SVENSKA NEDERLANDS ESPAÑOL ITALIANO FRANÇAIS DEUTSCH ENGLISH

marantz®

CD Receiver

M-CR503

User Guide

❑ SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

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

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

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

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LUOKAN 1 LASERLAITE
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ADVARSEL: **USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLING.**

VAROITUS! **LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄMTTÖMÄLLE LASERSÄTEILYLLE.**

VARNING: **OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.**

ATTENZIONE: QUESTO APPARECCHIO E' DOTATO DI DISPOSITIVO OTTICO CON RAGGIO LASER.
L'USO IMPROPRIO DELL'APPARECCHIO PUO' CAUSARE PERICOLOSE ESPOSIZIONI A RADIAZIONI!

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings.
   Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION:
To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.
The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

VORSICHT:
Um dieses Gerät vollständig von der Stromversorgung abzutrennen, ziehen Sie bitte den Stecker aus der Wandsteckdose.
Der Netzstecker wird verwendet, um die Stromversorgung zum Gerät völlig zu unterbrechen; er muss für den Benutzer gut und einfach zu erreichen sein.

PRECAUTION:
Pour déconnecter complètement ce produit du courant secteur, débranchez la prise de la prise murale.
La prise secteur est utilisée pour couper complètement l'alimentation de l'appareil et l'utilisateur doit pouvoir y accéder facilement.

ATTENZIONE:
Per scollegare completamente questo prodotto dalla rete di alimentazione elettrica, scollegare la spina dalla relativa presa a muro.
La spina di rete viene utilizzata per interrompere completamente l'alimentazione all'unità e deve essere facilmente accessibile all'utente.

PRECAUCIÓN:
Para desconectar completamente este producto de la alimentación eléctrica, desconecte el enchufe del enchufe de la pared.
El enchufe de la alimentación eléctrica se utiliza para interrumpir por completo el suministro de alimentación eléctrica a la unidad y debe de encontrarse en un lugar al que el usuario tenga fácil acceso.

WAARSCHUWING:
Om de voeding van dit product volledig te onderbreken moet de stekker uit het stopcontact worden getrokken.
De netstekker wordt gebruikt om de stroomtoevoer naar het toestel volledig te onderbreken en moet voor de gebruiker gemakkelijk bereikbaar zijn.

FÖRSIKTIHETSMÅTT:
Koppla loss stickproppen från eluttaget för att helt skilja produkten från nätet.
Stickproppen används för att helt bryta strömförsörjningen till apparaten, och den måste vara lättillgänglig för användaren.

CAUTION:
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
THIS PRODUCT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

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❑ NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA ANGÅENDE ANVÄNDNINGEN

WARNINGS

- Avoid high temperatures. Allow for sufficient heat dispersion when installed in a rack.
- Handle the power cord carefully. Hold the plug when unplugging the cord.
- Keep the unit free from moisture, water, and dust.
- Unplug the power cord when not using the unit for long periods of time.
- Do not obstruct the ventilation holes.
- Do not let foreign objects into the unit.
- Do not let insecticides, benzene, and thinner come in contact with the unit.
- Never disassemble or modify the unit in any way.
- Ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths or curtains.
- Naked flame sources such as lighted candles should not be placed on the unit.
- Observe and follow local regulations regarding battery disposal.
- Do not expose the unit to dripping or splashing fluids.
- Do not place objects filled with liquids, such as vases, on the unit.
- Do not handle the mains cord with wet hands.
- When the switch is in the OFF position, the equipment is not completely switched off from MAINS.
- The equipment shall be installed near the power supply so that the power supply is easily accessible.

WARNHINWEISE

- Vermeiden Sie hohe Temperaturen. Beachten Sie, dass eine ausreichende Belüftung gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.
- Gehen Sie vorsichtig mit dem Netzkabel um. Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- Wenn das Gerät längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Decken Sie den Lüftungsbereich nicht ab.
- Lassen Sie keine fremden Gegenstände in das Gerät kommen.
- Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.
- Versuchen Sie niemals das Gerät auseinander zu nehmen oder zu verändern.
- Die Belüftung sollte auf keinen Fall durch das Abdecken der Belüftungsöffnungen durch Gegenstände wie beispielsweise Zeitungen, Tischtücher, Vorhänge o. Ä. behindert werden.
- Auf dem Gerät sollten keinerlei direkte Feuerquellen wie beispielsweise angezündete Kerzen aufgestellt werden.
- Bitte beachten Sie bei der Entsorgung der Batterien die örtlich geltenden Umweltbestimmungen.
- Das Gerät sollte keiner tropfenden oder spritzenden Flüssigkeit ausgesetzt werden.
- Auf dem Gerät sollten keine mit Flüssigkeit gefüllten Behälter wie beispielsweise Vasen aufgestellt werden.
- Das Netzkabel nicht mit feuchten oder nassen Händen anfassen.
- Wenn der Schalter ausgeschaltet ist (OFF-Position), ist das Gerät nicht vollständig vom Stromnetz (MAINS) abgetrennt.
- Das Gerät sollte in der Nähe einer Netzsteckdose aufgestellt werden, damit es leicht an das Stromnetz angeschlossen werden kann.

AVERTISSEMENTS

- Eviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon.
- Protéger l'appareil contre l'humidité, l'eau et la poussière.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Ne pas obstruer les trous d'aération.
- Ne pas laisser des objets étrangers dans l'appareil.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.
- Ne pas recouvrir les orifi ces de ventilation avec des objets tels que des journaux, nappes ou rideaux. Cela entraverait la ventilation.
- Ne jamais placer de flamme nue sur l'appareil, notamment des bougies allumées.
- Veillez à respecter les lois en vigueur lorsque vous jetez les piles usagées.
- L'appareil ne doit pas être exposé à l'eau ou à l'humidité.
- Ne pas poser d'objet contenant du liquide, par exemple un vase, sur l'appareil.
- Ne pas manipuler le cordon d'alimentation avec les mains mouillées.
- Lorsque l'interrupteur est sur la position OFF, l'appareil n'est pas complètement déconnecté du SECTEUR (MAINS).
- L'appareil sera installé près de la source d'alimentation, de sorte que cette dernière soit facilement accessible.

AVVERTENZE

- Evitate di esporre l'unità a temperature elevate. Assicuratevi che vi sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio.
- Manneggiate il cavo di alimentazione con attenzione. Tenete ferma la spina quando scollegate il cavo dalla presa.
- Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere.
- Scollegate il cavo di alimentazione quando prevedete di non utilizzare l'unità per un lungo periodo di tempo.
- Non coprite i fori di ventilazione.
- Non inserite corpi estranei all'interno dell'unità.
- Assicuratevi che l'unità non entri in contatto con insetticidi, benzolo o solventi.
- Non smontate né modificate l'unità in alcun modo.
- Le aperture di ventilazione non devono essere ostruite coprendole con oggetti, quali giornali, tovaglie, tende e così via.
- Non posizionate sull'unità fi amme libere, come ad esempio candele accese.
- Prestate attenzione agli aspetti legati alla tutela dell'ambiente nello smaltimento delle batterie.
- L'apparecchiatura non deve essere esposta a goccioli o spruzzi.
- Non posizionate sull'unità alcun oggetto contenente liquidi, come ad esempio i vasi.
- Non toccare il cavo di alimentazione con le mani bagnate.
- Quando l'interruttore è nella posizione OFF, l'apparecchiatura non è completamente scollegata da MAINS.
- L'apparecchio va installato in prossimità della fonte di alimentazione, in modo che quest'ultima sia facilmente accessibile.

ADVERTENCIAS

- Evite altas temperaturas. Permite la suficiente dispersión del calor cuando está instalado en la consola.
- Maneje el cordón de energía con cuidado. Sostenga el enchufe cuando desconecte el cordón de energía.
- Mantenga el equipo libre de humedad, agua y polvo.
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo.
- No obstruya los orificios de ventilación.
- No deje objetos extraños dentro del equipo.
- No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.
- Nunca desarme o modifique el equipo de ninguna manera.
- La ventilación no debe quedar obstruida por haberse cubierto las aperturas con objetos como periódicos, manteles o cortinas.
- No deberán colocarse sobre el aparato fuentes inflamables sin protección, como velas encendidas.
- A la hora de deshacerse de las pilas, respete la normativa para el cuidado del medio ambiente.
- No exponer el aparato al goteo o salpicaduras cuando se utilice.
- No colocar sobre el aparato objetos llenos de líquido, como jarros.
- No maneje el cable de alimentación con las manos mojadas.
- Cuando el interruptor está en la posición OFF, el equipo no está completamente desconectado de la alimentación MAINS.
- El equipo se instalará cerca de la fuente de alimentación de manera que resulte fácil acceder a ella.

WAARSCHUWINGEN

- Vermijd hoge temperaturen. Zorg er bij installatie in een audiorack voor, dat de door het toestel geproduceerde warmte goed kan worden afgevoerd.
- Hanteer het netsnoer voorzichtig. Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld.
- Laat geen vochtigheid, water of stof in het apparaat binnendringen.
- Neem altijd het netsnoer uit het stopkontakt wanneer het apparaat gedurende een lange periode niet wordt gebruikt.
- De ventilatieopeningen mogen niet worden beblokkeerd.
- Laat geen vreemde voorwerpen in dit apparaat vallen.
- Voorkom dat insecticiden, benzeen of verfverdunner met dit toestel in contact komen.
- Dit toestel mag niet gedemonteerd of aangepast worden.
- De ventilatie mag niet worden belemmerd door de ventilatieopeningen af te dekken met bijvoorbeeld kranten, een tafelkleed of gordijnen.
- Plaats geen open vlammen, bijvoorbeeld een brandende kaars, op het apparaat.
- Houd u steeds aan de milieuvoorschriften wanneer u gebruikte batterijen wegdoet.
- Stel het apparaat niet bloot aan druppels of spatten.
- Plaats geen voorwerpen gevuld met water, bijvoorbeeld een vaas, op het apparaat.
- Raak het netsnoer niet met natte handen aan.
- Als de schakelaar op OFF staat, is het apparaat niet volledig losgekoppeld van de netspanning (MAINS).
- De apparatuur wordt in de buurt van het stopcontact geïnstalleerd, zodat dit altijd gemakkelijk toegankelijk is.

VARNINGAR

- Undvik höga temperaturer. Se till att det finns möjlighet till god värmeavledning vid montering i ett rack.
- Hantera nätkabeln varsamt. Håll i kabeln när den kopplas från el-uttaget.
- Utsätt inte apparaten för fukt, vatten och damm.
- Koppla loss nätkabeln om apparaten inte kommer att användas i lång tid.
- Täpp inte till ventilationsöppningarna.
- Se till att främmande föremål inte tränger in i apparaten.
- Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hölje.
- Ta inte isär apparaten och försök inte bygga om den.
- Ventilationen bör inte förhindras genom att täcka för ventilationsöppningarna med föremål såsom tidningar, bordsdukar eller gardiner.
- Placera inte öppen eld, t.ex. tända ljus, på apparaten.
- Tänk på miljöaspekterna när du bortskaffar batterier.
- Apparaten får inte utsättas för vätska.
- Placera inte föremål fyllda med vätska, t.ex. vaser, på apparaten.
- Hantera inte nätsladden med våta händer.
- Även om strömbrytaren står i det avstängda läget OFF, så är utrustningen inte helt bortkopplad från det elektriska nätet (MAINS).
- Utrustningen ska vara installerad nära strömuttaget så att strömförsörjningen är lätt att tillgå.

- **DECLARATION OF CONFORMITY**

  We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:
  EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3.
  Following the provisions of Low Voltage Directive 2006/95/EC and EMC Directive 2004/108/EC, the EC regulation 1275/2008 and its frame work Directive 2009/125/EC for Energy-related Products (ErP).

- **ÜBEREINSTIMMUNGSERKLÄRUNG**

  Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht:
  EN60065, EN55013, EN55020, EN61000-3-2 und EN61000-3-3.
  Following the provisions of low voltage directive 2006/95/EC and EMC directive 2004/108/EC, the EC regulation 1275/2008 and its frame work directive 2009/125/EC for energy-related products (ErP).

- **DECLARATION DE CONFORMITE**

  Nous déclarons sous notre seule responsabilité que l'appareil, auquel se réfère cette déclaration, est conforme aux standards suivants:
  EN60065, EN55013, EN55020, EN61000-3-2 et EN61000-3-3.
  Selon la directive 2006/95/EC concernant la basse tension et la directive CEM 2004/108/EC, la réglementation européenne 1275/2008 et la directive 2009/125/EC établissant un cadre de travail applicable aux produits liés à l'énergie (ErP).

- **DICHIARAZIONE DI CONFORMITÀ**

  Dichiariamo con piena responsabilità che questo prodotto, al quale la nostra dichiarazione si riferisce, è conforme alle seguenti normative:
  EN60065, EN55013, EN55020, EN61000-3-2 e EN61000-3-3.
  Facendo seguito alle disposizioni della direttiva sul basso voltaggio 2006/95/EC alla direttiva EMC 2004/108/EC, alla norma EC 1275/2008 e alla relativa legge quadro 2009/125/EC in materia di prodotti alimentati ad energia (ErP).
  QUESTO PRODOTTO E' CONFORME
  AL D.M. 28/08/95 N. 548

- **DECLARACIÓN DE CONFORMIDAD**

  Declaramos bajo nuestra exclusiva responsabilidad que este producto al que hace referencia esta declaración, está conforme con los siguientes estándares:
  EN60065, EN55013, EN55020, EN61000-3-2 y EN61000-3-3.
  De acuerdo con la directiva sobre baja tensión 2006/95/CE y la directiva sobre CEM 2004/108/CE, la normativa CE 1275/2008 y su directiva marco 2009/125/EC para productos relacionados con la energía (ErP).

- **EENVORMIGHEIDSVERKLARING**

  Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit produkt, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen:
  EN60065, EN55013, EN55020, EN61000-3-2 en EN61000-3-3.
  Volgens de voorzieningen van lage spanningsrichtlijn 2006/95/EC en EMC-richtlijn 2004/108/EC, de EU-richtlijn 1275/2008 en de kaderrichtlijn 2009/125/EC voor energieverbruikende producten (ErP).

- **ÖVERENSSTÄMMELSESINTYG**

  Härmed intygas helt på eget ansvar att denna produkt, vilken detta intyg avser, uppfyller följande standarder:
  EN60065, EN55013, EN55020, EN61000-3-2 och EN61000-3-3.
  Uppfyller reglerna i lågspänningsdirektivet 2006/95/EC och EMC-direktivet 2004/108/EC, EU-förordningen 1275/2008 och ramverksdirektivet 2009/125/EC för energirelaterade produkter (ErP).

Marantz Europe
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Beemdstraat 11, 5653 MA Eindhoven,
The Netherlands

A NOTE ABOUT RECYCLING:
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.
When discarding the unit, comply with local rules or regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal.
This product and the supplied accessories, excluding the batteries, constitute the applicable product according to the WEEE directive.

HINWEIS ZUM RECYCLING:
Das Verpackungsmaterial dieses Produktes ist zum Recyceln geeignet und kann wieder verwendet werden. Bitte entsorgen Sie alle Materialien entsprechend der örtlichen Recycling-Vorschriften.
Beachten Sie bei der Entsorgung des Gerätes die örtlichen Vorschriften und Bestimmungen.
Die Batterien dürfen nicht in den Hausmüll geworfen oder verbrannt werden; bitte entsorgen Sie die Batterien gemäß der örtlichen Vorschriften.
Dieses Produkt und das im Lieferumfang enthaltene Zubehör (mit Ausnahme der Batterien!) entsprechen der WEEE-Direktive.

UNE REMARQUE CONCERNANT LE RECYCLAGE:
Les matériaux d'emballage de ce produit sont recyclables et peuvent être réutilisés. Veuillez disposer des matériaux conformément aux lois sur le recyclage en vigueur.
Lorsque vous mettez cet appareil au rebut, respectez les lois ou réglementations en vigueur.
Les piles ne doivent jamais être jetées ou incinérées, mais mises au rebut conformément aux lois en vigueur sur la mise au rebut des piles.
Ce produit et les accessoires inclus, à l'exception des piles, sont des produits conformes à la directive DEEE.

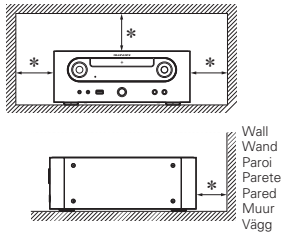
NOTA RELATIVA AL RICICLAGGIO:
I materiali di imballaggio di questo prodotto sono riutilizzabili e riciclabili. Smaltire i materiali conformemente alle normative locali sul riciclaggio.
Per lo smaltimento dell'unità, osservare le normative o le leggi locali in vigore.
Non gettare le batterie, né incenerirle, ma smaltirle conformemente alla normativa locale sui rifiuti chimici.
Questo prodotto e gli accessori inclusi nell'imballaggio sono applicabili alla direttiva RAEE, ad eccezione delle batterie.

ACERCA DEL RECICLAJE:
Los materiales de embalaje de este producto son reciclables y se pueden volver a utilizar. Disponga de estos materiales siguiendo los reglamentos de reciclaje de su localidad.
Cuando se deshaga de la unidad, cumpla con las reglas o reglamentos locales.
Las pilas nunca deberán tirarse ni incinerarse. Deberá disponer de ellas siguiendo los reglamentos de su localidad relacionados con los desperdicios químicos.
Este producto junto con los accesorios empaquetados es el producto aplicable a la directiva RAEE excepto pilas.

EEN AANTEKENING MET BETREKKING TOT DE RECYCLING:
Het inpakmateriaal van dit product is recycleerbaar en kan opnieuw gebruikt worden. Er wordt verzocht om zich van elk afvalmateriaal te ontdoen volgens de plaatselijke voorschriften.
Volg voor het wegdoen van de speler de voorschriften voor de verwijdering van wit- en bruingoed op.
Batterijen mogen nooit worden weggegooid of verbrand, maar moeten volgens de plaatselijke voorschriften betreffende chemisch afval worden verwijderd.
Op dit product en de meegeleverde accessoires, m.u.v. de batterijen is de richtlijn voor afgedankte elektrische en elektronische apparaten (WEEE) van toepassing.

OBSERVERA ANGÅENDE ÅTERVINNING:
Produktens emballage är återvinningsbart och kan återanvändas. Kassera det enligt lokala återvinningsbestämmelser.
När du kasserar enheten ska du göra det i överensstämmelse med lokala regler och bestämmelser.
Batterier får absolut inte kastas i soporna eller brännas. Kassera dem enligt lokala bestämmelser för kemiskt avfall.
Denna apparat och de tillbehör som levereras med den uppfyller gällande WEEE-direktiv, med undantag av batterierna.

❑ CAUTIONS ON INSTALLATION
VORSICHTSHINWEISE ZUR AUFSTELLUNG
PRÉCAUTIONS D'INSTALLATION
PRECAUZIONI SULL'INSTALLAZIONE
EMPLAZAMIENTO DE LA INSTALACIÓN
VOORZORGSMAATREGELEN BIJ DE INSTALLATIE
FÖRSIKTIGHET VID INSTALLATIONEN



*** For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.**
- More than 0.3 m is recommended.
- Do not place any other equipment on this unit.

*** Stellen Sie das Gerät nicht an einem geschlossenen Ort, wie in einem Bücherregal oder einer ähnlichen Einrichtung auf, da dies eine ausreichende Belüftung des Geräts behindern könnte.**
- Empfohlen wird über 0,3 m.
- Keine anderen Gegenstände auf das Gerät stellen.

*** Pour permettre la dissipation de chaleur requise, n'installez pas cette unité dans un espace confiné tel qu'une bibliothèque ou un endroit similaire.**
- Une distance de plus de 0,3 m est recommandée.
- Ne placez aucun matériel sur cet appareil.

*** Per una dispersione adeguata del calore, non installare questa apparecchiatura in uno spazio ristretto, come ad esempio una libreria o simili.**
- Si raccomanda una distanza superiore ai 0,3 m.
- Non posizionare alcun altro oggetto o dispositivo su questo dispositivo.

*** Para la dispersión del calor adecuadamente, no instale este equipo en un lugar confinado tal como una librería o unidad similar.**
- Se recomienda dejar más de 0,3 m alrededor.
- No coloque ningún otro equipo sobre la unidad.

*** Plaats dit toestel niet in een kleine afgesloten ruimte, zoals een boekenkast e.d., omdat anders de warmte niet op gepaste wijze kan worden afgevoerd.**
- Meer dan 0,3 m is aanbevolen.
- Plaats geen andere apparatuur op het toestel.

*** För att tillförsäkra god värmeavledning får utrustningen inte installeras i instängda utrymmen, som t.ex. en bokhylla eller liknande.**
- Mer än 0,3 m rekommenderas.
- Placera ingen annan utrustning ovanpå den här enheten.

ИНТЕГРИРОВАННЫЙ УСИЛИТЕЛЬ

Marantz M-CR503

(РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ)

АЯ 46

Вы приобрели устройство радиоприемное/проигрываюшее диски производства компании "D&M Холдингс Инк", Япония ("D & M Holdings Inc.", Japan). Модель M CR503 является CD ресивером и предназначена для приема радиовещания и проигрывания CD в домашних аудиосистемах. Это изделие широко известно в кругах истинных ценителей высококлассного звука. Качество и безопасность подтверждены множеством тестов, проведенных как зарубежными, так и российскими испытательными лабораториями.

Изготовитель в течение 3 лет (срок службы) после выпуска данного изделия обеспечивает наличие комплектующих в целях возможности проведения ремонта и технического обслуживания, по истечении которого эксплуатация и техническое обслуживание продолжается в соответствии с действующими нормативными документами. Изделие остается безопасным для жизни, здоровья человека и окружающей среды в течение всего срока эксплуатации. Гарантийный срок 1 год.

Информация о Российской сертификации

No сертификата соответствия	Орган по сертификации	Нормативные документы	Наименование сертифицированной продукции	Срок действия сертификата
РОСС JP.АЯ46.В13708	РОСТЕСТ МОСКВА	ГОСТ Р МЭК 60065 2005 ГОСТ 5651 89 ГОСТ 22505 97 ГОСТ Р 51515 99 ГОСТ Р 51317.3.2 2006 ГОСТ Р 51317.3.3 2008	Устройства радиоприемные (AV/CD ресиверы)	До 11.04.2013

Основные технические характеристики

См. в конце инструкции

ВНИМАНИЕ: Если Вы приобрели аудиоаппаратуру надлежащего качества, то, по Российским законам, она не подлежит возврату или обмену на аналогичный товар других размера, формы и т.д.

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ENGLISH

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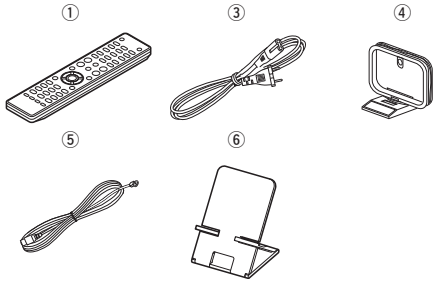
Getting started

Thank you for purchasing this Marantz product. To ensure proper operation, please read this user guide carefully before using the product.
After reading the guide, be sure to keep it for future reference.

Accessories

Check that the following parts are supplied with the product.

① Remote control 1
② R03/AAA batteries 2
③ AC Power cord (Cord length: Approx. 2 m) 1
④ AM loop antenna 1
⑤ FM indoor antenna 1
⑥ iPod stand 1
⑦ User guide 1



Main features

Incorporates 4 high-quality digital audio amplifiers.

Incorporates a Bi-amp system to realize full performance of the Bi-wiring speaker system.

Allows switching between Speakers A and B and simultaneous playback on Speakers A and B.

Allows playback of iPod, iPhone and MP3/WMA audio sources through use of the USB port on the front panel.

Equipped with screw-in speaker terminals for secure connections.

Stylish design that hides rear panel connection terminals from view from above.

Provides 3.5 mm diameter external input jacks on the front panel for easy connection to a digital audio player.

M-XPort (Marantz-eXtension Port).
The unit has the M-XPort, a Marantz original innovation, which boats excellent expandability.

Cautions on handling

- **Before turning the power switch on**
  Check once again that all connections are correct and that there are no problems with the connection cables.
- Power is supplied to some of the circuitry even when the unit is set to the standby mode. When going on vacation or leaving home for long periods of time, be sure to unplug the power cord from the power outlet.
- **Proper ventilation**
  If the unit is left in a room full of smoke from cigarettes, etc., for long periods of time, the surface of the optical pickup may get dirty, preventing it from receiving signals properly.
- **About condensation**
  If there is a major difference in temperature between the inside of the unit and its surroundings, condensation may form on parts inside the unit, causing it to fail to operate properly.
  If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.
- **Cautions on using mobile phones**
  Using a mobile phone near this unit may result in noise. If that occurs, move the mobile phone away from the unit when it is in use.
- **Moving the unit**
  Turn off the power and unplug the power cord from the power outlet. Next, disconnect the cables connected to other system units before moving the unit.

About this guide

❑ Operation buttons

The operations described in this guide are based mainly on remote control operation.

❑ Symbols

☞ This symbol indicates a reference page on which related information is described.

This symbol indicates a supplementary information and tips for operations.

NOTE This symbol indicates points to remember operations or function limitations.

❑ Illustrations

Note that the illustrations in these instructions may differ from the actual unit for explanation purposes.

Discs

Discs playable on this unit

❶ **Music CDs**
Discs marked with the logo below can be played in this unit.

❷ **CD-R/CD-RW**

NOTE

- Discs in special shapes (heart-shaped discs, octagonal discs, etc.) cannot be played. Do not attempt to play them, as doing so can damage the unit.
- Some discs and some recording formats cannot be played.
- Non-finalized discs cannot be played.
- What is finalization?
  Finalization is the process that makes recorded CD-R/CD-RW discs playable on compatible players.

Holding discs

Do not touch the signal surface.

Loading discs

- Place the disc in the tray, label side up.
- Make sure the disc tray is fully open when inserting the disc.
- Place the discs flat, 12 cm discs in the outer tray guide (Figure 1), 8 cm discs in the inner tray guide (Figure 2).

Figure 1

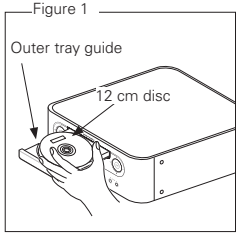
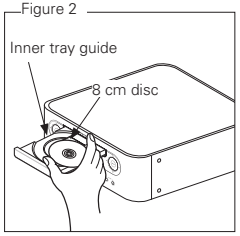


Figure 2



- Place 8 cm discs in the inner tray guide without using an adapter.

- "00 Tr 00 : 00" is displayed if a disc that cannot be played is loaded.
- "NO DISC" is displayed if the disc is loaded upside-down or if no disc is loaded.

NOTE

Do not push the disc tray in by hand when the power is turned off. Doing so could damage the set.

Cautions on loading discs

- Only load one disc at a time. Loading two or more discs can damage the unit or scratch the discs.
- Do not use cracked or warped discs or discs that have been repaired with adhesive, etc.
- Do not use discs on which the sticky part of cellophane tape or labels is exposed or on which there are traces of where labels have been removed. Such discs can get caught inside the player and damage it.

Cautions on handling

- Do not get fingerprints, oil or dirt on discs.
- Take special care not to scratch discs when removing them from their cases.
- Do not bend or heat discs.
- Do not enlarge the hole in the center.
- Do not write on the labeled (printed) surface with ball-point pens, pencils, etc., or stick new labels on discs.
- Water droplets may form on discs if they are moved suddenly from a cold place (outdoors for example) to a warm place, but do not try to dry them off using a hairdryer, etc.

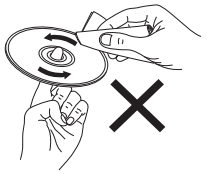
Cautions on storing discs

- Be sure to remove discs after using them.
- Be sure to store discs in their cases to protect them from dust, scratches, warping, etc.
- Do not store discs in the following places:
  1. Places exposed to direct sunlight for long periods of time
  2. Dusty or humid places
  3. Places exposed to heat from heaters, etc.

Cleaning discs

- If there are fingerprints or dirt on a disc, wipe them off before using the disc. Fingerprints and dirt can impair sound quality and cause interruptions in playback.
- Use a commercially available disc cleaning set or a soft cloth to clean discs.

Gently wipe the disc from the inside towards the outside.



Do not wipe in a circular motion.

NOTE

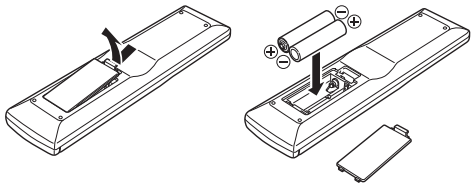
Do not use record spray, antistatic agents, benzene, thinner or other solvents.

About the remote control

Inserting the batteries

① Remove the rear cover of the remote control.

② Set two R03/AAA batteries in the battery compartment in the indicated direction.



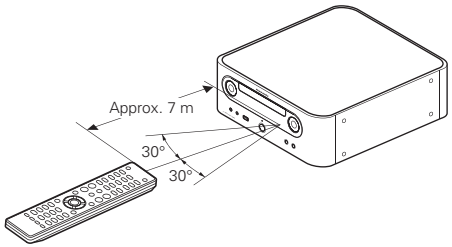
③ Put the rear cover back on.

NOTE

- Insert the specified batteries in the remote control unit.
- Replace the batteries with new ones if the set does not operate even when the remote control unit is operated close to the unit. (The supplied batteries are only for verifying operation.)
- When inserting the batteries, be sure to do so in the proper direction, following the ⊕ and ⊖ marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
  - Do not use a new battery together with an old one.
  - Do not use two different types of batteries.
  - Do not attempt to charge dry batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
  - Do not keep the battery in a place exposed to direct sunlight or in places with extremely high temperatures, such as near a heater.
- If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
- Remove the batteries from the remote control unit if it will not be in use for long periods.
- Used batteries should be disposed of in accordance with the local regulations regarding battery disposal.

Operating range of the remote control

Operate the remote control while pointing it at the remote sensor.



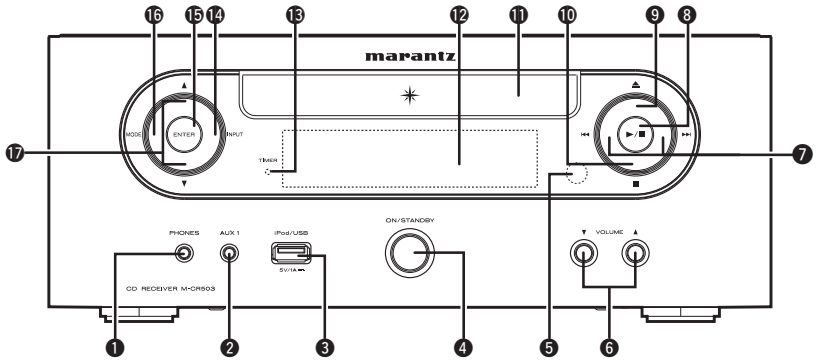
NOTE

The set may function improperly or the remote control may not operate if the remote control sensor is exposed in direct sunlight or strong artificial light such as a fluorescent or infrared light.

Part names and functions

For buttons not explained here, see the page indicated in parentheses ( ).

Front panel



❶ **Headphones jack (PHONES)** ····· (14)
Used to connect headphones.

❷ **AUX1 input jack** ····· (24)
Used to connect portable audio devices.

❸ **USB port (iPod/USB)** ····· (20)
Used to connect USB devices.

❹ **Power operation button (ON/STANDBY)** ····· (12)

❺ **Remote control sensor** ····· (4)

❻ **Volume up/down button (VOLUME ▲▼)** ····· (13)
Adjusts the audio volume.

❼ **Reverse-skip/Forward-skip buttons (I◄◄, ►►I)**
- **TUNER mode**
Selects the previous/next preset channel.
- **DISC, iPod/USB mode**
Selects the previous/next track.

❽ **Play/Pause button (►/II)** ····· (14, 25)

❾ **Disc tray open/close button (⏏)** ····· (12)
Used to open/close the disc tray.

❿ **Stop button (■)** ····· (14, 25)

⓫ **Disc tray** ····· (3)
Tray used to insert a compact disc.

⓬ **Display** ····· (6)
Displays play status, settings, etc.

⓭ **TIMER indicator** ····· (27)

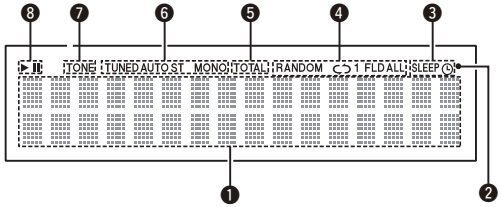
⓮ **INPUT button** ····· (13)
Selects the input source.

⓯ **ENTER button** ····· (13)
Used to confirm an item.
- **TUNER mode** ····· (17)
Used to register a broadcast station.

⓰ **MODE button**
- **SET UP mode** ····· (13)
Calls up the SETUP menu when pressed continuously.
- **TUNER mode** ····· (16)
Used to select reception band.

⓱ **△/▽ buttons**
- **SET UP mode** ····· (13)
Used to select the item to be set.
- **TUNER mode** ····· (16)
Used when switching frequencies.
- **DISC, iPod/USB mode** ····· (22, 25)
Used to select folder.

Display



❶ Information display
Various information is displayed here.

❷ Remote control signal reception indicator

❸ Timer operation indicator

❹ Play mode indicator ····· (15, 23, 25)

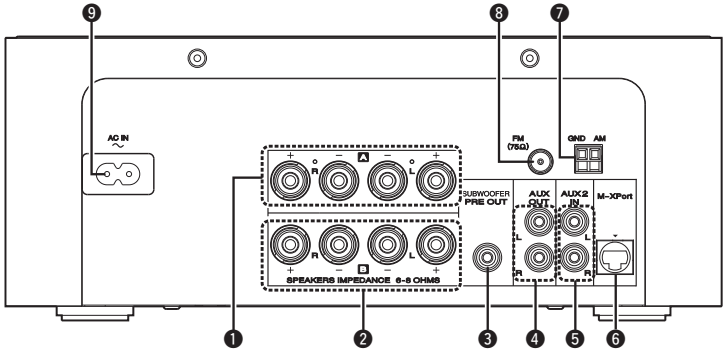
❺ TOTAL indicator
Lights when the total number of tracks and total time of the CD are displayed.

❻ Tuner reception mode indicators ····· (16)

❼ Tone indicators ····· (13)
Lights when the tone (bass/treble) is being adjusted.

❽ Playback mode indicators
►: During Playback
❚❚: During pause

Rear panel



❶ Speaker A output terminals ····· (9)
Connect to the speakers.

❷ Speaker B output terminals ····· (28)
Connect to the speakers.

❸ SUBWOOFER PRE OUT terminal ····· (9)
Connect to the input terminal of a powered subwoofer.

❹ AUX OUT terminals ····· (10)
Connect to an external pre-main amplifier.

❺ AUX2 IN terminals ····· (10)
Connect to an IS301 wireless dock for iPod from Marantz or CD player.

❻ M-XPort ····· (19)
Connect to RX101 wireless receiver.

❼ AM antenna terminal ····· (10)
Connect to the supplied AM antenna.

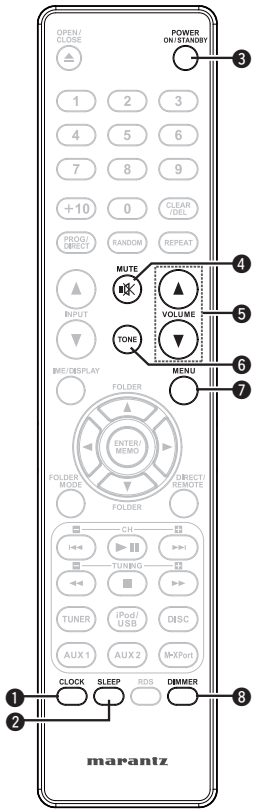
❽ FM antenna terminal ····· (10)
Connect the supplied FM antenna. Connect to an external antenna if reception is poor.

❾ AC inlet (AC IN) ····· (11)
Connect the supplied AC power cord.

Remote control

This section explains the buttons used to playback each input source.

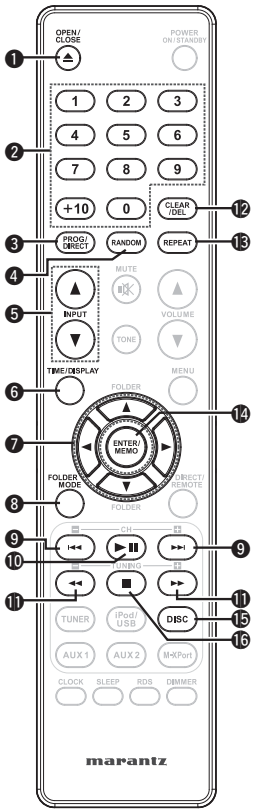
❑ Buttons that work with all input sources (CD, TUNER, iPod and USB)



❶ **CLOCK button** ..... (13)
❷ **SLEEP button** ..... (27)
❸ **POWER ON/STANDBY button** ..... (12, 13, 21)
❹ **MUTE button** ..... (14)
❺ **Master volume control buttons (VOLUME)** ..... (13)
❻ **TONE button** ..... (13)
❼ **MENU button** ..... (13, 16, 26)
❽ **DIMMER button** ..... (14)

❑ Buttons that work with CDs

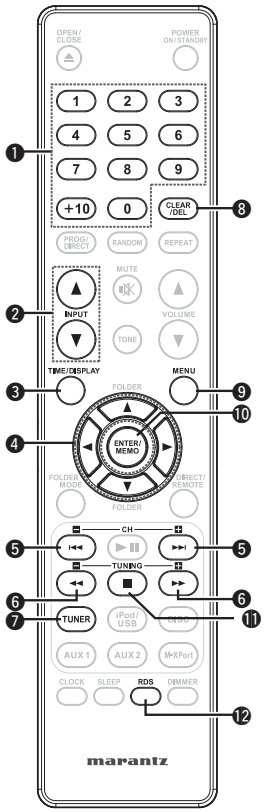
The buttons listed at "Buttons that work with all input sources" can also be used.



❶ **OPEN/CLOSE button (⏏)** ..... (12)
❷ **Number buttons** ..... (14)
❸ **PROG/DIRECT button** ..... (15)
❹ **RANDOM button** ..... (15)
❺ **INPUT buttons (▲▼)** ..... (13)
❻ **TIME/DISPLAY button** ..... (15)
❼ **Cursor buttons (△▽◁ ▷)** ..... (22)
❽ **FOLDER MODE button** ..... (22)
❾ **Reverse-skip/Forward-skip buttons (I◄◄, ►►I)** ..... (14)
❿ **Play/Pause button (►/II)** ..... (12, 14)
⓫ **Fast-reverse/Fast-forward buttons (◄◄, ►►)** ..... (14)
⓬ **CLEAR/DEL button** ..... (15)
⓭ **REPEAT button** ..... (15)
⓮ **ENTER/Memory button (ENTER/MEMO)** ..... (22)
⓯ **DISC button** ..... (30)
⓰ **Stop button (■)** ..... (14)

❑ Buttons that work with the tuner

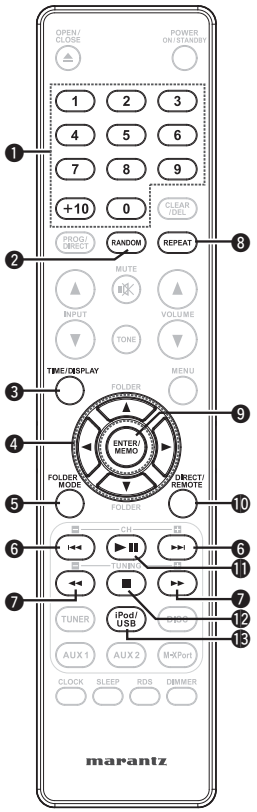
The buttons listed at "Buttons that work with all input sources" can also be used.



❶ **Number buttons** ..... (17)
❷ **INPUT buttons (▲▼)** ..... (16)
❸ **TIME/DISPLAY button** ..... (17)
❹ **Cursor buttons (△▽◁ ▷)** ..... (16 – 18)
❺ **Channel buttons (CH +, CH –)** ..... (17)
❻ **TUNING buttons (+, –)** ..... (16)
❼ **TUNER button** ..... (16, 30)
❽ **CLEAR/DEL button** ..... (17)
❾ **MENU button** ..... (16, 19)
❿ **ENTER/Memory button (ENTER/MEMO)** ..... (16 – 19)
⓫ **Stop button (■)** ..... (16)
⓬ **RDS button** ..... (17, 18)

❑ Buttons that work with iPods or USBs

The buttons listed at "Buttons that work with all input sources" can also be used.



❶ **Number buttons** ..... (25)
❷ **RANDOM button** ..... (23, 25)
❸ **TIME/DISPLAY button** ..... (24)
❹ **Cursor buttons (△▽◁ ▷)** ..... (23, 25)
❺ **FOLDER MODE button** ..... (25)
❻ **Reverse-skip/Forward-skip buttons (I◄◄, ►►I)** ..... (23, 25)
❼ **Fast-reverse/Fast-forward buttons (◄◄, ►►)** ..... (23, 25)
❽ **REPEAT button** ..... (23, 25)
❾ **ENTER/Memory button (ENTER/MEMO)** ..... (23, 25)
❿ **DIRECT/REMOTE button** ..... (23)
⓫ **Play/Pause button (►/❚❚)** ..... (23, 25)
⓬ **Stop button (■)** ..... (25)
⓭ **iPod/USB button** ..... (30)

Basic connections

This section explains how to connect speakers, recording equipment, and antennas.
For other connections, see the sections below.

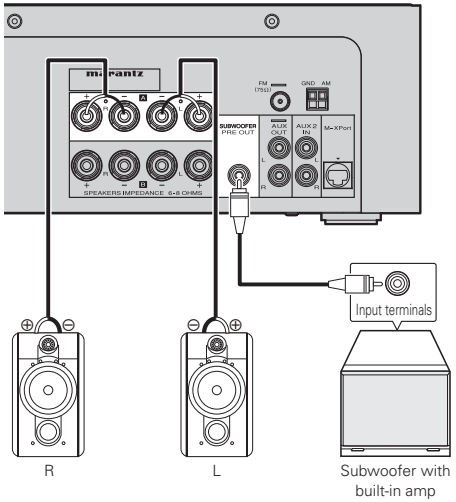
- ❑ **The wireless receiver connection** (☞page 19)
- ❑ **USB memory device connection** (☞page 20)
- ❑ **iPod connection** (☞page 20)

NOTE

- Do not plug in the power cord until all connections have been completed.
- When making connections, also refer to the user guide of the other components.
- Be sure to connect the left and right channels properly (left with left, right with right).
- Do not bundle power supply cords together with connection cables. Doing so can result in humming or noise.

Speaker connections

Audio cable (sold separately)		
Pin-plug cable	(Black)	
Speaker cable	+	+
	–	–



Set the speaker output for the unit to match the speaker connections made to terminals A and B (☞page 28 "Setting the speakers"). The default setting is SPEAKER A.

NOTE

Be sure to lower the audio volume before making speaker settings.

Connecting the speaker cables

Carefully check the left (L) and right (R) channels and + (red) and – (black) polarities on the speakers being connected to the unit, and be sure to connect the channels and polarities correctly.

1 **Peel off about 10 mm of sheathing from the tip of the speaker cable, then either twist the core wire tightly or apply solder to it.**

2 **Turn the speaker terminal counterclockwise to loosen it.**

3 **Insert the speaker cable's core wire to all the way into the speaker terminal.**

4 **Turn the speaker terminal clockwise to tighten it.**

NOTE

- Use speakers with an impedance of 6 to 8 Ω. The protection circuit may be activated if speakers with an impedance other than specified are used.
- Connect the speaker cables so they do not stick out of the speaker terminals. The protection circuit may be activated if the wires touch the rear panel or if the + and – sides touch each other (☞page 10 "Protection circuit").
- Never touch the speaker terminals while the power supply is connected. Doing so could result in electric shock.

Speaker connections

Protection circuit

The protection circuit is be activated in the following situations:

- If the speaker cable wire touches the rear panel or screws or if the speaker cable wire touches the speaker cable's + and – sides are touching
- If the surrounding temperature is extremely high
- If the inside of the amplifier gets hot to extended use at a high output

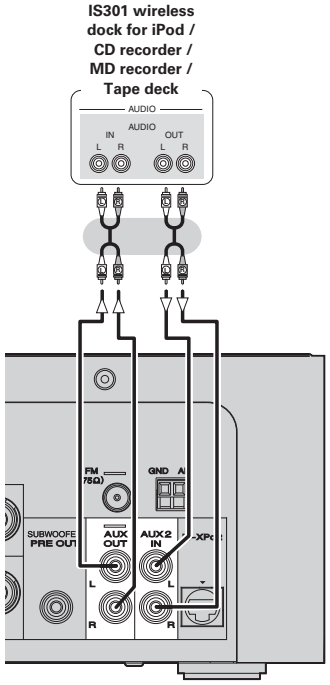
If this happens, unplug the power cord, then check the connections of the speaker cables and input cables. If the unit becomes very hot, wait for it to cool off and improve the ventilation around it. After doing this, plug the power cord back in.

If the protection circuit is activated even though there are no problems with the ventilation around the unit or in connections, the unit may be damaged. Turn off the power and then contact a Marantz service center.

Connecting components

Wireless dock for iPod / CD recorder / MD recorder

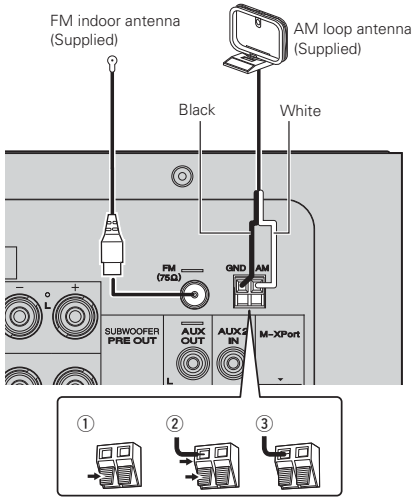
Audio cable (sold separately)		
Stereo pin-plug cable	(White)	
	(Red)	



Connecting an antenna

FM/AM

- Connect the FM antenna or AM loop antenna supplied with the unit to enjoy listening to radio broadcasts.
- After connecting the antenna and receiving a broadcast signal (☞page 16 "Tuning in Broadcast Stations"), fix the antenna with tape in a position where the noise level becomes minimal.



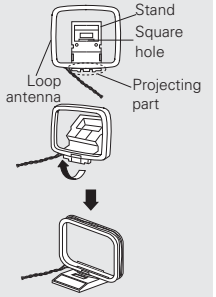
NOTE

- Do not connect two FM antennas simultaneously.
- Even if an external AM antenna is used, do not disconnect the AM loop antenna.
- Make sure the AM loop antenna lead terminals do not touch metal parts of the panel.
- If the signal has noise interference, connect the ground terminal (GND) to reduce noise.
- If you are unable to receive a good broadcast signal, we recommend installing an outdoor antenna. For details, inquire at the retail store where you purchased the unit.

❑ AM loop antenna assembly

1 **Put the stand section through the bottom of the loop antenna from the rear and bend it forward.**

2 **Insert the projecting part into the square hole in the stand.**



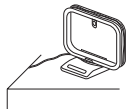
❑ Using the AM loop antenna

Suspending on a wall

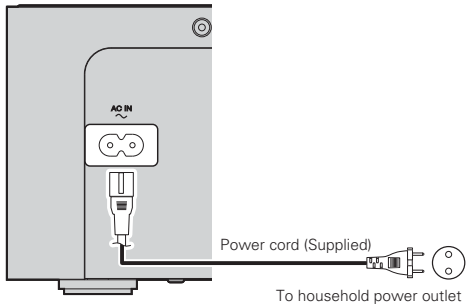
Suspend directly on a wall without assembling.

Standing alone

Use the procedure shown upper to assemble.



Connecting the power cord



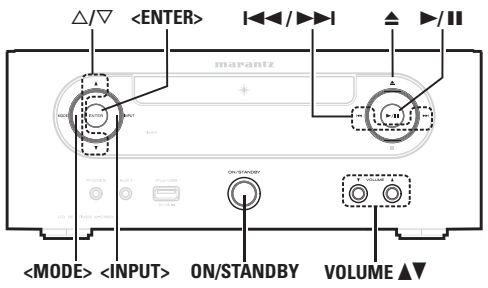
NOTE

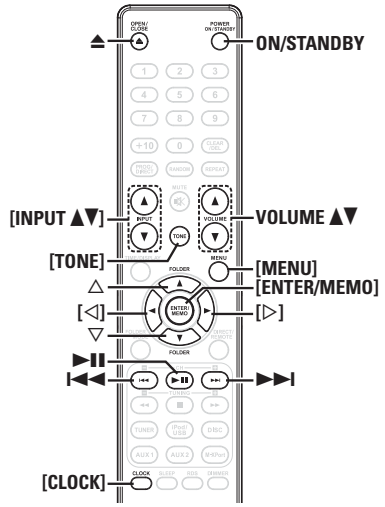
- Only use the supplied power cord.
- Be sure the power cord is unplugged from the power outlet before connecting or disconnecting it to the AC IN.

Basic operations

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





This section explains how to set the current time, and how to playback a CD or tuner.
For other operations, see the sections below.

- ❑ **MP3 and WMA files playback** (☞ page 21)
- ❑ **iPod® playback** (☞ page 23)
- ❑ **Portable audio player playback** (☞ page 24)
- ❑ **USB memory device playback** (☞ page 25)
- ❑ **Setting the timer** (☞ page 26)
- ❑ **Setting the speakers** (☞ page 28)

Preparations

Turning the power on

Press ON/STANDBY.
The power turns on. Press again to set the power to standby.

NOTE

- Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time, either press **ON/STANDBY** to turn off the power, or unplug the power cord from the power outlet.
- Be sure to stop playback before turning the power off.

❑ Completely turning off the power

Unplug the power cord from the wall outlet.
- Note that the time setting is cleared when the power cord is unplugged from the outlet.
- The settings made for the various functions may be cleared if the power cord is left unplugged from a power outlet for an extended period of time.

Before playing a disc

1 **Press ON/STANDBY.**

2 **Press [INPUT ▲▼] or <INPUT> to set the input source to "DISC".**
If no disc is loaded "NO DISC" is displayed.

3 **Insert a disc (☞ page 3).**
- Press ⏏ to open/close the disc tray.
- The disc tray also closes when ▶/II is pressed.

NOTE

Do not place any foreign objects in the disc tray. Doing so could damage it.

Turning the power off

Press ON/STANDBY.

NOTE

- Be sure to stop playback before turning the power off.
- Make sure that the disc tray is completely shut before turning off the power.
- Do not push the disc tray in by hand when the power is turned off. Doing so could damage the set.

Setting the current time (24-Hour Display)

[Example] Setting the current time to 10:15 am

1 **Press ON/STANDBY to turn the power on.**

2 **Press [MENU] or press <MODE> for 3 or more seconds.**
Various types of setting menus are displayed.

3 **Use △▽ to select "CLOCK SETUP", then press [ENTER/MEMO], <ENTER> or [▷].**

4 **Use △▽ to set the "hours".**

5 **Press [ENTER/MEMO], <ENTER> or [▷].**
The "minutes" display flashes.

6 **Use △▽ to set the "minutes".**

7 **Press [ENTER/MEMO], <ENTER> or [▷].**
The current time is set, and the normal display reappears.

❑ Checking the current time when the power is on

Press **[CLOCK]**.
Press once more and the display returns to its original condition.

❑ Checking the current time when the power is set to standby

Press **[CLOCK]**.
The current time is displayed for 10 seconds.

NOTE

The time cannot be set when in the standby mode. Turn on the power first.

Operations possible during playback

Adjusting the master volume

Press VOLUME ▲▼.
The volume level is displayed.

[Adjustable range]

VOLUME MIN, 1 - 59, MAX

Input source switching

Press [INPUT ▲] or <INPUT> to select the input source.

DISC → TUNER → AUX1 → AUX2 → M-XPort*1 → iPod / USB → DISC

*1 "M-XPort" appears only when an RX101 wireless receiver is connected to M-XPort.

Adjusting the tone

1 **Use [TONE] to select the tone parameter to be adjusted.**

BASS → TREBLE → BALANCE → BASS

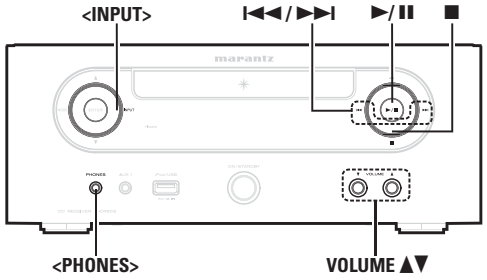
2 **Adjust the volume with I◄◄, ►►I or [◁ ▷].**
- To make other tone adjustments at this time, press **[TONE]**.
- If no operation is performed for 5 seconds, the adjustment is retained and the normal display reappears.

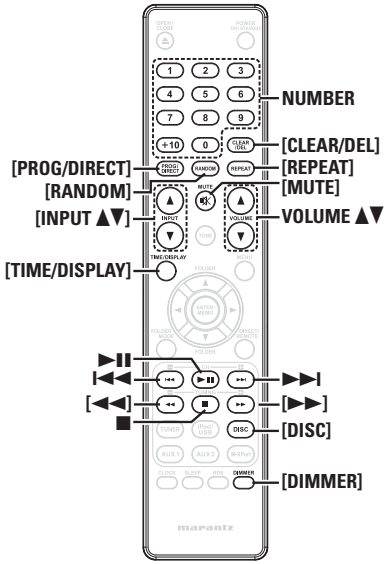
BASS	Adjusts the bass sound.	
	[Variable range]	**–10dB** – **+10dB**
TREBLE	Adjusts the treble sound.	
	[Variable range]	**–10dB** – **+10dB**
BALANCE	Adjusts the left/right volume balance.	
	[Variable range]	**+L06** – **CENTER** – **+R06**

Settings made upon purchase:
- BASS..... 0dB
- TREBLE..... 0dB
- BALANCE.....CENTER

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





Operations possible during playback

Muting the sound

Press [MUTE].
"MUTE ON" is displayed.

To cancel, press **[MUTE]** again.
(The mute mode is also canceled when **VOLUME ▲▼** is pressed.)

Switching the display's brightness

Press [DIMMER].

Bright → Dim → Off → Dark → Bright

• The display's brightness switches each time the button is pressed.

Listening with headphones

Plug the headphones (sold separately) into the <PHONES>.
• The sound from the speakers is automatically cut off.

NOTE

To prevent hearing loss, do not raise the volume level excessively when using headphones.

CD playback

This section explains how to playback CDs. For details on how to playback other media, see the sections below.

- ❑ **MP3 and WMA files playback** (☞page 21)
- ❑ **iPod® playback** (☞page 23)
- ❑ **Portable audio player playback** (☞page 24)
- ❑ **USB memory device playback** (☞page 25)

Playing CDs

Press ►/II.
The "►" indicator lights and playback begins.

• If the input source is set to something other than "DISC", press **[DISC]** to switch the input source to "DISC" and start playback (☞page 30 "Auto input source selector function").
• The input source can also be switched to "DISC" using **[INPUT ▲▼]** or **<INPUT>**.

❑ Stopping playback

Press ■.

❑ Stopping playback temporarily

Press **►/II**.
II is displayed.
• To resume playback, press **►/II**.

❑ Fast-forwarding and fast-reversing (searching)

During playback, press and hold in **[◄◄, ►►]**.

❑ Moving to the beginning of tracks (skipping)

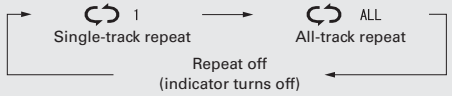
During playback, press **I◄◄, ►►I**.
• The disc skips as many tracks as times the button is pressed.
• When you press reverse once, playback returns to the beginning of the current track.

❑ To play the desired track (remote control only)

Press **[NUMBER]** (**0** – **9**, **+10**) to select the track.
[Example] Track 4 : **[4]**
[Example] Track 12 : **[+10]**, **[2]**
[Example] Track 20 : **[+10]**, **[+10]**, **[0]**

Playing repeatedly (Repeat playback)

Press [REPEAT].
Playback in the respective repeat mode starts.



[Selectable items]

1 (Single-track repeat)	Only 1 track plays repeatedly.
ALL (All-track repeat)	All tracks play repeatedly.
Repeat off (indicator turns off)	Normal playback resumes.

Playing random order (Random playback)

1 In the stop mode, press [RANDOM].
The "RANDOM" indicator lights.

2 Press ►/II.
The tracks start playing in random order.

If **[REPEAT]** is pressed during random playback, after the current session of random playback is finished, another session in a different order of tracks starts.

NOTE

Random play cannot be set or canceled during playback.

❑ Canceling random playback

While stopped, press **[RANDOM]**.
The "RANDOM" indicator turns off.

Playing tracks in the desired order (Program playback)

Up to 25 tracks can be programmed.

1 In the stop mode, press [PROG/DIRECT].
"PGM" is displayed.

2 Use [NUMBER] (0 – 9, +10) to select the tracks.

[Example] To program tracks 3, 12, 7 to play in that order:
Press **[PROG/DIRECT]**, **[3]**, **[+10]**, **[2]**, **[7]**.

3 Press ►/II.
Playback starts in the programmed order.

❑ Checking the order of the programmed tracks

In the stop mode, press ►►I.
The track numbers are displayed in the programmed order each time the button is pressed.

❑ To clear the last track programmed

In the stop mode, press **[CLEAR/DEL]**.
The last track programmed is cleared each time the button is pressed.

❑ To clear one programmed track at a time

In the stop mode, press ►►I to select the track to be cleared, then press **[CLEAR/DEL]**.

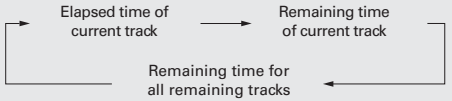
❑ Clearing the all programmed track

In the stop mode, press **[PROG/DIRECT]**.

- If **[REPEAT]** is pressed during program playback, the tracks are played repeatedly in the programmed order.
- If **[RANDOM]** is pressed during program playback, the programmed tracks are played in random order.
- The program is cleared when the disc tray is opened or the power is turned off.

Switching the display

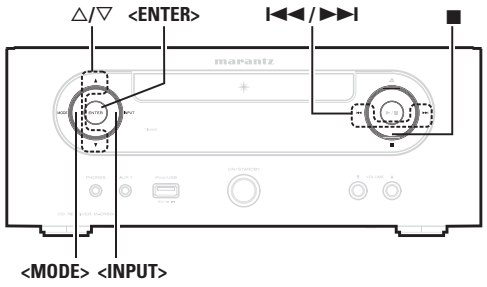
Press [TIME/DISPLAY].

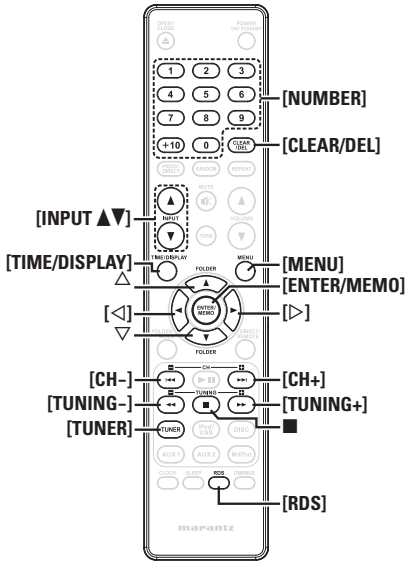


- The display switches each time the button is pressed.

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





Tuner playback

Tuning in Broadcast Stations

Connect the antenna beforehand (☞page 10).

1 Press [TUNER].

• If the input source is set to something other than "TUNER", press **[TUNER]** to switch the input source to "TUNER".

2 Press [TUNER] or <MODE> to select the reception band.

FM AUTO → FM MONO → AM → FM AUTO

[About the display]
When "FM AUTO" is selected..... "AUTO" is displayed.
When "FM MONO" is selected..... "MONO" is displayed.
When "AM" is selected..... The reception mode is not displayed.

3 Use [TUNING –, TUNING +] or <△▽> to select the reception band.
When a station is received, the "TUNED" indication will light.

The input source can also be switched to "TUNER" using **[INPUT ▲▼]** or **<INPUT>**.

❑ To tune automatically

Press and hold in **[TUNING –, TUNING +]** or **<△▽>** to tune in stations automatically.
• Stations whose signal is weak cannot be tuned in.

❑ To stop auto tuning

Press **[TUNING –, TUNING +]** or **<△▽>**.

A humming sound may be heard when using a TV nearby while receiving AM programs. If this happens, move the system as far from the TV as possible.

Automatically presetting FM stations (Auto preset)

This unit can be preset with a total of 99, FM and AM broadcast stations.

NOTE

Auto preset is not possible with AM broadcast stations.

❑ Auto presetting with the remote control

Perform this operation when tuned to an FM broadcast station.

1 Press [MENU] or press <MODE> for 3 or more seconds.

2 Use △▽ to select "TUNER SETUP", then press [ENTER/MEMO], [▷] or <ENTER>.

3 Use △▽ to select "FM AUTO PRESET", then press [ENTER/MEMO], [▷] or <ENTER>.

4 Press [ENTER/MEMO] or <ENTER> while "PRESET ENTER" is flashing.
Broadcast stations are preset automatically.

Canceling auto presetting

Press **[TUNER]** or ■.

Broadcast stations whose antenna signal are weak cannot be preset automatically. If you wish to preset such stations, tune them in manually.

NOTE

When FM auto preset is performed, the channel currently registered as the FM auto preset is deleted, and the newly preset FM broadcast station is registered to the same number as the deleted channel.

❑ Giving station names to preset channels

Names of up to 8 characters can be input.

1 **Tune in the preset channel you want to name.**

2 **Press [ENTER/MEMO] or <ENTER> twice.**
The display switches to the station name input display.

3 **Input the station name.**
Names of up to 8 characters can be input.
- △, ▽ .....Selects the character.
- **[▷]** or **<INPUT>** .....Moves the cursor to the right.
- **[◁]** or **<MODE>**.....Moves the cursor to the left.
- **[CLEAR/DEL]**.....Deletes the currently selected character.
- Characters that can be input.

A ~ Z, 0 ~ 9, ^ ' ( ) ∗ + , - . / = (space)

4 **Press [ENTER/MEMO] or <ENTER>.**
The characters you have input are entered.
- To give names to other stations, repeat steps 1 to 4.

Presetting FM/AM stations manually

This unit can be preset with a total of 99, FM and AM broadcast stations.

1 **Tune in the station you want to preset.**

2 **Press [ENTER/MEMO] or <ENTER>.**
The minimum number display "P– –" for the unregistered preset flashes.

3 **Use [NUMBER] (0 – 9, +10), [CH –, CH +] or <I◄◄, ►►I> to select the number to be preset, then press [ENTER/MEMO] or <ENTER>.**
The reception frequency and reception mode are preset and the display switches to the station name input display.

NOTE

When the registered preset number is selected, "∗" is displayed.
To overwrite this preset number, press **[ENTER/MEMO]** or **<ENTER>**.

4 **Input the station name.**
Names of up to 8 characters can be input.
- △, ▽ .....Selects the character.
- **[▷]** or **<INPUT>** .....Moves the cursor to the right.
- **[◁]** or **<MODE>**.....Moves the cursor to the left.
- **[CLEAR/DEL]**.....Deletes the currently selected character.
- Characters that can be input.

A ~ Z, 0 ~ 9, ^ ' ( ) ∗ + , - . / = (space)

- If you do not want to input a station name, press **[ENTER/MEMO]** or **<ENTER>** without inputting anything else.
- If you make a mistake when inputting, perform the procedure again. Whatever was previously input is overwritten.

5 **Press [ENTER/MEMO] or <ENTER>.**
The characters you have input are entered.
- To give names to other stations, repeat steps 1 to 5.

Listening to preset stations

Use [NUMBER] (0 – 9, +10), [CH –, CH +] or <I◄◄, ►►I> to select the preset number.

RDS (Radio Data System)

RDS (works only on the FM band) is a broadcasting service which allows a station to send additional information along with the regular radio program signal.
The following four types of RDS information can be received with this unit:

❑ RDS Search

Use this function to automatically tune to FM stations that provide the RDS service.

1 **Press [TUNER] to select "FM".**

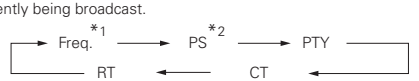
2 **Press [RDS].**

3 **Use △▽ to select "RDS SEARCH", then press [ENTER/MEMO], [▷] or <ENTER>.**

4 **Press [◁ ▷], [ENTER/MEMO] or <ENTER>.**
Automatically begin the RDS search operation.
- If no RDS station is found, "NO STATION" is displayed.

Viewing information during reception

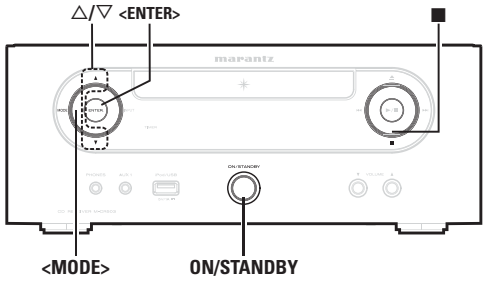
Press **[TIME/DISPLAY]** while receiving a RDS to display the information currently being broadcast.

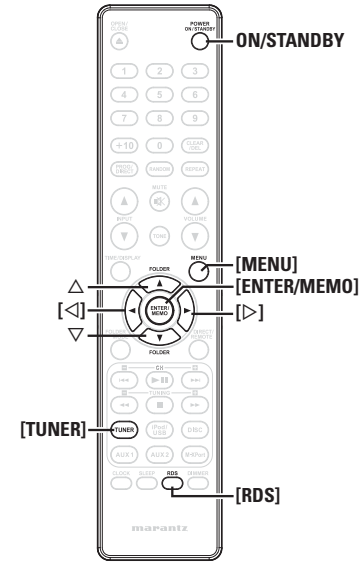


*1 Frequency
*2 Program service name
- If a station name is entered, it is displayed.

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





PTY (Program Type)

PTY identifies the type of RDS program.
The program types and their displays are as follows:

NEWS	News	**WEATHER**	Weather
AFFAIRS	Current Affairs	**FINANCE**	Finance
INFO	Information	**CHILDREN**	Children's programmes
SPORT	Sports	**SOCIAL**	Social Affairs
EDUCATE	Education	**RELIGION**	Religion
DRAMA	Drama	**PHONE IN**	Phone In
CULTURE	Culture	**TRAVEL**	Travel
SCIENCE	Science	**LEISURE**	Leisure
VARIED	Varied	**JAZZ**	Jazz Music
POP M	Pop Music	**COUNTRY**	Country Music
ROCK M	Rock Music	**NATION M**	National Music
EASY M	Easy Listening Music	**OLDIES**	Oldies Music
LIGHT M	Light Classical	**FOLK M**	Folk Music
CLASSICS	Serious Classical	**DOCUMENT**	Documentary
OTHER M	Other Music		

❑ PTY search

Use this function to find RDS stations broadcasting a designated program type (PTY).
For a description of each program type, refer to "Program Type (PTY)".

1 **Press [TUNER] to select "FM".**

2 **Press [RDS].**

3 **Use △▽ to select "PTY SEARCH", then press [ENTER/MEMO], [▷] or <ENTER>.**

4 **Use △▽ to call out the desired program type.**

5 **Press [◁ ▷], [ENTER/MEMO] or <ENTER>.**
Automatically begin the PTY search operation.
- If no program of the specified type is found, "NO STATION" is displayed.

TP (Traffic Program)

TP identifies programs that carry traffic announcements.
This allows you to easily find out the latest traffic conditions in your area before leaving home.

❑ TP search

Use this function to find RDS stations broadcasting traffic programs (TP stations).

1 **Press [TUNER] to select "FM".**

2 **Press [RDS].**

3 **Use △▽ to select "TP SEARCH", then press [ENTER/MEMO], [▷] or <ENTER>.**

4 **Press [◁ ▷], [ENTER/MEMO] or <ENTER>.**
Automatically begin the TP search operation.
- "NO STATION" is displayed when there is no traffic information broadcast station.

RT (Radio Text)

RT allows RDS stations to send text messages that appear on the display.

- When the RT mode is turned on while an RDS broadcast station not offering an RT service is tuned in, "NO RT" is displayed on the display.
- The RT mode cannot be set in the AM band or for FM stations not offering RDS broadcasts.

NOTE

The operations described below selecting "RDS Search" will not function in areas in which there are no RDS broadcasts.

CT (Clock Time)

Use this to correct the time of the clock on this unit.

① During CT reception, press **[MENU]** or **<MODE>** for 3 or more seconds.
The "AUTO Adj mm:ss" is displayed.

② Press **[ENTER/MEMO]** or **<ENTER>** to set.
The "RDS mm:ss" is displayed.

- The time on the set's internal clock is updated to the currently displayed "CT" time.

Do not operate any buttons while the time is being updated. If buttons are operated, CT reception is not possible and the time is not updated.

Advanced connections

This section explains how to connect a iPod and USB memory device.
For other connections, see the sections below.

- ❏ **Speaker connections** (☞page 9)
- ❏ **Connecting components** (☞page 10)
- ❏ **Connecting an antenna** (☞page 10)
- ❏ **Connecting the power cord** (☞page 11)

Audio cable (sold separately)

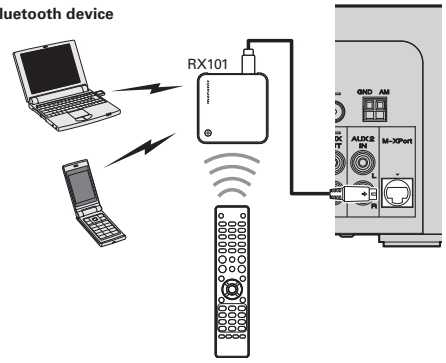
iPod cable

The wireless receiver connection

The unit allows the RX101 wireless receiver (sold separately) to be connected.
Connect the RX101 to the M-XPort (Marantz-eXtension Port) of the unit.

- For the installation and operating procedures, read the operating instructions that come with the RX101.

Bluetooth device



Remote control connection

The unit can be controlled using the remote sensor of RX101 connected to the unit. Be sure to set "IR=DISABLE" when controlling in this way.

NOTE

When making this remote control connection, be sure to set the IR switch of RX101 that is connected to the unit, to ON.

Setting the remote control

1 **Press <ON/STANDBY> to set the unit to standby mode.**

2 **Press and hold down <■> and then press <ON/STANDBY>.**
"IR=ENABLE" or "IR=DISABLE" flashes on the display.

3 **Press <△▽> to select "IR DISABLE" and then press <ENTER>.**

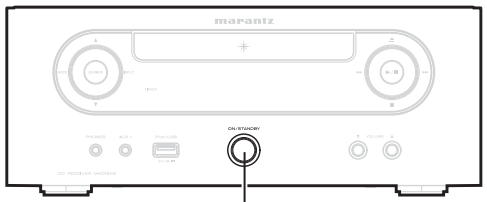
To restore original settings, repeat steps 1 – 3, select "IR=ENABLE" and press **<ENTER>**.

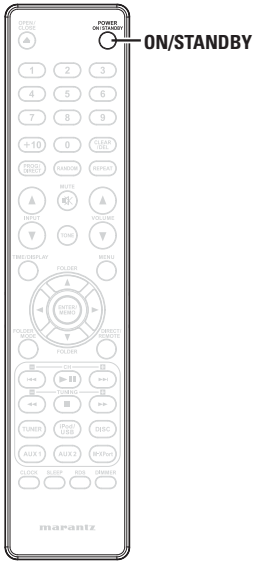
NOTE

The unit cannot be controlled using the remote controller while "IR=DISABLE" is set.

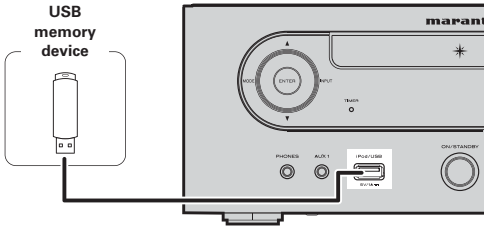
Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





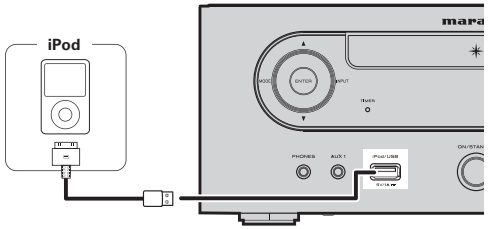
USB memory device connection



NOTE

- A computer can not be connected to and operate the unit via its USB port.
- Do not use an extension cable when connecting a USB memory device.
- For details about USB memory devices, see "Playable USB memory formats" (☞page 25).

iPod connection



To connect an iPod to this unit, use the iPod cable supplied with the iPod.

❑ Supported iPod models

iPod touch
1st generation
8GB 16GB 32GB 64GB

iPod touch
2nd generation
8GB 16GB 32GB 64GB

iPod classic
120GB 160GB (2009)

iPod classic
80GB 160GB

iPod
5th generation
(video)
30GB

iPod
5th generation
(video)
60GB 80GB

iPod nano
1st generation
1GB 2GB 4GB

iPod nano
2nd generation
(aluminum)
2GB 4GB 8GB

iPod nano
3rd generation
(video)
4GB 8GB

iPod nano
4th generation (video)
8GB 16GB

iPod nano
5th generation (video camera)
8GB 16GB

iPhone 3G
8GB 16GB

iPhone 3GS
16GB 32GB

Advanced Operations

Preparations

Before playing a USB or an iPod

1 **Press ON/STANDBY.**

2 **Connect USB memory device or iPod connection cable.**
When the USB memory device or iPod is connected to the USB port on this unit, the input source automatically switches to "iPod/USB" and file playback begins.

❑ Turning the power off (to the standby mode)
Press **ON/STANDBY** again.

NOTE

- Be sure to stop playback before turning the power off.
- Marantz will accept no responsibility whatsoever for any loss of iPod data.
- Depending on the type of iPod and the software version, some functions may not operate.

MP3 or WMA playback order of MP3 or WMA files

When there are multiple folders containing MP3 or WMA files, the playback order of folders is automatically set when this unit reads the media. The files in each folder are played back in the order in which the files were recorded on the media, from the oldest date and time.

❑ Playback order of folders

CD-R/CD-RW

For playback of files on CD-R or CD-RW , files in all folders on the first layer are played first, next on the second layer, then next on the third layer, and so on in this order.

USB memory device

For playback of files recorded on USB, files in the first folder on the first layer are played first, next folders on the second layer in the folder, then next on the third layer, and so on in this order. Then accordingly files on another first layer are played.

- The playback order displayed on a PC may differ from the actual playback order.
- The playback order with a CD-R/CD-RW may differ, depending on the writing software.

NOTE

The playback order may differ from the order in which the folders or files were recorded if you delete or add a folder or file on USB. This occurs because of data recording specifications and is not a malfunction.

MP3 and WMA files playback

This section explains how to playback MP3 and WMA files that are recorded onto a CD-R or CD-RW. For details on how to playback files recorded onto media other than CD-R or CD-RW, see the following sections.

❑ **Portable audio player playback** (☞page 24)
❑ **USB memory device playback** (☞page 25)
❑ **iPod® playback** (☞page 23)

There are many music distribution sites on the Internet allowing you to download music files in MP3 or WMA (Windows Media® Audio) format. The music (files) downloaded from such sites can be stored on CD-R or CD-RW discs and played on this unit.

"Windows Media" and "Windows" are registered trademarks or trademarks in the United States and other countries of Microsoft Corporation of the United States.

MP3 and WMA formats

CD-R and CD-RW discs created in the format described below can be played.

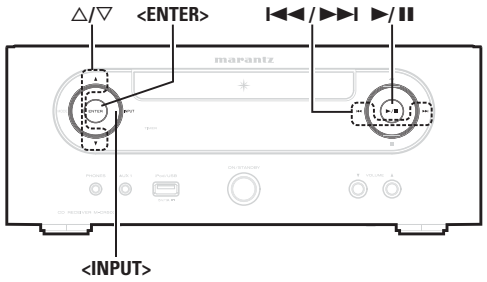
❑ Writing software format
ISO9660 level 1
When written in other formats, it may not be possible to play the disc properly.

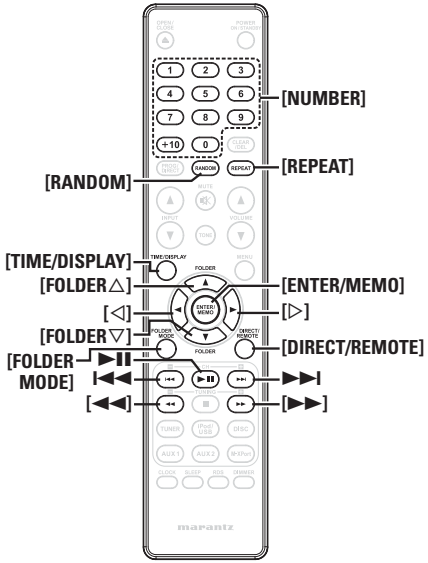
❑ Maximum number of playable files and folders
Number of files : 255
Number of folders : 255

❑ File format
MPEG-1 Audio Layer-3
WMA (Windows Media Audio)

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





❑ Tag data

ID3-Tag (Ver. 1.x and 2.x)
META-Tag
(Compatible with title, artist and album names)

Playable MP3/WMA file			
File format	**Sampling frequency**	**Bit rate**	**Extension**
MP3	32, 44.1, 48 kHz	32 ~ 320 kbps	.mp3
WMA	32, 44.1, 48 kHz	64 ~ 192 kbps	.wma

- Be sure to give files the extension ".MP3" or ".WMA". Files with any other extensions or with no extensions cannot be played.
- Mac OS X files assigned with filenames that begin with "._" are not music data and cannot be played back.
- In accordance with copyright laws, recordings you have made should only be used for your personal enjoyment and may not be used in other ways without permission of the copyright holder.

MP3 and WMA files playback

1 **Load a CD-R or CD-RW disc containing music files in the MP3 or WMA format into the disc tray (☞ page 3).**

2 **Press [FOLDER MODE] and select "Folder Mode" or "Disc Mode".**

Folder Mode ⟷ Disc Mode

[About the display]
When "Folder Mode" is selected ..... "FLD" indicator lights.
When "Disc Mode" is selected ..... "FLD" indicator turns off.

Folder Mode	All the files in the selected folder are played.
Disc Mode	After the selected folder and files are played, all the files in all the folders are played.

3 **Use [FOLDER △▽] or <△▽> to select the folder to be played.**

4 **Use I◄◄, ►►I or [◁ ▷] to select the file to be played.**

5 **Press ►/II.**

❑ To switch the folder or file during playback

Folder

Use **[FOLDER △▽]** or **<△▽>** to select the folder, then press **[ENTER/MEMO]** or **<ENTER>**.

File

Use **[◁ ▷]** to select the file, then press **[ENTER/MEMO]** or **<ENTER>**. Also use **I◄◄**, **►►I** to select the file, or use **[NUMBER]** (**0 – 9**, **+10**) to select the file number.

- The folder and file numbers are set automatically when the disc is loaded.

- Copyright-protected files cannot be played.
- Depending on the application software used for writing, it may not be possible to write the data properly.
- Depending on the disc's recording conditions, it may not be possible to play some discs properly.

❑ Switching the display

During playback, press **[TIME/DISPLAY]**.

File name → Title name / Artist name → Title name / Album name → File name

- The characters that can be displayed are as follows:

A – Z	a – z	0 – 9

! " # $ % & : ; < > ? @ \ [ ] _ ` | { } ~ ^ ' ( ) * + , - . / = (space)

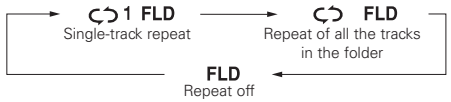
❑ To play repeatedly

Press **[REPEAT]**.

Playback starts in the respective repeat mode.

- The selectable repeat modes differ in the "Folder Mode" and the "Disc Mode".

When "Folder Mode" is selected:



When "Disc Mode" is selected:

[Selectable items]

When "Folder Mode" is selected:

1 FLD	Only the selected track is played repeatedly.
FLD	All the files in the selected folder are played repeatedly.
FLD	Folder mode playback resumes.

When "Disc Mode" is selected:

"Playing repeatedly (Repeat playback)" (☞page 15)

❑ Setting random playback

"Playing random order (Random playback)" (☞page 15)

Programmed playback is not possible with MP3/WMA discs.

iPod® playback

With this unit, you can listen to music on an iPod. It is also possible to operate the iPod from the main unit or remote control.

For the supported iPod models, see "iPod connection" (☞page 20).

Made for iPod iPhone

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

- Individual users are permitted to use iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch for private copy and playback of non-copyrighted contents and contents whose copy and playback is permitted by law. Copyright infringement is prohibited by law.

NOTE

- Marantz will accept no responsibility whatsoever for any loss of iPod data.
- Depending on the type of iPod and the software version, some functions may not operate.
- When connecting an iPhone to this unit, keep the iPhone at least 20cm away from this unit. If the iPhone is kept closer to this unit and a telephone call is received by the iPhone, noise may be output from this device.

1 Playback preparation (☞page 21 "Preparations").

2 Press [DIRECT/REMOTE] to select the display mode.

The mode switches each time the button is pressed.

[Selectable mode]		Remote mode	Direct mode
Display location		Main unit display	iPod display
Playable files	Audio file	✓	✓
	Video file		✓
Active buttons	Remote control and main unit	✓	✓
	iPod®		✓

3 Use △▽ to select the item, then press [ENTER/MEMO] or <ENTER> to select the music file to be played.

4 Press ►/II.

Playback starts.

NOTE

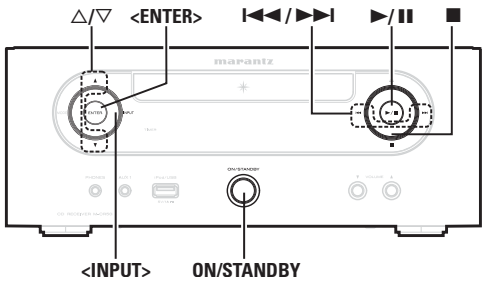
iPod nano 1G and iPod video do not have Direct mode support.

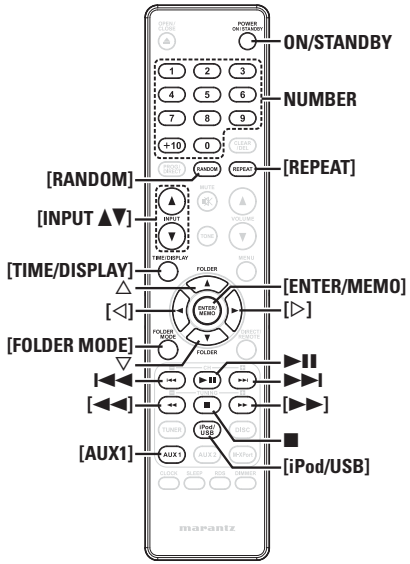
❑ Remote control and iPod button relations

Remote control buttons	iPod buttons	Operation on this unit
►/II	►II	Play the track / Pause the track.
I◄◄, ►►I	I◄◄, ►►I	Play the track from the beginning/ Play the next track.
◄◄, ►► Press and hold	I◄◄, ►►I Press and hold	Fast-reverse the track/Fast-forward the track.
△, ▽	Click Wheel	Select an item.
ENTER/MEMO or ▷	Select	Enter the selection or plays the track.
DIRECT/ REMOTE	–	Switch between the Direct mode and the Remote mode.
REPEAT	–	Switch the repeat function
RANDOM	–	Switch the shuffle function
◁	MENU	Display the menu or return to the previous menu.

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





❑ To switch the display

During playback, press **[TIME/DISPLAY]**.
The display switches each time the button is pressed.

Title name / Artist name ⟷ Title name / Album name

Disconnecting the iPod

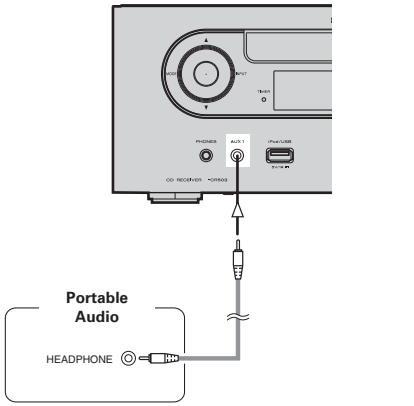
1 **Press ON/STANDBY to set the standby mode.**

2 **Disconnect the iPod cable from the USB port.**

Portable audio player playback

Your portable audio player can be connected to this unit's portable jack to play tracks on the portable audio player.

Connecting a portable player



Connect this unit and portable audio player using a separately sold mini-stereo audio cable.

Portable audio player playback

1 **Press [AUX1] to select "AUX 1".**

2 **Play the portable audio player.**
The player's audio is output.
• Also read the portable audio player's operating instructions.

The input source can also be switched to "AUX1" using **[INPUT ▲▼]** or **<INPUT>**.

NOTE

When using the portable player's headphone jack, set the volume on the portable player to an appropriate level.

USB memory device playback

Playable USB memory formats

Files stored on USB memory devices created in the formats below can be played.

❑ USB-compatible file systems

"FAT16" or "FAT32"

- If the USB memory device is divided into multiple partitions, only the top drive can be selected.

❑ Maximum number of playable files and folders

Maximum number of files in a folder: 255
Maximum number of folders: 255

❑ File format

MPEG-1 Audio Layer-3
WMA (Windows Media Audio)

❑ Tag data

ID3-Tag (Ver.1.x and 2.x)
META-Tag
(Compatible with title, artist and album names)

Playable MP3/WMA file			
File format	**Sampling frequency**	**Bit rate**	**Extension**
MP3	32, 44.1, 48 kHz	32 ~ 320 kbps	.mp3
WMA	32, 44.1, 48 kHz	64 ~ 192 kbps	.wma

Only music files that are not copyright-protected can be played on this set.

- Contents downloaded from pay sites on the Internet are copyright protected. Also, files encoded in WMA format when ripped from a CD, etc., on a computer may be copyright protected, depending on the computer's settings.
- Mac OS X files assigned with filenames that begin with "." are not music data and cannot be played back.

USB memory device playback

1 **Playback preparation (☞page 21 "Before playing a USB or an iPod").**

2 **Press [FOLDER MODE] and select "Folder Mode" or "Memory Mode".**

[About the display]
When "Folder Mode" is selected ..... "FLD" indicator lights.
When "Memory Mode" is selected..... "FLD" indicator turns off.
Folder Mode :
All the files in the selected folder are played.
Memory Mode :
After the selected folder and files are played, all the files in all the folders are played.

3 **Use △▽ to select the folder to be played.**

4 **Use ⏮, ⏭ or [◁ ▷] to select the file to be played.**

5 **Press ▶/❚❚.**

- When **[iPod/USB]** is pressed when the input source is anything other than USB, the input source switches to "iPod/USB", and the files stored on the USB memory device are played back. (☞page 30 "Auto input source selector function")
- For details on the order of playback for files stored on a USB memory device, see "MP3 or WMA playback order of MP3 or WMA files" (☞page 21).

❑ To switch the folder or file during playback

Folder

Use △▽ to select the folder, then press **[ENTER/MEMO]** or **<ENTER>**.

File

Use **[◁ ▷]** to select the file, then press **[ENTER/MEMO]** or **<ENTER>**.
Use ⏮, ⏭ to select the file, or use **[NUMBER]** (**0 – 9**, **+10**) to select the file number.

- The folder and file numbers are set automatically when the USB memory device is loaded.

❑ Stopping playback

Press ■.

❑ Stopping playback temporarily

Press ▶/❚❚.
The ❚❚ is displayed.

- To resume playback, press ▶/❚❚ or **[iPod/USB]**.

❑ Fast-forwarding and fast-reversing (searching)

During playback, press and hold in **[⏮, ⏭]**.

❑ Playing repeatedly

Press **[REPEAT]**.

❑ Playing random order

In the stop mode, press **[RANDOM]**.

❑ Switching the display

During playback, press **[TIME/DISPLAY]**.

- The characters that can be displayed are as follows:

A – Z	a – z	0 – 9

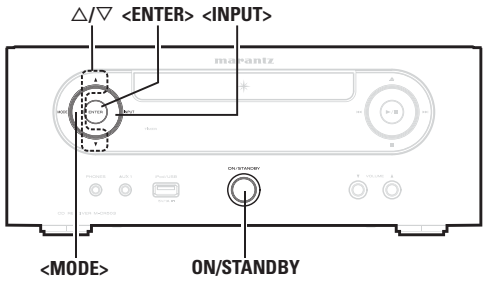
! " # $ % & : ; < > ? @ \ [ ] _ ` | { } ~ ^ ' ( ) * + , - . / = (space)

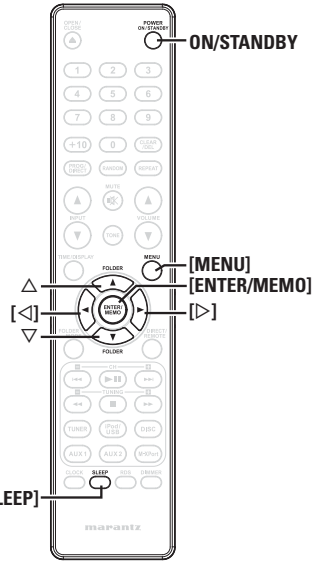
NOTE

- Marantz will take no responsibility whatsoever for any loss or damage to data on USB memory devices when using the USB memory device connected to this unit.
- USB memory devices will not work via a USB hub.
- Marantz does not guarantee that all USB memory devices will operate or be suppled power. When using a USB connection type portable hard disk of the type for which power can be supplied by connecting an AC adapter, we recommend using the AC adapter.

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





Setting the timer

This device can playback using the timer playback (everyday timer, once timer) and sleep timer.

❑ Timer operation when the time settings for timers overlap

When the sleep timer is set

Automatically stops playback after the time set for the sleep timer has elapsed.

When the once timer and everyday timer are both set (sleep timer is not set)

- Automatically starts playback at the earlier timer start time set for either of the timers.
- Automatically stops playback at the earlier timer stop time set for either of the timers.

If the current time is not set, enter timer setting mode to get time setting mode.

Setting the timer

- **Everyday timer ("EVERY DAY")**
  Playback starts and stops (the power standby) at the set times each day.
- **Once timer ("ONCE")**
  Playback starts and stops (the power standby) once only at the set times.

1 **Press [MENU] or press <MODE> for 3 or more seconds.**

2 **Use △▽ to select "TIMER SETUP", then press [ENTER/MEMO], [▷] or <ENTER>.**

3 **Use △▽ to select the timer mode, then press [ENTER/MEMO], [▷] or <ENTER>.**

```
MODE SELECT
ONCE TIMER
```

ONCE ↔ EVERYDAY

4 **Use △▽ to select the input source, then press [ENTER/MEMO], [▷] or <ENTER>.**

```
INPUT SELECT
DISC
```

DISC → TUNER → AUX1 → AUX2 → iPod/USB → DISC

5 **Only when the "TUNER" function is selected**

Use △▽ to select the preset number, then press [ENTER/MEMO], [▷] or <ENTER>.

- When no name has been registered for the selected preset number, the program service or frequency appears after the preset number is displayed.

6 **Use △▽ to select "hours" for the timer start time, then press [ENTER/MEMO], [▷] or <ENTER>.**

```
ON TIME
10:00>  00:00
```

7 **Use △▽ to select "minutes" for the timer start time, then press [ENTER/MEMO], [▷] or <ENTER>.**

```
ON TIME
10:30>  00:00
```

8 **Use △▽ to select "hours" for the timer stop time, then press [ENTER/MEMO], [▷] or <ENTER>.**

```
OFF TIME
10:30>  11:00
```

9 **Use △▽ to select "minutes" for the timer stop time, then press [ENTER/MEMO], [▷] or <ENTER>.**

```
OFF TIME
10:30>  11:30
```

10 **Use [◁ ▷], <MODE> or <INPUT> to select "ON" or "OFF" for the timer, then press [ENTER/MEMO] or <ENTER>.**

- The ⏲ indicator lights and the timer setting is entered.
- The timer settings are displayed for 3 seconds.

11 **Press ON/STANDBY to set the power to standby.**
Timer standby mode is set, and the TIMER indicator lights red.

❑ Setting the timer to on or off

① Press **[MENU]** or press **<MODE>** for 3 or more seconds.
② Use △▽ to select "TIMER ON/OFF", then press **[ENTER/MEMO]** or **<ENTER>**.
③ Use △▽ to select "ONCE" or "EVERYDAY".
④ Use **[◁ ▷]**, **<MODE>** or **<INPUT>** to select "ON" or "OFF" for the timer, then press **[ENTER/MEMO]** or **<ENTER>**. The timer settings are displayed after this.

- When set to "OFF", time operation is disabled, but the timer settings remain unchanged.

❑ To check the timer settings

① Press **[MENU]** or press **<MODE>** for 3 or more seconds.
② Use △▽ to select "TIMER ON/OFF" , then press **[ENTER/MEMO]** or **<ENTER>**.
③ When "ON" is displayed for the timer setting, press **[ENTER/MEMO]** or **<ENTER>**.
The timer settings are displayed for 3 seconds.

❑ To change the timer settings

Perform the operations at "Setting the timer" (☞page 26).

❑ To change the setting while setting the timer

Press **[◁]** or **<MODE>**.
The setting returns to the previous step. Display the setting you want to change, then make the desired setting.

Setting the sleep timer

Use this function to automatically switch the power to the standby mode after a specific amount of time (minutes).
The sleep timer can be set to up to 90 minutes, in steps of 10 minutes.

Press [SLEEP] during playback and select the setting time.

SLEEP 90 min → SLEEP 80 min → SLEEP 70 min →
SLEEP 60 min → SLEEP 50 min → SLEEP 40 min →
SLEEP 30 min → SLEEP 20 min → SLEEP 10 min → SLEEP OFF →

- After about 5 seconds, the setting is entered and the display returns to as it was before.

❑ Canceling the sleep timer

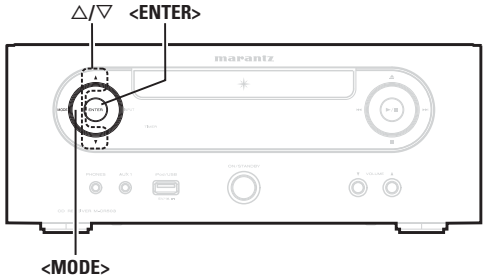
Either press **[SLEEP]** to select "SLEEP OFF" or press **ON/STANDBY**.

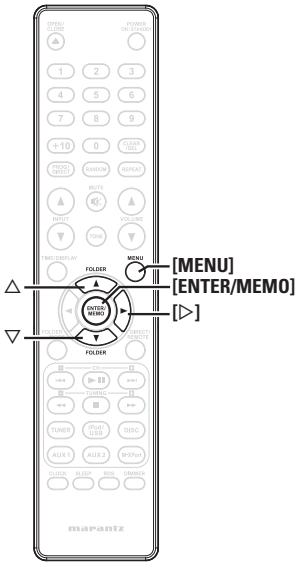
❑ To check the time remaining until the sleep timer is activated

Press **[SLEEP]**.

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





Setting the speakers

Setting speaker output

The speaker outputs of this unit are Speaker A, Speaker B, and Bi-Amp. To switch these speaker output modes, use the "SPEAKER SETUP" menu.

1 Press [MENU] or press <MODE> for 3 or more seconds.

2 Use △▽ to select "SPEAKER SETUP", then press [ENTER/MEMO], [▷] or <ENTER>.

3 Use △▽ to select "SPEAKER SELECT", then press [ENTER/MEMO], [▷] or <ENTER>.

4 Use △▽ to select Speaker output modes, then press [ENTER/MEMO], [▷] or <ENTER>.

SPEAKER A	Outputs audio from the Speaker A output terminal. (Default)
SPEAKER B	Outputs audio from the Speaker B output terminal.
BI-AMP	Outputs the same audio from Speaker A output terminal and Speaker B output terminal. The two types of speaker connections are as follows: • **BI-AMP output** Outputs audio via one pair of speakers (☞page 28 "Listening to music using BI-AMP"). • **Speakers A and B output** Outputs audio via two pairs of speakers.

When you select "BI-AMP" mode, the maximum output of the amplifier will be switched from 50W per channel to 25W per channel. (8 Ω)

NOTE

Set the audio volume appropriately before making speaker setting.

❑ Listening to music using BI-AMP

Bi-amp can be used to connect speakers using two pairs of speaker cables to connect the unit and speaker system.
Before making connections, check that the speaker system supports bi-amp.

What is Bi-Amp?

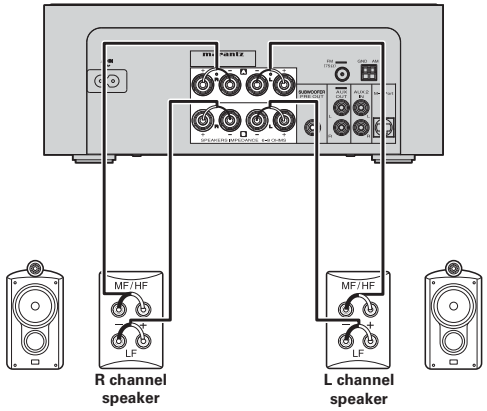
Bi-amp is a technique used to improve sound quality where separate speaker cables are used to connect to terminals for the low-end and mid-range frequencies.
This connection method can help eliminate interference in the mid-range caused by back-EMF generated by the speaker unit used for the low-end.

NOTE

Be sure to set the same filter for both Speaker A and Speaker B when listening to music on speakers connected using bi-amp. ("Setting AMP characteristics" (☞page 29))

Connecting the speaker cables

Carefully check the left (L) and right (R) channels and + (red) and – (black) polarities on the speakers being connected to the unit, and be sure to connect the channels and polarities correctly.



NOTE

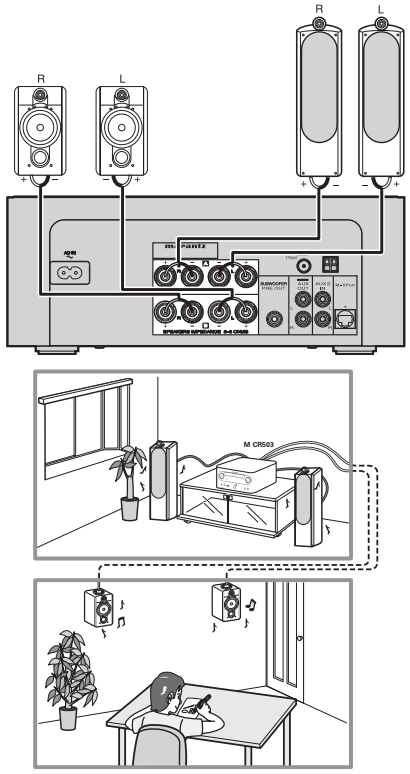
Be sure to remove the short plate connecting the LF and MF/HF connectors on the speaker. Failure to do so may result in fire and/or damage to the equipment during use.

❑ Listening to music in two locations using a multi-drive connection

You can listen to music in different rooms using this unit with two pairs of speaker systems.

Connecting the speaker cables

Carefully check the left (L) and right (R) channels and + (red) and – (black) polarities on the speakers being connected to the unit, and be sure to connect the channels and polarities correctly.



Adjusting the audio level balance between speakers A and B

With the output of Speaker A fixed, the audio level of Speaker B can be adjusted within the range –6 dB to +6 dB.

1 Press [MENU] or press <MODE> for 3 or more seconds.

2 Use △▽ to select "SPEAKER SETUP", then press [ENTER/MEMO], [▷] or <ENTER>.

3 Use △▽ to select "VOLUME OFFSET", then press [ENTER/MEMO], [▷] or <ENTER>.

4 Use △▽ to ajust volume offset, then press [ENTER/MEMO], [▷] or <ENTER>.

[Adjustable range]

-6 dB – +6 dB

Setting AMP characteristics

- Amp properties can be changed according to the location speakers are installed.
- Five types of characteristics can be selected.
- Different characteristics can be selected for Speaker A and Speaker B.

1 Press [MENU] or press <MODE> for 3 or more seconds.

2 Use △▽ to select "SPEAKER SETUP", then press [ENTER/MEMO], [▷] or <ENTER>.

3 Use △▽ to select "SPK OPTIMISE", then press [ENTER/MEMO], [▷] or <ENTER>.

4 Use △▽ to select the speaker you want to set for audio output and then press [ENTER/MEMO], [▷] or <ENTER>.

SPEAKER A	Sets the characteristics of Speaker A.
SPEAKER B	Sets the characteristics of Speaker B.

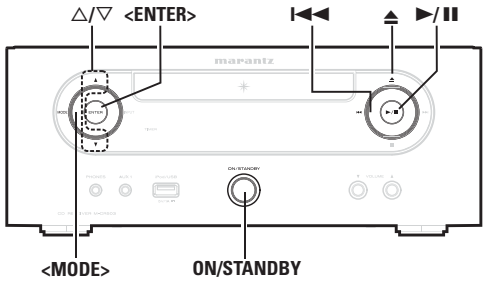
5 Use △▽ to select the characteristics you want to set, then press [ENTER/MEMO], [▷] or <ENTER>.

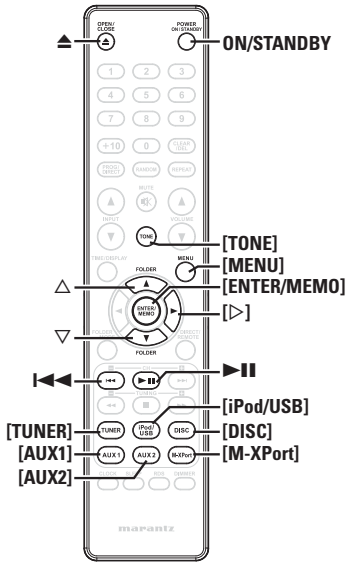
[Selectable items]

FLAT	Properties are flat. (Default) This enhances bass frequencies when speakers are placed directly on furniture or on a rack. If you feel that there is too much bass, select your favorite properties from among RESPONSE1 to RESPONSE4.
RESPONSE 1	Cuts low frequencies 60 Hz or under by –12 dB/oct.
RESPONSE 2	Cuts low frequencies 100 Hz or under by –12 dB/oct.
RESPONSE 3	Cuts low frequencies 60 Hz or under by –12 dB/oct. Also, raises the 400 Hz region by 3 dB.
RESPONSE 4	Cuts low frequencies 100 Hz or under by –12 dB/oct. Also, raises the 400 Hz region by 3 dB.

Symbols used to indicate buttons in this guide

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





Other functions

Auto power on

When the power is in standby, the power turns on when any of the buttons below other than **ON/STANDBY** is operated, and the respective operation is performed.

- ⏏ ..... The disc tray opens.
- ►/II ..... Playback of the "DISC" or "iPod/USB" starts.
- **[TUNER]** ..... Playback of the tuner starts.
- **[DISC]** ..... The input source switches to "DISC" and the disc starts playing.
- **[iPod/USB]** .... The input source switches to "iPod/USB" and the USB starts playing.

Auto input source selector function

When one of the buttons below is pressed, it switches to that input source and starts playback on that input source.

- **[DISC]** ..... The input source switches to "DISC" and the disc starts playing.
- **[iPod/USB]** .... The input source switches to "iPod/USB" and the USB starts playing.
- **[TUNER]** ..... The input source switches to "TUNER" and the band last set is tuned in.
- **[AUX1]** ..... The input source switches to "AUX1".
- **[AUX2]** ..... The input source switches to "AUX2".
- **[M-XPort]** ..... The input source switches to "M-XPort".

When RX101 wireless receiver is not connected to the M-XPort, "M-XPort NO CONNECTION" is displayed and the input source switches back to the previous selection.

Auto standby

With the Auto standby ON, this unit will automatically enter the standby mode after about 30 continuous minutes of stop mode with no operation.

- The default setting is "OFF".

1 **Press [MENU] or press <MODE> for 3 or more seconds.**

2 **Use △▽ to select "AUTO STANDBY", then press [ENTER/MEMO], [▷] or <ENTER>.**

3 **Use △▽ to select "ON", then press [ENTER/MEMO], [▷] or <ENTER>.**
The setting is entered.

NOTE

In the following situations, the Auto standby function does not operate.

- During CD playback or pause.
- When an iPod or USB memory device is connected to the USB port on the unit.
- When the input source is "TUNER" or "AUX2".
- When the input source is "AUX1" and a devices connected to the AUX1 jack.
- When the input source is "M-XPort" and an RX101 wireless receiver is connected to M-XPort.

Last function memory

This stores the settings as they were immediately before going into the standby mode.
When the power is turned back on, the settings are restored to as they were immediately before going into the standby mode.

Resetting the microprocessor

Perform this procedure if the display is abnormal or if operations cannot be performed.
When the microprocessor is reset, all the settings are reset to their default values.

1 **Unplug the power cord.**

2 **Plug the power cord into a power outlet while pressing [ON/STANDBY] and <I◀◀> simultaneously.**
"INITIALIZE" is displayed.

If "INITIALIZE" does not display in step 2, start over from step 1.

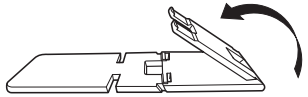
iPod stand

You can set your iPod or iPhone on the supplied iPod stand.

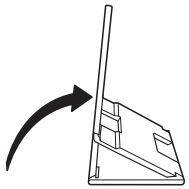
❑ Setting up the iPod stand

Use the procedure below to set up the iPod stand.

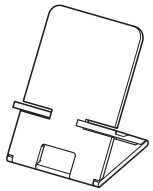
①



②

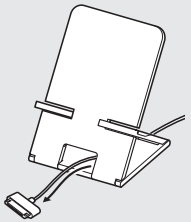


③



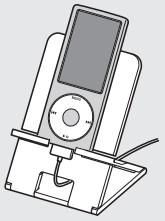
❑ Setting your iPod on the iPod stand

1 **Pass the iPod cable through the opening on the iPod stand.**



2 **Connect the iPod to the iPod cable.**

3 **Set your iPod on the iPod stand.**

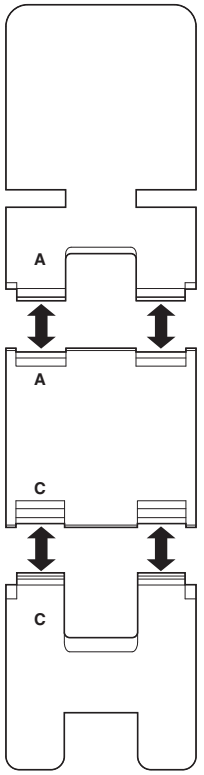


NOTE

- Make sure to place the iPod stand on a flat surface.
- Do not operate the iPod or iPhone while it is set on the iPod stand. Doing so could cause the iPod or iPhone to fall off from the stand.
- Some iPod models cannot be set on the iPod stand because the underside of the iPod is blocked when the iPod cable is connected.
- Make sure to disable the iPhone vibration function before you set it on the iPod stand. If the iPhone vibrates when it is set on the stand, it could fall off from the stand and be damaged.
- Do not use the iPod stand for purposes other than the one it is intended to perform.
- Marantz will accept no responsibility whatsoever for any damage of equipment connected to this unit while it is used.

❑ If the iPod stand becomes detached

Assemble as shown below.



Explanation terms

B

Bit rate
This expresses the read amount per 1 second of video/audio data recorded in a disc.

D

Dynamic range
The difference between the maximum undistorted sound level and the minimum sound level that is discernible above the noise emitted by the device.

F

Finalize
This is processing that enables playing back of disc of CD, which was recorded using a recorder, by other players.

M

MP3 (MPEG Audio Layer-3)
This is an internationally standardized audio data compression scheme, using the "MPEG-1" video compression standard. It compresses the data volume to about one eleventh its original size while maintaining sound quality equivalent to a music CD.
MPEG (Moving Picture Experts Group), MPEG-2, MPEG-4
These are the names for digital compression format standards used for the encoding of video and audio. Video standards include "MPEG-1 Video", "MPEG-2 Video", "MPEG-4 Visual", "MPEG-4 AVC". Audio standards include "MPEG-1 Audio", "MPEG-2 Audio", "MPEG-4 AAC".

P

Protection circuit
This is a function to prevent damage to components within the power supply when an abnormality such as an overload, excess voltage occurs or temperature for any reason.
In this unit, the power turns off suddenly.

S

Sampling frequency
Sampling involves taking a reading of a sound wave (analog signal) at regular intervals and expressing the height of the wave at each reading in digitized format (producing a digital signal).
The number of readings taken in one second is called the "sampling frequency". The larger the value, the closer the reproduced sound is to the original.
Speaker impedance
This is an AC resistance value, indicated in Ω (ohms). Greater power can be obtained with this value smaller.

W

WMA (Windows Media Audio)
This is audio compression technology developed by Microsoft Corporation.
WMA data can be encoded using Windows Media® Player Ver.7, 7.1, Windows Media®Player for Windows® XP and Windows Media® Player 9 Series.
To encode WMA files, only use applications authorized by Microsoft Corporation. If you use an unauthorized application, the file may not work properly.

Troubleshooting

If a problem occurs first check the following:
1. Are the connections correct?
2. Is the set being operated as described in the user guide?
3. Are the other components operating properly?
If this unit does not operate properly, check the items listed in the table below. If the problem persists, there may be a malfunction.
In this case, disconnect the power immediately and contact your retail outlet.

[General]

Symptom	Cause	Countermeasure	Page
Set does not operate properly.	• External noise or interference is causing the set to malfunction.	• Reset the microprocessor.	30
Display not lit and sound not produced when power switched to on.	• Power cord not plugged in securely.	• Check the connections on the set's rear panel and the connection of the power plug to the power outlet.	11
Display lit but sound not produced.	• Wrong input source selected. • Volume control set to minimum. • MUTING is on.	• Select the appropriate input source. • Turn volume up to suitable level. • Switch off MUTING.	13 13 14
Display is off.	• The Dimmer setting is set to "OFF".	• Set to something other than "OFF".	14
Power turns off suddenly and TIMER indicator flashes red. (Flashes at 0.5 second intervals)	• Protection circuit activated due to a rise in internal temperature. • Core wires of two speakers are touching each other or a core wire is sticking out of the terminal and touching the set's rear panel, activating the protection circuit.	• Turn off the power, wait for the set to fully cool down, then turn the power back on. • Place the set in a well-ventilated location. • First unplug the power cord, then twist the core wires tightly or terminate the speaker cables, then reconnect.	10 III 9
Power turns off suddenly and TIMER indicator flashes red. (Flashes at 0.25 second intervals)	• Set is damaged.	• Turn off the power and contact a Marantz service center.	–

[Remote control]

Symptom	Cause	Countermeasure	Page
Set does not work properly when remote control operated.	• Batteries are worn. • You are operating outside of the specified range. • Obstacle between main unit and remote control. • The batteries are not inserted in the proper direction, as indicated by the polarity marks in the battery compartment. • The set's remote control sensor is exposed to strong light (direct sunlight, fluorescent light, etc.).	• Replace with new batteries. • Operate within the specified range. • Remove the obstacle. • Insert the batteries in the proper direction, following the polarity marks in the battery compartment. • Move the set to a place in which the remote control sensor will not be exposed to strong light.	4 4 – 4 4

[CD]

Symptom	Cause	Countermeasure	Page
"00 Tr 00 : 00" is shown on the display even though a CD is loaded.	• The disc is not properly loaded.	• Reload the disc.	3
Disc does not play when ►/❚❚ button is pressed.	• The disc is dirty or scratched.	• Wipe the disc clean or replace the disc.	3
A specific part of a disc is not played.	• The disc is dirty or scratched.	• Wipe the disc clean or replace the disc.	3
A CD-R or CD-RW disc cannot be played.	• The disc has not been finalized. • The recording conditions are bad or the quality of the disc itself it poor.	• Finalize the disc then play it. • Use a properly recorded disc.	3 –
MP3 and WMA files cannot be played.	• The file formats, extensions or settings made when the disc was created are not compatible with this unit.	• Create discs with file formats, extensions or settings compatible with this unit.	21

[Tuner]

Symptom	Cause	Countermeasure	Page
Continuous noise is heard when receiving FM programs.	• Antenna cable is not properly connected.	• Connect the antenna cable properly. • Connect an outdoor antenna.	10 –
Hissing or continuous noise is heard when receiving AM programs.	• This may be noise from a TV or interference from a broadcast station.	• Turn off the TV. • Change the position and direction of the AM loop antenna.	– 10

[iPod/USB]

Symptom	Cause	Countermeasure	Page
When a USB memory device is connected, "USB" is not displayed.	• The set cannot recognize a USB memory device. • A USB memory device not conforming to mass storage class or MTP standards is connected. • A USB memory device that the set cannot recognize is connected. • USB memory device is connected via USB hub.	• Check the connection. • Connect a USB memory device conforming to mass storage class or MTP standards. • This is not a malfunction. Marantz does not guarantee that all USB memory devices will operate or receive power. • Connect the USB memory device directly to the USB port.	20 – – –
iPod cannot be played.	• Input source other than "iPod/USB" is selected. • Cable is not properly connected.	• Switch the INPUT to "iPod/USB". • Reconnect.	21 20
Files on a USB memory device cannot be played.	• USB memory device is in a format other than FAT16 or FAT32. • USB memory device is divided into multiple partitions. • Files are stored in a non-compatible format. • You are attempting to play a file that is copyright protected.	• Set the format to FAT16 or FAT32. For details, refer to the USB memory device's operating instructions. • When divided into multiple partitions, only files stored in the top partition can be played. • Record the files in a compatible format. • Files that are copyright protected cannot be played on this set.	– – 25 25

[M-XPort]

Symptom	Cause	Countermeasure	Page
No sound.	• Pairing for Bluetooth communication has not been properly completed.	• Perform pairing for Bluetooth (wireless) communication again.	–
The sound is distorted or breaks up.	• There is a device, such as a wireless LAN or microwave, that uses radio waves in the same frequency band (2.4 GHz) as this unit.	• Move the unit or Bluetooth device from where it has been installed.	–
Cannot operate Bluetooth device.	• AVRCP commands are not supported.	• Consult the user guide of the Bluetooth device you are using to find out whether the device supports AVRCP commands.	–

Specifications

❑ CD player

• Audio performance	
S/N ratio (1 kHz)	100 dB
Dynamic range (1 kHz)	100 dB
Total harmonic distortion (1 kHz)	0.01 %

❑ Audio AMP

Rated output (1 kHz, total harmonic distortion 0.7 %, 8 Ω)	40 W + 40 W
(1 kHz, total harmonic distortion 0.7 %, 6 Ω)	50 W + 50 W
Effective maximum output (1 kHz, total harmonic distortion 10 %, 8 Ω)	50 W + 50 W
(1 kHz, total harmonic distortion 10 %, 6 Ω)	60 W + 60 W
Input sensitivity/impedance	
AUX1	110 mV/24 kΩ
AUX2	200 mV/32 kΩ
Frequency response (5 W, 8 Ω)	
AUX input	5 Hz to 20 kHz (±3 dB)
Total harmonic distortion (1 kHz, 5 W, 8 Ω)	
AUX input	0.05 %
S/N ratio (10 W, 8 Ω, IHF-A)	
AUX input	86 dB

❑ Tuner

• FM tuner	
Range of receivable frequencies	87.5 to 108.0 MHz
S/N ratio (mono)	65 dB
Sensitivity (S/N 30 dB)	9 dBμV (IHF)
• AM tuner	
Range of receivable frequencies	522 to 1611 kHz
S/N ratio	40 dB
Sensitivity (S/N 20 dB)	55 dBμV/m

❑ Clock

Clock method	Crystal oscillator (Within 1 – 2 minutes per month)

❑ Power supply

Power supply voltage/frequency	AC 230 V, 50/60 Hz
Power consumption	50W
Power consumption in standby mode	0.4 W

❑ Miscellaneous

External dimensions (width x height x depth)	280 x 111 x 302 mm
Weight	4.1 kg

• For purposes of improvement, specifications and design are subject to change without notice.

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Printed in China

06/2010 541110493031M