifth track by using this function. Third and fifth track are skipped when the Skip play is turned on.

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.



- "Pma Skip?" appears on the display.
3. Press the **MULTI JOG** [13] to select "Pma Skip?".
 4. Turn and press the **MULTI JOG** [13] to set a skip track, and then the display turns original.



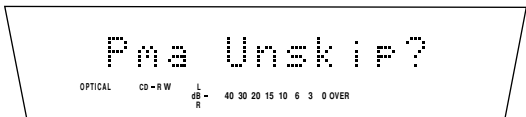
- When you set PMA skip track, you can skip the track which is selected.

PMA (Program Management Area) UNSKIP

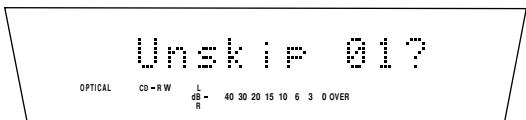
When the track is set PMA skip track, the track will be returned normal track to be played by using this function.

- This function is available for unfinalized disc.

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.
 - "Pma Skip?" appears on the display.
3. Turn and press the **MULTI JOG** [13] to select "Pma Unskip?".



4. Turn and press the **MULTI JOG** [13] to set an unskip track, and then the display turns original.

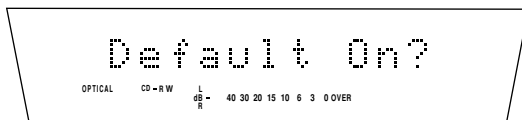


- When you set PMA unskip track, the track can be played again.

RETURN TO DEFAULT SETTING

You can return the setting of the Menu mode to default.

1. Press the **■** button [2] / [13].
2. Press the **MENU** button [16] to enter Menu mode.
 - "Pma Skip?" appears on the display.
3. Turn and press the **MULTI JOG** [13] to select "Default On?".



4. Press the **MULTI JOG** [13] to return the setting to default, and display turns original.

Note:

The settings of Menu mode are memorized even if the power is turned off.

PRESENT TIME SETTING

To operate the timer program, you must set the present time. The clock time can be set 12-hour or 24-hour system. The clock displays "0:00" at initial

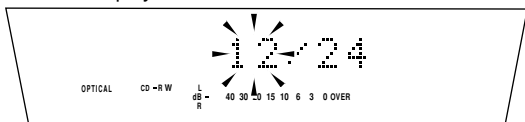
Important:

The timer is unavailable when the DR110 is connected as system.

The following shows as an example how to set the time as 2:30 PM.

Operation using the remote control

1. Press the **TIMER** button more than 3 seconds. "12/24" is displayed.

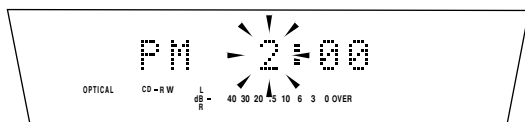


2. To select "12" with the button or **MULTI JOG** control .

When you select "24", the clock is set 24-hour system. The selected system blinks.

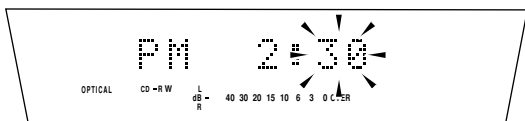
3. Press the button / to desired the system. The hour digit blinks.

4. Turn **MULTI JOG** control or press the button to set the digits displayed to the left of the colon to "PM 2:00" and press the button / .



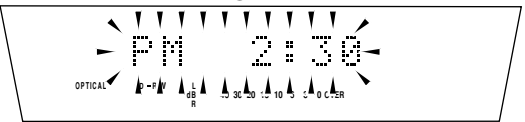
- The minute digit blinks.

5. Turn **MULTI JOG** control or press the button to set the digits displayed in the minutes to "30", and press the button / .



- The display blinks.

6. Press the button / to desired the clock.



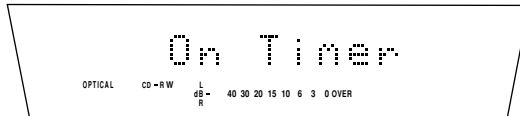
- The clock now starts.

PROGRAMME TIMER

The timer function is built into DR110 allows you to perform the following operations:

- **Setting of ON time and OFF time;**

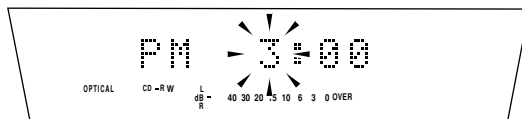
1. Press the **TIMER** button .



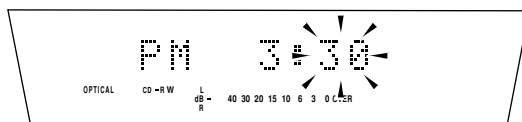
- "On Time" appears on the display and the timer section blinks.

2. **Set to the On time.**

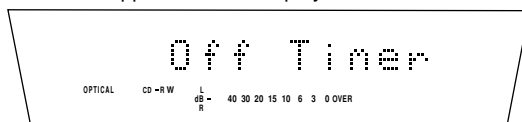
- 1 Turn the **MULTI JOG** control or press the button to adjust the hour for the On time and press the button / .



- 2 Turn the **MULTI JOG** control or press the button to adjust the minutes for the On time and press the button / .

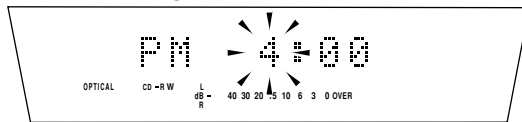


- "Off Time" appears on the display.

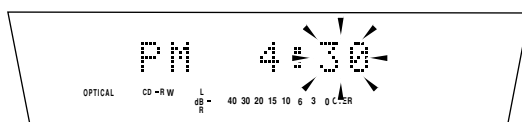


3. **Set to the Off time.**

- 1 Turn the **MULTI JOG** control or press the button to adjust the hour for the Off time and press the button / .



- 2 Turn the **MULTI JOG** control or press the button to adjust the minutes for the Off time and press the button / .




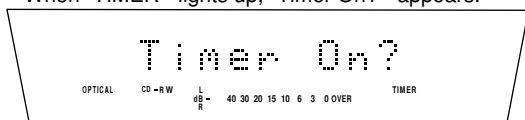
- Timer is set and "TIMER" lights up.

Note:

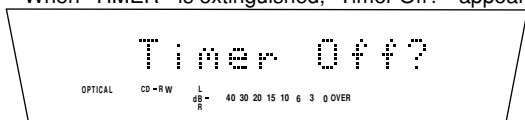
- The timer is available for play back.
- The power is turned on even if no disc is inserted when the timer is on.
- The timer is unavailable if Marantz receiver SR110 is connected through the REMOTE CONTROL bus and set the system switch to **EXT** (System connection activates).









SETTING/CANCELLING TIMER

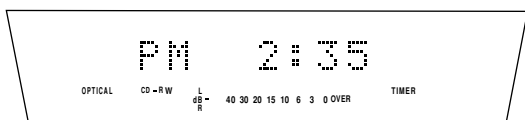
- Press the **TIMER** button  twice.
 - "Timer On?" or "Timer Off?" appears on the display.
 - When "TIMER" lights up, "Timer On?" appears.



- When "TIMER" is extinguished, "Timer Off?" appears.



- Turn the **MULTI JOG** control  or press the   button   to select "Timer On?" or "Timer Off?".
 - When you select "Timer On?", timer is available.
 - When you select "Timer Off?", timer is cancelled.
- Press the  button  / .



- Timer is set and "TIMER" lights up.

Important:

- The timer should be cancelled when Marantz receiver SR110 is connected through the REMOTE CONTROL bus and set the system switch to **EXT** (System connection activates).
- Timer play mode cannot activate when the no disc, error disc or blank disc is inserted in the selected source.


TROUBLE SHOOTING

If you think your CD-Recorder is defective, it is wise to read this list first. Maybe you forgot a simple step.

Warning!

Under no circumstances should you attempt to repair DR110 yourself as this will invalidate the guarantee.

No power

- ensure that the **STANDBY** button  is on
- ensure that the power cord is plugged in correctly
- ensure that the timer is set
- ensure that the System connection (the STANDBY switch is unavailable when the DR110 is connected as the system.)

Auto track does not work

- check if auto track is selected
- check if there are 2.7 seconds silence in between the tracks (analog recording only)
- check if the source is consumer source with the digital output according to IEC audio standard
- source is DVD disc (no track information)


No sound

- check the audio connections
- if using an amplifier, try using a different source

Play will not start

- ensure that the label of the CD is facing up
- clean the disc
- check that the disc is not defective by trying another disc

Remote control does not work

- point the remote control directly at DR110
- check the batteries and replace if necessary
- select the right source first
- check the control selector
- press the **CDR** button  and try to operate again

Will not record

- clean the disc
- check if CD-R(W) is an unfinalized disc
- check that the disc is recordable and replace if necessary
- the disc is not an audio disc
- wrong input source chosen

Recording is distorted

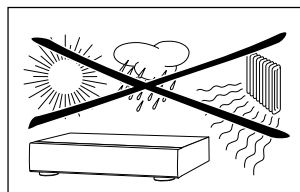
- make sure the recording level was not too high

MAINTENANCE

Clean the CD-Recorder with a soft, slightly dampened lint-free cloth. Do not use any cleaning agents as they may have a corrosive effect.



Do not expose the CD-Recorder, batteries or CDs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight).



If the CD-Recorder cannot read CDs correctly use a commonly available cleaning CD to clean the lens before taking the CD player to be repaired. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens.

The lenses may cloud over when the CD-Recorder is suddenly moved from cold to warm surroundings. It is not possible to play a CD then. Leave the CD-Recorder in a warm environment until the moisture evaporates.

TECHNICAL SPECIFICATIONS

GENERAL

System	Compact disc digital audio
Number of channels	2 (stereo)
Applicable discs	CD, CD-R (digital audio), CD-RW (digital audio)
Power Requirement	AC 230 V 50 Hz
Power Consumption	16W
Operating Temperature	5 - 35 °C

DIMENSION (MAX)

Width	210 mm
Height	71.5 mm
Depth	310 mm
Weight	3.8 Kg

AUDIO

Frequency Response	20 Hz - 20 kHz
Playback S/N	90 dB
Playback Dynamic Range	85 dB
Playback Total Harmonic Distortion	0.04 %
Recording S/N	90 dB
Recording Dynamic Range	85 dB
Recording Total Harmonic Distortion	0.04 %
Line Output Voltage	2 V RMS

RECORDING VALUES FOR LINE INPUT

Digital Coaxial Input (automatic sample rate conversion)	32 - 48 kHz
Digital Optical Input (automatic sample rate conversion)	32 - 48 kHz
Analog Input	250 mVrms/ 50 kW

ACCESSORIES

Remote Control Unit (RC110DRMD)	1
Dimensions (W X H X D)	50.5 X 54.5 X 25 mm
Weight	60 g
AA Type Batteries	2
Stereo Audio Cable	1 pair
Coaxial Cable	1
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, Algeria
ARMENIA	NGYIG Ltd.	47 A/75 St. Lalaïants, 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 Mohanra Lane Asadgonj, Chittagong 4000, Bangladesh
BELGIUM	Van der Heyden Audio N.V.	Brusselbaan 278, 9320 Erembodegem, Belgium
BULGARIA	Ariescommerce GmbH	Makedonia Blvd. 16, 1606 Sofia, Bulgaria
CANADA	Lenbrook Industries Limited	633 Granite Court, Pickering, Ontario
CHINA	Guang Chang Audio International Co., Ltd.	No.38 Yushan Road, ShiQiao, Pan Yu, Guang Dong, China
CYPRUS	Empire Hifi systems Ltd.	P.O. Box 5604, Nicosia, Cyprus
CZECH REPUBLIC	Audio International	Sokolska 41, 67902 Rajecsko, OKR,Blansko, Czech Republic
DENMARK	Audio Nord	Dali Allé 1, 9610 Noerager, Denmark
DUBAI	V.V.& SONS	P.O. Box 105, Dubai, U.A.E.
EGYPT	Solimco	9, El Attibaa St. Doki, Cairo, Egypt
ESTONIA	HiFi Club Estonia	Ehte 4, 90503 Haapsalu, Estonia
F.Y.R.O.M.	T.P. KODI	ul.Cedomir Kantargiev 21a, Skopje, Former Yugoslavian Republic of Macedonia
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.	Tereoz 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. 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	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	Société EDEVIG	40, Avenue du Golfe Arabe, El Menzah, 1004, Tunisia
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.
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