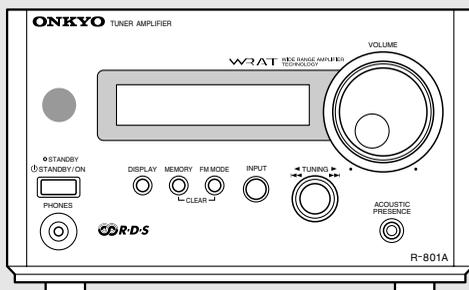


TUNER AMPLIFIER

R-801A

Instruction Manual



European models front panel shown.

Before using

Connections

Preparations

Operation

Other Information

Thank you for purchasing the ONKYO R-801A Tuner Amplifier.

Please read this manual thoroughly before making any connection or turning on the power.

Follow these instructions to obtain optimum performance and maximum listening enjoyment from your new R-801A. Please retain this manual for future reference.

WARNING:

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

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.



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



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.

Important Safeguards

- 1. Read Instructions** – All the safety and operating instructions should be read before the appliance is operated.
- 2. Retain Instructions** – The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
- 4. Follow Instructions** – All operating and use instructions should be followed.
- 5. Cleaning** – Unplug the appliance from the wall outlet before cleaning. The appliance should be cleaned only as recommended by the manufacturer.
- 6. Attachments** – Do not use attachments not recommended by the appliance manufacturer as they may cause hazards.
- 7. Water and Moisture** – Do not use the appliance near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- 8. Accessories** – Do not place the appliance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the appliance. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.**
- 10. Ventilation** – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the appliance and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the appliance on a bed, sofa, rug, or other similar surface. The appliance should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. There should be free space of at least 20 cm (8 in.) and an opening behind the appliance.
- 11. Power Sources** – The appliance should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.
- 12. Grounding or Polarization** – The appliance may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 13. Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

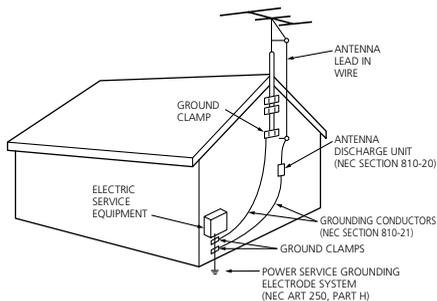
PORTABLE CART WARNING



S3125A

14. **Outdoor Antenna Grounding** – If an outside antenna or cable system is connected to the appliance, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.
15. **Lightning** – For added protection for the appliance during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the appliance due to lightning and power-line surges.
16. **Power Lines** – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17. **Overloading** – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
18. **Object and Liquid Entry** – Never push objects of any kind into the appliance through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the appliance.
19. **Servicing** – Do not attempt to service the appliance yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20. **Damage Requiring Service** – Unplug the appliance from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power-supply cord or plug is damaged,
 - B. If liquid has been spilled, or objects have fallen into the appliance,
 - C. If the appliance has been exposed to rain or water,
 - D. If the appliance does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to its normal operation,
 - E. If the appliance has been dropped or damaged in any way, and
 - F. When the appliance exhibits a distinct change in performance – this indicates a need for service.
21. **Replacement Parts** – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
22. **Safety Check** – Upon completion of any service or repairs to the appliance, ask the service technician to perform safety checks to determine that the appliance is in proper operation condition.
23. **Wall or Ceiling Mounting** – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
24. **Heat** – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

FIGURE 1:
EXAMPLE OF ANTENNA GROUNDING AS PER
NATIONAL ELECTRICAL CODE, ANSI/NFPA 70



NEC – NATIONAL ELECTRICAL CODE

Precautions

1. Recording Copyright

Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.

2. AC Fuse

The fuse is located inside the chassis and is not user-serviceable. If power does not come on, contact your Onkyo authorized service station.

3. Care

From time to time you should wipe the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering.

4. Power

WARNING

BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (e.g., AC 230 V, 50 Hz or AC 120 V, 60 Hz) written on the rear panel.

Setting the STANDBY button to standby does not shut off the power completely. So the power cord should be removed from the AC outlet when the unit is not used for a prolonged time.

For British model

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

IMPORTANT

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

Blue : Neutral

Brown : Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IMPORTANT

A 5 ampere fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amperes and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMPERE SOCKET.

If in any doubt, please consult a qualified electrician.

For U.S. model

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC, ANSI/NFPA 70, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

FCC Information for User

CAUTION:

The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For Canadian model

For models having a power cord with a polarized plug:

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

NOTE:

THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.

Modele pour les Canadien

Sur les modèles dont la fiche est polarisée:

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

REMARQUE:

CET APPAREIL NUMÉRIQUE DE LA CLASSE B EST CONFORME À LA NORME NMB-003 DU CANADA.

Memory Preservation

This unit does not require memory preservation batteries. A built-in memory power back-up system preserves the contents of the memory during power failures and even when the unit is unplugged. The unit must be plugged in order to charge the back-up system.

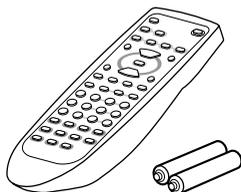
The memory preservation period after the unit has been unplugged varies depending on climate and placement of the unit. On the average, memory contents are protected over a period of a few weeks after the last time the unit has been unplugged. This period is shorter when the unit is exposed to a highly humid climate.

Main Features

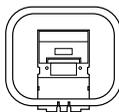
- A compact, discrete component with 155mm (6-1/8") wide
- 24 Watts per channel into 4 ohms DIN
- Low impedance drive discrete output stage
- Accoustic Presence
- RDS (Radio Data System) PS only (European model)
- FM/AM random 30 Stations Preset Tuning
- Timer Play (Weekday,Weekend),Sleep & Timer Rec
- Automatic Scan Tuning (FM only)
- FM TUNED Indicator
- Audio Muting (operable via remote control)
- Battery-free Backup System to Protect Memory Contents
- Motor driven Volume control
- Head phone Jack
- **IR** Compatible Remote Control Included
- Blushed Alminume Front Panel

Supplied accessories

Check that the following accessories are supplied with this unit.



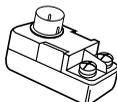
Remote controller x 1
(RC-466S)
Batteries x 2
(Size AA, R6, or UM-3)



AM loop antenna x 1



FM indoor antenna x 1



75/300 ohm antenna adapter x 1
(Available in Asia)

Declaration of Conformity

We, ONKYO EUROPE
ELECTRONICS GmbH
INDUSTRIESTRASSE 20
82110 GERMERING,
GERMANY



declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN60065, EN55013, EN55020 and EN61000-3-2, -3-3.

GERMERING, GERMANY


I. MORI

ONKYO EUROPE ELECTRONICS GmbH

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Connecting to the ONKYO Separate Collection Series components

This section introduces you to the other Separate Collection Series system components and their convenient system functions, followed by connecting instructions.

The following Separate Collection Series components are commercially available:

- C-701A Compact Disc (CD) Player
- MD-101A Minidisc (MD) Recorder
- CDR-201A Audio CD Recorder

Note that the available components may vary according to the area.

Combination use of the unit with the above system components enables you to operate the following convenient functions:

- **Auto Power On**

- You can turn on the unit by pressing the STANDBY/ON switch on one of the system components.
- You can turn on all the system components at the same time by pressing the STANDBY/ON switch on the unit.
You can turn off each component not in use independently afterwards.

- **Direct Change**

Press the following button on the component you want to operate to switch the unit's input selector automatically to that component:

- The play button on the CD player, MD recorder or stereo cassette tape deck.

- **Remote Control Operation**

All the system components can be operated using the supplied remote controller.

- **Program Timer**

You can operate timer playback and recording using this unit.

- **Sleep Timer**

You can fall asleep to a music/radio program using this unit.

- **CD Dubbing**

Simple CD dubbing using an MD recorder or CD recorder is possible with the pressing of a single button. (Refer to the MD-101A or CDR-201A Instruction Manual for more information).

- **CD/MD/CDR Synchro Recording**

If a connected MD recorder or CD recorder is in recording stand-by mode, pressing the play button on the CD player will automatically start recording. (Refer to the MD-101A, CDR-201A or C-701A instruction manual for more information.)

- **Dubbing a specific track from CD**

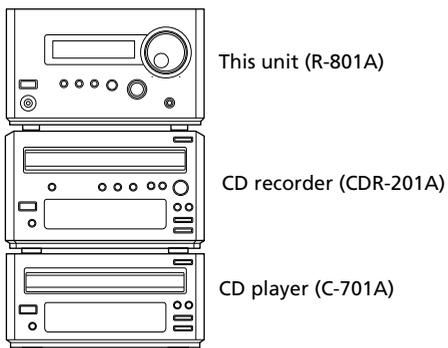
You can specify a track on a CD and easily dub it to a connected MD recorder or CDR-201A. (Refer to the MD-101A or CDR-201A instruction manual for more information.)

Arranging the system components

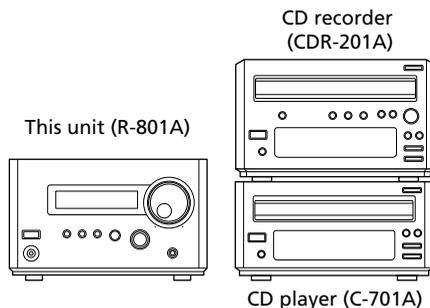
Combination example 1

Select the CD player C-701A and CD recorder in addition to this unit. When you arrange these components, stack them as shown below.

Vertical way stacking



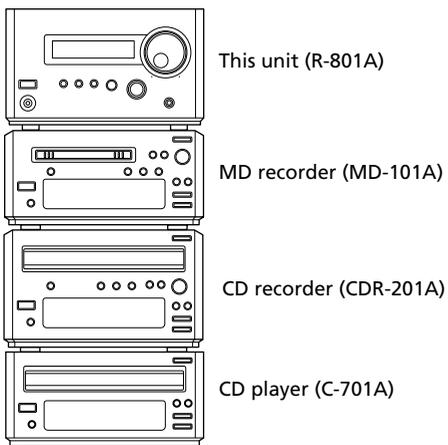
Horizontal way stacking



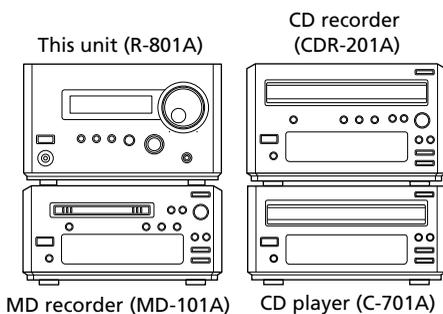
Combination example 2

Select the CD player C-701A, CD recorder and MD recorder MD-101A in addition to this unit. When you arrange these components, stack them as shown below.

Vertical way stacking



Horizontal way stacking

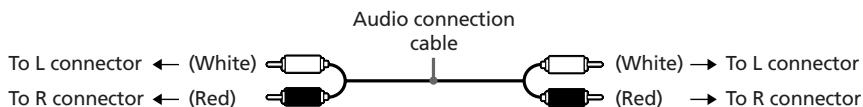


Connecting to the ONKYO Separate Collection Series components

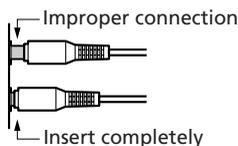
Connecting to the audio connector

Before connecting

- Do not connect the unit's AC power cord (mains lead) to a wall outlet (the mains) until you have completed all the other connections, including **RI** and AC OUTLET connections on page 12 and "Connecting speaker systems" on page 16.
- On each pair of connectors, a red connector (marked R) corresponds to the right channel, and a white connector (marked L) to the left channel. Connect white plugs of audio connection cables to L connectors and connect red plugs of audio connection cables to R connectors.
- Please refer to the instruction manual for each component when you make any connections.



- Insert the plug securely. If the connection is incomplete, noise or malfunction may result.



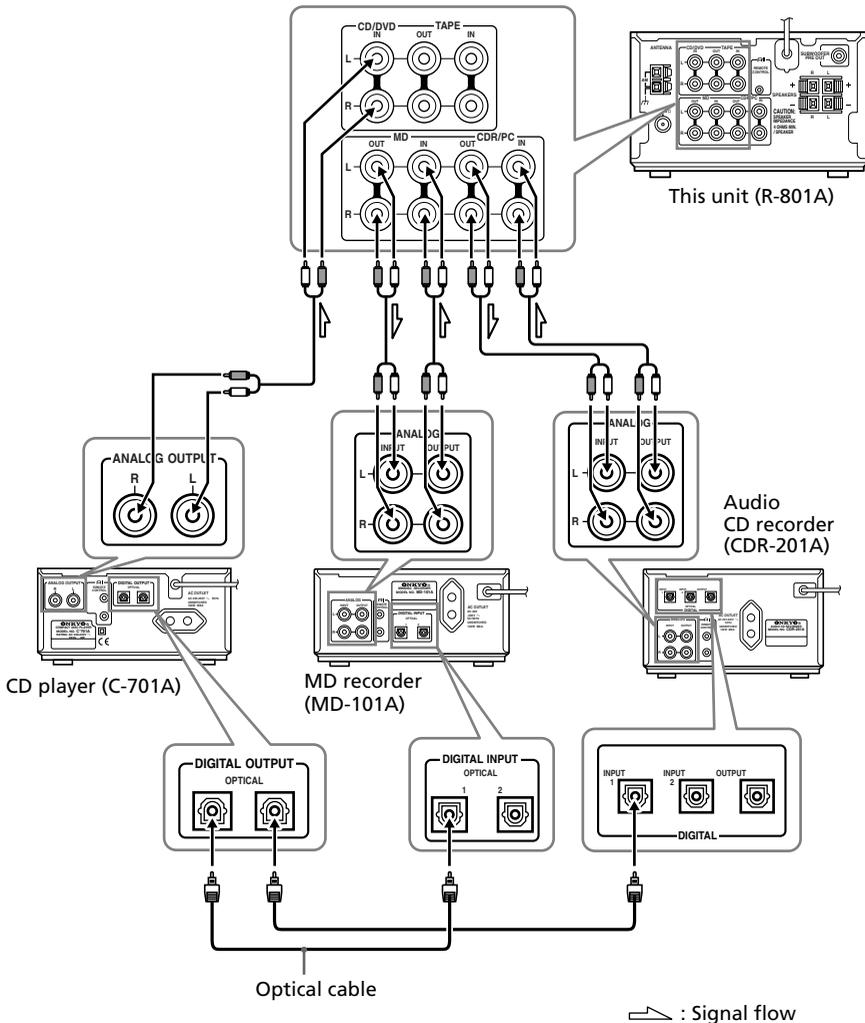
- When you use a digital audio optical cable, do not bend it sharply nor coil it tightly.
- Bundling an audio connection cable with the power cord or speaker cord may degrade the sound quality.
- Be sure to use the **RI** cable, supplied with each component (except for the R-801A) to connect to the **RI** remote control connector. If the connection is incomplete, you will be unable to operate the device using the remote controller.
- CD recorders and MD recorders use heat-sensitive parts. Do not place them on top of the amplifier.

Note:

To connect both the MD recorder MD-101A and CD player C-701A to the unit:
Connect the MD recorder to the unit following the "Connection for combination example."

The European model is shown in the following illustrations.

Connections for combination example



Connecting to the ONKYO Separate Collection Series components

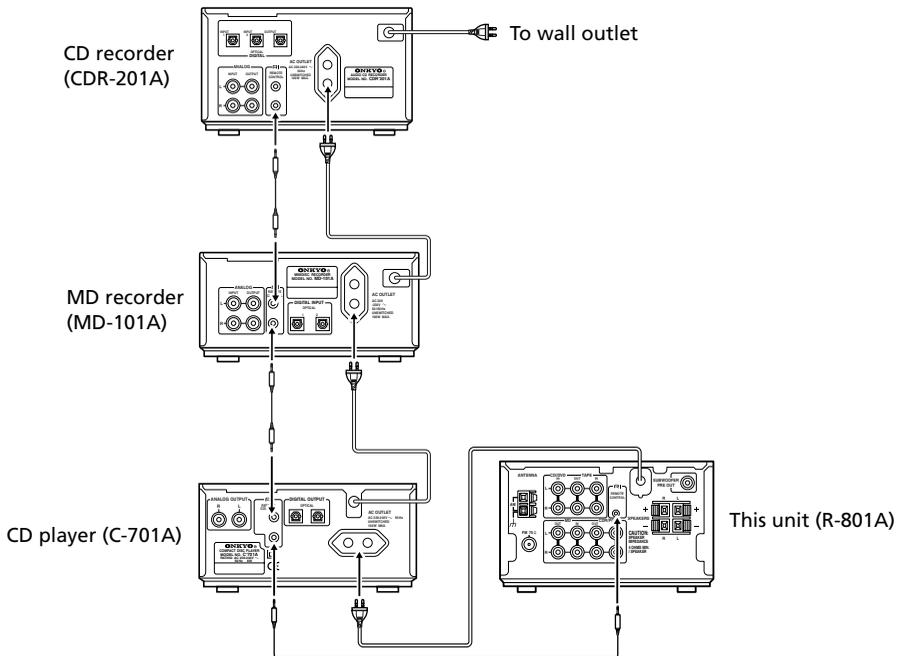
Connecting the **RI** connectors and AC OUTLETS

Before connecting

- The hookups on page 11 is needed in addition to the **RI** (for remote control operations) and AC OUTLET (for power supply to each component) hookups on this page.
- Each component has two **RI** connectors. There is no difference between those connectors. The components may be connected in any order.
- The **RI** remote control cable for connecting the **RI** connectors is supplied with each component (not supplied with the unit).

Connections

To use the Clock/Timer function of this unit's, connect the power cord as shown below and connect the **RI** remote control cable and audio connection cables (see page 11). Be sure to connect the power cord of this unit to an AC outlet that supplies continuous power.

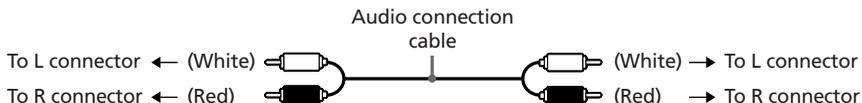


Connecting to components other than the Separate Collection Series

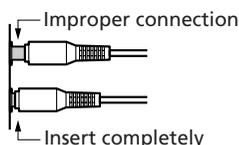
Connecting audio/video equipment to audio connectors

Before connecting

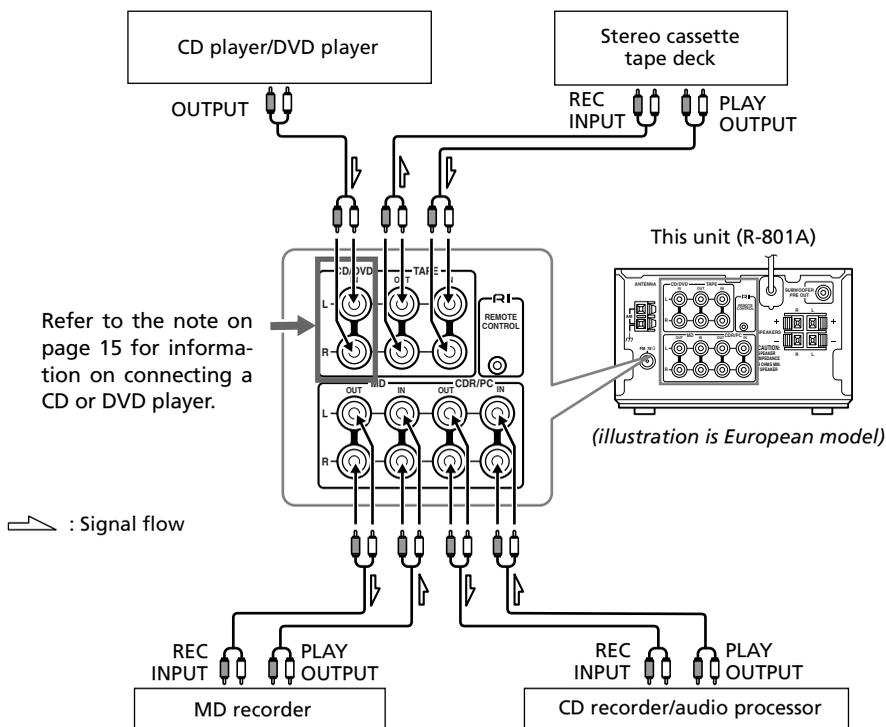
- Do not connect the AC power cord (mains lead) to the wall outlet (the mains) until you have completed all the other connections including the sound processor connections on the next page, the **RI** connections on page 15, and the speaker connections on page 16.
- On each pair of connectors, a red connector (marked R) corresponds to the right channel, and a white connector (marked L) to the left channel. Connect white plugs of audio connection cables to L connectors and connect red plugs of audio connection cables to R connectors.



- Please refer to the instruction manual for each component when you make any connections.
- Insert the plug securely. If the connection is incomplete, noise or malfunction may result.



Connections



Connecting to components other than the Separate Collection Series

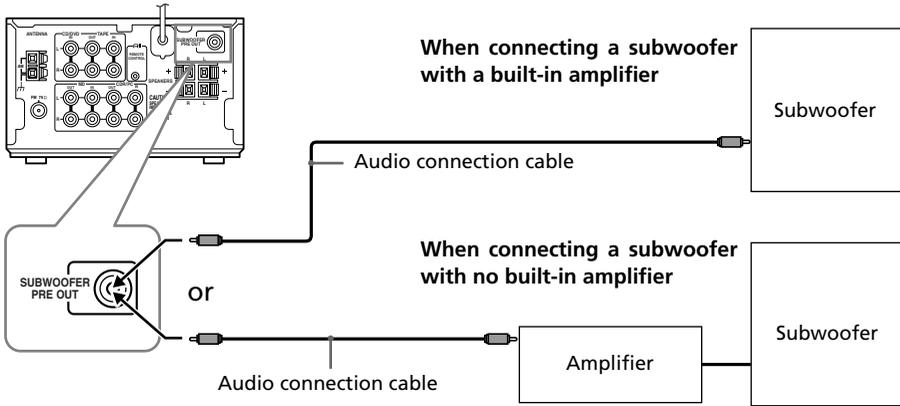
Connecting a subwoofer

Before connecting

- If your subwoofer isn't equipped with an amplifier, connect a separate amplifier to the unit first, then connect the subwoofer to that amplifier.
- The SUBWOOFER PRE OUT connector supplies the left and right mixed monaural signals to the subwoofer.

Connections

This unit (R-801A)



Connecting the **RI** remote control cables

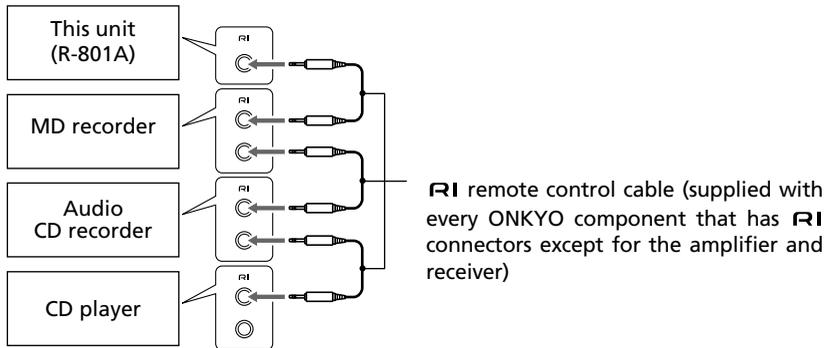
If your other components are made by ONKYO and those components are equipped with **RI** connectors, you can control the **RI**-connected components with the supplied remote controller.

Before connecting

- The unit must be connected in the **RI** system hookups for **RI** control operations.
- Each component has two **RI** connectors. There is no difference between these connectors.
- The components may be connected in any order.
- The hookups on the previous page are necessary independently of the **RI** system hookups.

The illustration below is an example of a **RI** hookup.

Connections



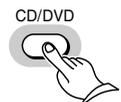
- This is not an example of stacking the components. For the example, refer to page 9.

Note:

Select "CD" as the input display when you connect a CD player to the R-801A's CD/DVD connector, and select "DVD" when you connect a DVD player. If you select the wrong input, the system will not operate even if the **RI** connection is correct.

Toggling between "CD" and "DVD" for the input display

To toggle between "CD" or "DVD" for the input display, make sure that the display indicates "CD" or "DVD," then press and hold down the CD/DVD button on the remote controller for two seconds or more.

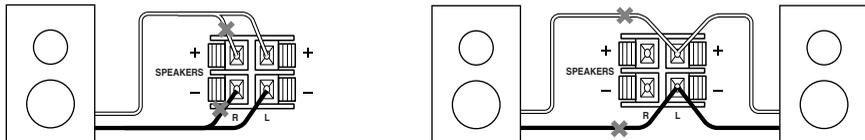


Connecting speaker systems

Connecting left and right speakers

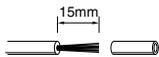
Before connecting

- The load impedance of each speaker must be at least 4 ohms.
- Do not use unnecessarily long or extremely thin speaker cords. Otherwise, the DC resistance of the speaker cords may become too high, lowering the damping factor and causing the sound quality to deteriorate.
- Do not connect the speaker cord to the L and R connectors at the same time and do not connect two or more speakers to the same speaker connectors.



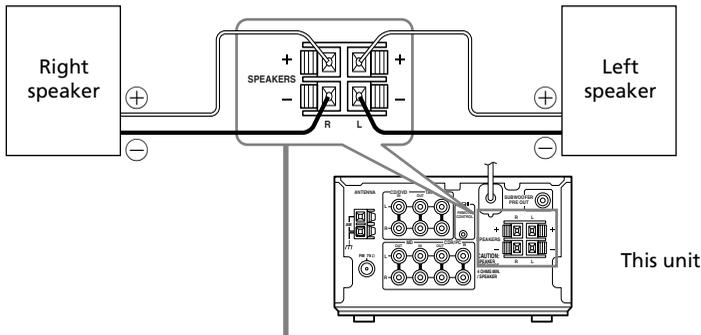
Preparing the speaker cords for connection

- ① Strip 15 mm from the end of each cord.
- ② Twist the stripped end of the cord.



Note
To prevent damage to circuits never short-circuit the positive (+) and negative (-) speaker wires.

Connecting the speaker cords to the speaker connectors



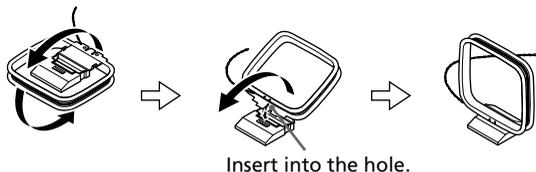
- ① Press down the lever.
- ② Insert the wire into the hole.
- ③ Release the lever to replace it.

Antenna connections

Connecting the AM antenna

Assembling the AM loop antenna

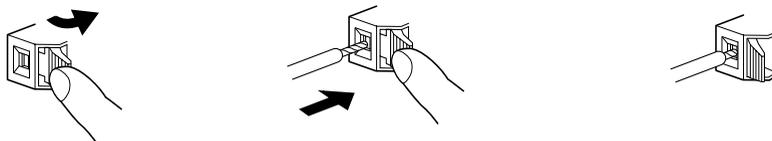
Assemble the loop antenna as shown in the illustration.



Insert into the hole.

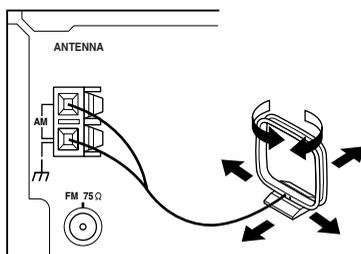
Connecting the antenna cable

1. Press down the lever.
2. Insert the wire into the hole.
3. Release the lever to replace it.



Connecting the AM loop antenna

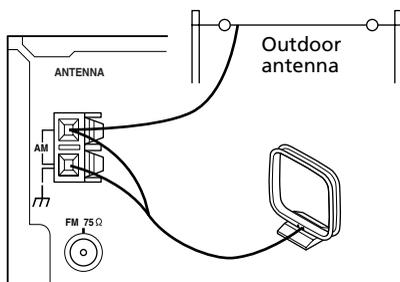
The AM loop antenna is for indoor use only. Set it in the direction and position where you receive the clearest sound. Put it as far as possible away from this unit, TV, speaker cables, and power cords.



Connecting an AM outdoor antenna

When reception is not satisfactory with the supplied AM loop antenna alone, connection of an outdoor antenna is recommended. The outdoor antenna will be more effective if it is stretched horizontally above a window or outside.

- Do not remove the AM loop antenna.
- To avoid the risk of lightning and electrical shock, grounding is necessary. Follow item 14 of the "Important Safeguards" on page 3 when you install the outdoor antenna.



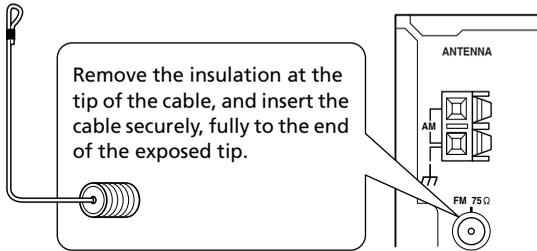
Antenna connections

Connecting the FM antenna

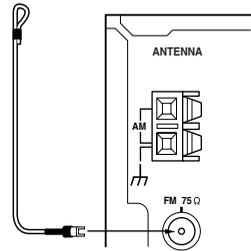
FM indoor antenna

The supplied FM antenna is for indoor use only. Move the antenna in various directions until the clearest signal is received. Fix it with push pins or similar implements in the position that will cause the least amount of distortion.

U.S. and Canadian models



Other models

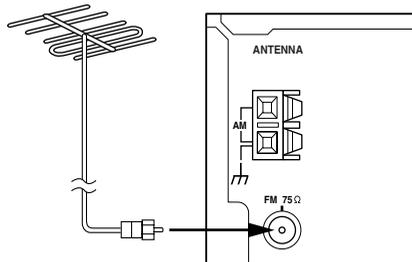


FM outdoor antenna

If the reception is not very clear with the supplied FM antenna, the use of an outdoor antenna is recommended.

Please make sure that you follow the considerations below regarding the location.

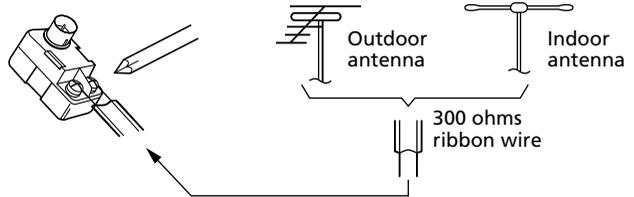
- Keep the antenna away from noise sources (neon signs, busy roads etc.).
- It is dangerous to put the antenna close to power lines. Keep it well away from power lines, etc.
- To avoid the risk of lightning and electrical shock, grounding is necessary. Follow item 14 of the "Important Safeguards" on page 3 when you install the outdoor antenna.



Connecting the antenna cable to the 75/300 ohm antenna adapter (Non-European models)

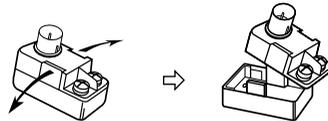
Connecting the 300 ohm ribbon wire:

Loosen the screws and wrap the wire around these screws. Then tighten the screws with a screwdriver.

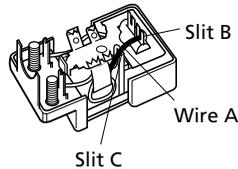


Connecting the coaxial cable:

1. With your fingernail or a small screwdriver, press the stoppers outward and remove the cover.



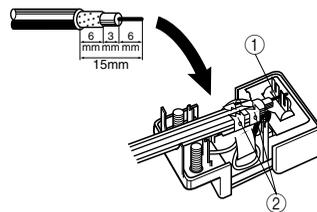
2. Remove the transformer wire A from slit B and insert it into slit C.



3. Prepare the coaxial cable as shown in the diagram.

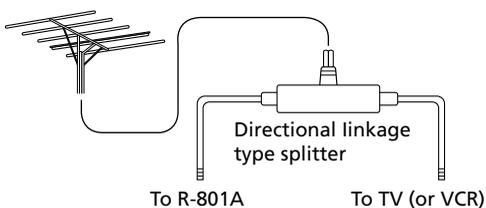
Connect the 75/300 ohm antenna adapter to the coaxial cable.

- ① Insert the end of the cable.
- ② Clamp it in place with pliers.



4. Re-install the cover.

Directional linkage

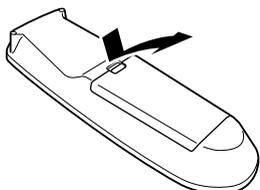


Do not use the same antenna for both FM and TV (or VCR) reception since the FM and TV (or VCR) signals can interfere with each other. If you must use a common FM/TV (or VCR) antenna, use a directional linkage type splitter.

Preparing the remote controller

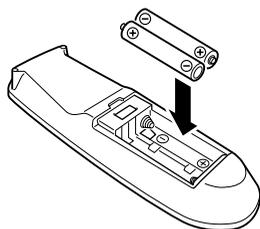
Installing the remote controller batteries

- 1 Remove the battery compartment cover by pressing and sliding it away from the remote controller unit.

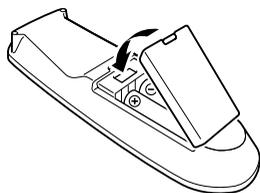


- 2 Insert two AA-size batteries into the battery compartment.

Carefully follow the polarity diagram (positive \oplus and negative \ominus symbols) inside the battery compartment.



- 3 After batteries are installed and seated correctly, replace the compartment cover.



Notes

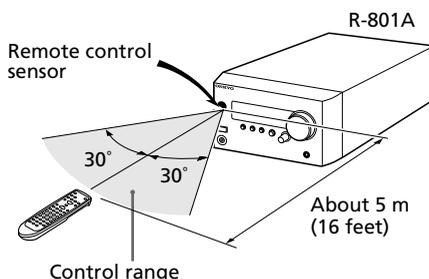
- Do not mix new batteries with old batteries or different kinds of batteries.
- To avoid corrosion, remove the batteries if the remote controller is not to be used for a long time.
- Remove dead batteries immediately to avoid damage from corrosion. If the

remote controller doesn't operate smoothly, replace both the batteries at the same time.

- The life of the batteries supplied is about six months but this will vary depending on usage.

Using the remote controller

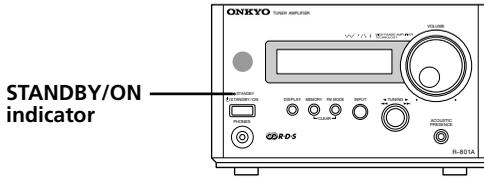
Point the remote controller toward the remote control sensor.



Notes

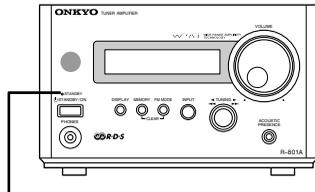
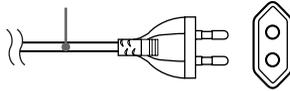
- Place the unit away from strong light such as direct sunlight or inverted fluorescent light which can prevent proper operation of the remote controller.
- Using another remote controller of the same type in the same room or using the unit near equipment which uses infrared rays may cause operational interference.
- Do not put any object such as a book on the remote controller. The buttons of the remote controller may be pressed by mistake and drain the batteries.
- Make sure the audio rack doors do not have colored glass. Placing the unit behind such doors may prevent proper remote controller operation.
- If there is any obstacle between the remote controller and the remote control sensor, the remote controller will not operate.

Connecting the AC power cord (mains lead)



Connect the AC power cord (mains lead) to the wall outlet (the mains)

AC power cord (mains lead)



The STANDBY indicator lights up.

Notes

- If the AC power cord (mains lead) is connected to the AC outlet of another component, that component's AC power cord (mains lead) must be connected to the wall outlet (the mains) to supply power to the unit. If the component has a power switch, it must be set to On.
- If you do not use the unit for a long time, remove the power cord of the R-801A from the AC outlet.
- The unit may cause a power surge on your home circuit when you turn it on. If this interferes with any other devices connected to the same circuit, plug this unit into another outlet on a separate circuit.

Setting the Clock

The "ACCUCLOCK" features an automatic clock adjusting function automatically sets the clock time by means of RDS broadcast signals.

- The "ACCUCLOCK" feature is available only on the European model, and only in areas where RDS broadcasts are available.
- Adjust the clock as explained in "Setting the clock manually" on page 24 if you are using U.S. or Canadian models or if you are using the unit in the area where RDS broadcasts are unavailable.

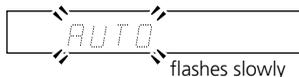
Setting the clock automatically (European models only)

ACCUCLOCK starts operating as soon as the power cord is plugged in. It then searches for an RDS broadcasting station which regularly sends time signals and waits to receive such time information. Do not operate any buttons until the clock setting is complete. The R-801A retains the clock setting until you unplug the power cord.

The following steps describe how to set the clock automatically:

1. Plug in the power cord.

"AUTO" flashes slowly on the display.

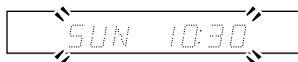


2. Once an RDS station that sends time signals is detected, the indicator flashes more rapidly.



3. Once the time signal is received from the RDS station, "CLOCK ADJUSTED" will scroll on the display.

4. The received time information (the day of the week and the time) appears.



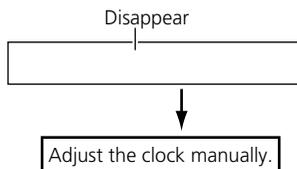
5. The time indicator turns off.



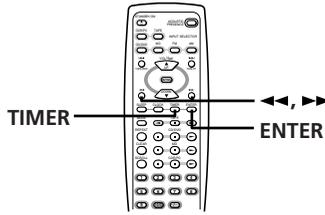
- It may take about 5 minutes for the time information to be received and displayed after you plug in the power cord.
6. After the clock is initially set, it will be adjusted periodically when the R-801A is in Standby mode.

Notes on using the "ACCUCLOCK" function:

- Make sure that your FM antenna has been properly connected as explained on page 18. It is strongly recommended that you install an outdoor FM antenna since the FM indoor antenna may not receive RDS broadcasts well enough to allow ACCUCLOCK to function properly.
- The clock will display the time in a 24 hour cycle. For example, 5:30 pm will be displayed as "17:30". (You can select a 12 hour cycle display setting. For more information, see page 25.)
- If RDS signals cannot be received, no RDS station will be found.
If an RDS signal is present but the signal is not strong enough, the ACCUCLOCK cannot set the time automatically, and the indication on the display turns off. If this occurs, set the clock manually. (See page 24.)



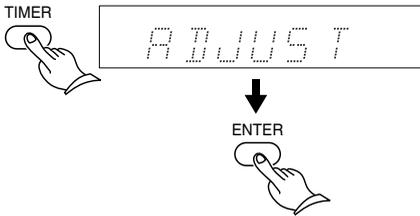
- You may wish to adjust the clock manually because the time information may differ depending on the RDS station detected. If so, follow the manual clock adjustment procedure described on page 24.
- There may be cases in which you can listen to radio broadcasts but cannot use the ACCUCLOCK function.
- Once activated, ACCUCLOCK will remember the RDS station it uses for two weeks even if the power cord of this unit is unplugged. If you move outside the service area of the memorized RDS station and find out that ACCUCLOCK is not functioning, see "Confirming/changing the RDS Station used by ACCUCLOCK" on page 23 to change the memorized RDS station.



Confirming/changing the RDS station used by ACCUCLOCK

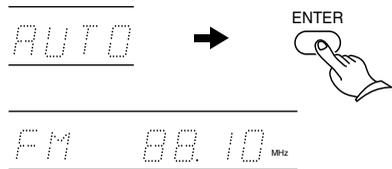
If you wish to know which RDS station has been used to set the clock by ACCUCLOCK, or to use a different RDS station signal to set the clock, follow the steps below:

- 1 Press the **TIMER** button repeatedly until **"ADJUST"** is selected on the display, then press the **ENTER** button.



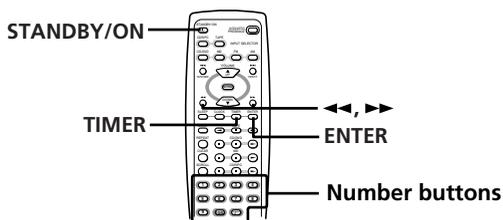
"AUTO" or "MANUAL" appears on the display.

- 2 If **"AUTO"** appears on the display, press the **ENTER** button. If **"MANUAL"** appears on the display, press the **◀** or **▶** button to select **"AUTO,"** then press the **ENTER** button.



The example shown above indicates that the ACCUCLOCK function uses the RDS station whose information appears on the display (FM 88.10 MHz). If the frequency of the RDS station has not been specified, "--:--" appears instead of the frequency of the station. If you wish to change the selected RDS station or if no RDS station is selected, choose the desired RDS station by using the **◀** or **▶** button, then press the **ENTER** button.

Setting the Clock



Setting the clock manually

- The explanation in this section assumes that the unit has been powered on (set to "Stand-by On"). This section explains how to set the clock using the 24-hour display. However, you can later change this setting to the 12-hour display.
- The display indicator turns off if you do not operate any buttons for more than one minute during the clock setting procedure.
- The display indicator turns off if a power outage occurs or if the power cord is disconnected from an AC outlet after you set the clock. In this case, re-set the clock.
- To use the clock function, be sure to connect the power cord to the AC outlet that provides an uninterrupted current flow.

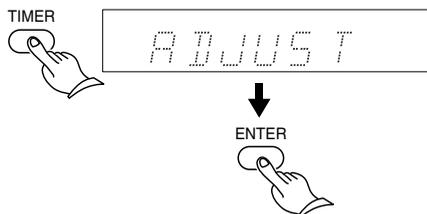
- If you do not operate any buttons for about eight seconds after you press the TIMER button, the display returns to the previous indication.
- "AUTO" or "MANUAL" appears on the display in Standby mode. If "MANUAL" appears on the display, press the ENTER button. If "AUTO" appears on the display, press the ◀◀ or ▶▶ button to select "MANUAL," then press the ENTER button. The day of the week will flash on the display.

1 Press the STANDBY/ON button.



The STANDBY indicator goes out.

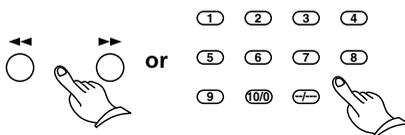
2 Press the TIMER button until "ADJUST" is selected on the display, then press the ENTER button.



The day of the week will flash on the display.

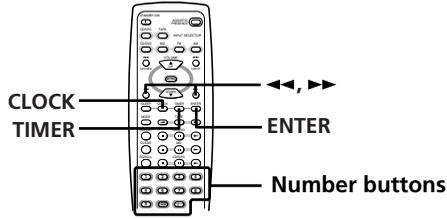
3 Press the ◀◀ or ▶▶ button or the number buttons until the desired day of the week is selected, then press the ENTER button.

The time will flash on the display.

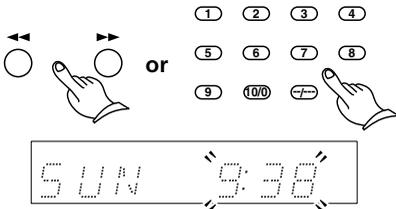


The number buttons on the remote controller:

- | | | | |
|--------|--------|--------|--------|
| 1: SUN | 3: TUE | 5: THU | 7: SAT |
| 2: MON | 4: WED | 6: FRI | |



4 Use the ◀◀ or ▶▶ button or the number buttons to set the desired time.



Entering the time value using the number buttons on the remote controller:

To set 9:38 am, press 10/0, 9, 3, 8, then ENTER.

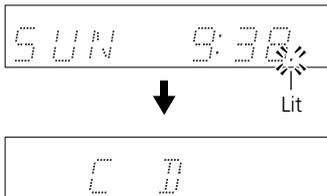
To set 11:00 am, press 1, 1, 10/0, 10/0, then ENTER.

* "10/0" stands for "0."

5 Press the ENTER button.



The clock will start operating.



The day/time indicator on the display changes to the input indicator.

After you set the clock while the unit is in Stand-by Off mode, pressing the ENTER button causes the display indicator to turn off.

Tip

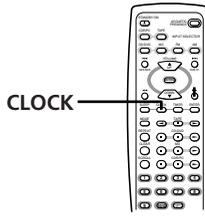
Switching between the 24 hour and 12 hour display settings:

1. Press the TIMER button repeatedly to display "24H/12H."
2. Press the ENTER button.
3. Use the ◀◀ or ▶▶ button to select 24H (24 hour display) or 12H (12 hour display).
4. Press the ENTER button to confirm the setting.

Notes

- To use the number buttons instead of the ◀◀ or ▶▶ button to set the desired day of the week and time, select the 24-hour display. If you select the 12-hour display, you cannot use the number buttons to set the day and time.
- The ACCUCLOCK function is disabled if you set the clock manually. If you wish to enable the ACCUCLOCK function, refer to the previous RDS section "Confirming/changing the RDS station used by ACCUCLOCK".

Setting the Clock



Clock Call function

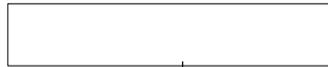
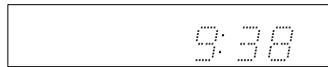
1 Press the **CLOCK** button to display the time, press again to cancel the time display.



Note

If the time has not been set, "ADJUST" will flash on the display.

While the unit is in Standby/Off mode:



Turns off in five seconds.

While the power to the unit is turned on:



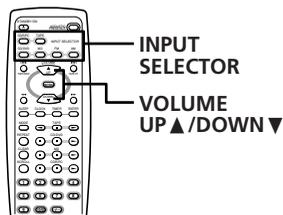
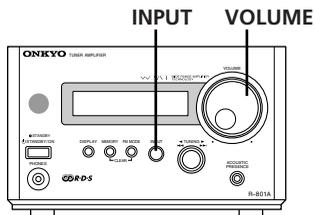
When you press the **CLOCK** button, the day/time indicator appears.

- To return to the previous display, press the **CLOCK** button again.
- You can also press the **DISPLAY** button on the main unit to return to the previous display. (See page 37.)

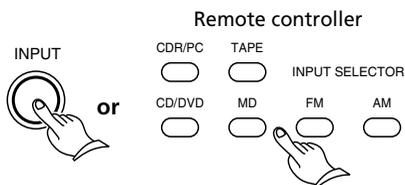
When you press the **CLOCK** button, the time indicator appears. (The indicator is darker than it is while the unit is turned on.)

The time indicator turns off in five seconds. (Energy save)

Choosing the required source



1 Press the **INPUT** button repeatedly or the **INPUT SELECTOR** buttons on the remote controller to select the source you wish to listen to lights.



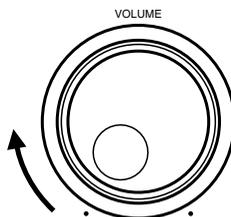
The name of the selected source appears on the display in the following order:



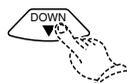
2 Start playing the source you selected in step 1.

3 Set the volume to appropriate level using the **VOLUME** control or the **VOLUME ▲ (up)/ ▼ (down)** buttons on the remote controller.

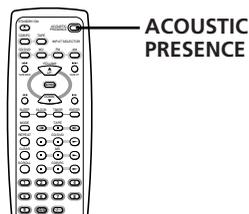
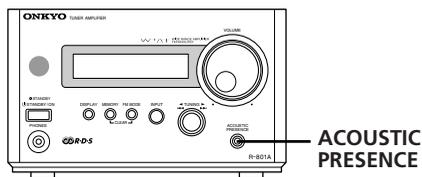
Turn the **VOLUME** control clockwise to increase the volume or counterclockwise to decrease the volume.



or



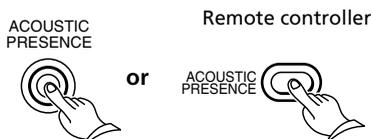
Adjusting the sound



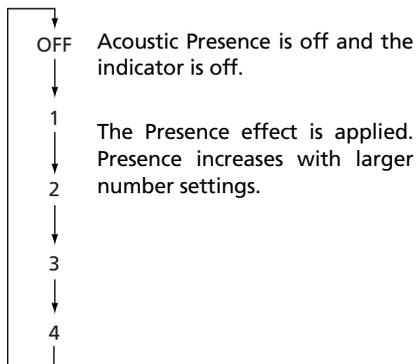
ACOUSTIC PRESENCE

Acoustic Presence adds realness to music through the use of exclusive Onkyo circuitry. Presence settings 1, 2, 3 and 4 are ideally suited for use with compact speakers.

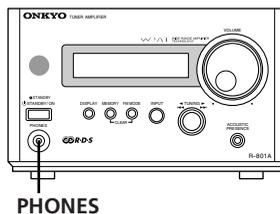
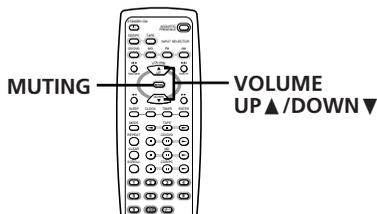
Press the **ACOUSTIC PRESENCE** on the unit or the remote controller.



If you press the **ACOUSTIC PRESENCE** button while Acoustic Presence is off, the indicator lights up orange.



Muting/Listening with the headphones

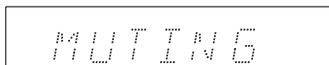


Muting the sound

Press the **MUTING** button on the remote controller to mute the sound.

The **MUTING** indicator appears on the display.

To restore the sound, press the **MUTING** button again.



Tip

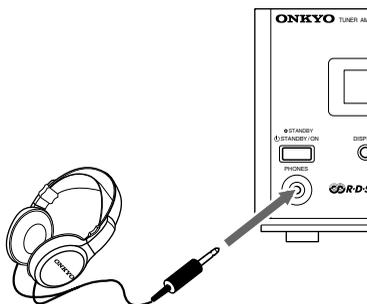
During muting:

- if you press the **VOLUME ▲** or **VOLUME ▼** button on the remote controller, the **MUTING** indicator disappears then the sound will be restored, and
- if you turn off the unit, and turn it on again, the sound will be restored.

Listening with the headphones

Connect the stereo headphones mini plug to the **PHONES** jack.

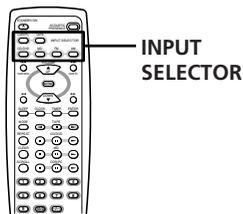
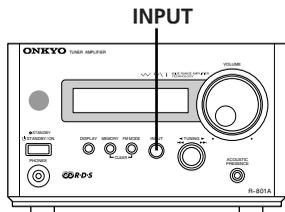
The speakers will reproduce no sound while the headphones are connected.



Tip

You can adjust the sound through the headphones as well as through the speakers. See "Adjusting the sound" on the previous page for operations.

Recording



Before recording

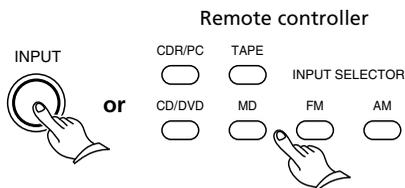
Refer to the instruction manuals of the related components for detailed recording operations.

Note

Do not press the INPUT button during recording.

1 Press the INPUT button repeatedly to select the source you wish to record from lights.

Or press the INPUT SELECTOR button on the remote controller.

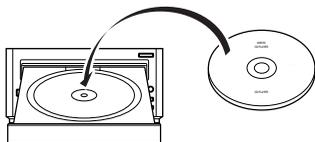


The name of the selected source appears on the display in the following order:



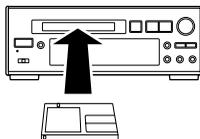
2 Prepare the playing source.

e.g. Insert the CD you want to record from into the CD player.



3 Prepare the recording component.

e.g. 1 Insert an MD into the MD recorder.

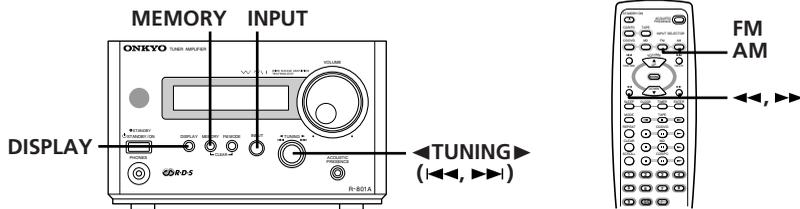


e.g. 2 Insert a CD-R into the CD recorder.



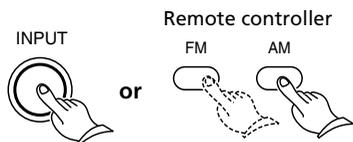
4 Start recording with the component prepared in step 3, then start playing the source prepared in step 2.

Receiving stations

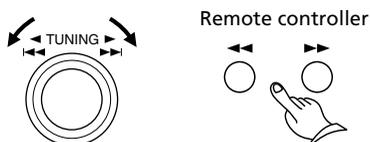


Tuning the radio

- 1 Select FM or AM using the INPUT button or the FM or AM button on the remote controller.



- 2 Use the TUNING (I-◀/▶I) control to change the frequency.



The indoor antenna should be installed on a wall or other surface in the position which gives the best reception. For more information on how to install the antenna, refer to page 17, 19.

Display Options:

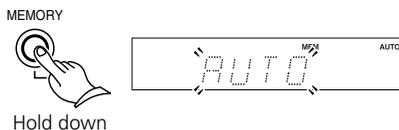
When you are listening to radio broadcasts, the display usually shows the radio frequency of the selected station. You can, however, change to the current time or character information for the selected station. To do so, press the DISPLAY button repeatedly until the desired indication appears.

For more information on how to enter character information, see "Naming a preset station" on page 34.

Using Auto Memory (FM only)

This function enables you to store the frequencies into memory automatically, without having to go through and store each frequency manually.

- 1 In FM mode, hold down the MEMORY button for a few seconds. The "MEM" (MEMORY) indicator appears on the display and "AUTO" will start flashing on the display. Keep holding down the button for a few more seconds to start the Auto Memory function.



Hold down

The frequencies are scanned from low to high. Up to 20 FM stations with the best signal quality are selected, sorted in order from low to high frequency, and stored into the preset memory.

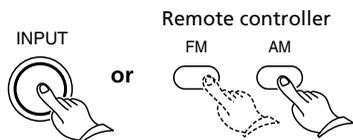
Note

All stations previously stored in memory will be replaced with new Auto Memory stations.

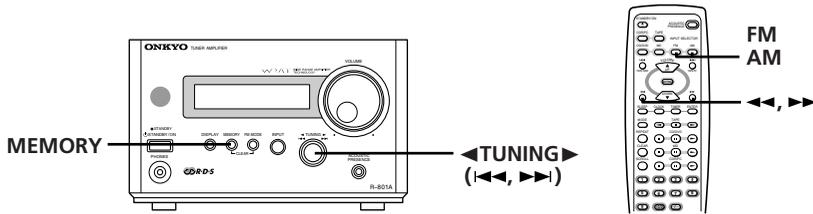
Presetting your favorite stations

You can store your favorite stations in the preset memory. Follow the procedure below:

- 1 Select FM or AM using the INPUT button, or FM or AM button on the remote controller.

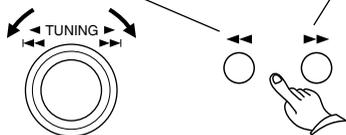


Receiving stations



2 Use the ◀TUNING▶ (◀◀/▶▶) control to select the frequency of your favorite station.

Press and hold down to lower the frequency. Press and hold down to raise the frequency.



The ◀▶ indicator lights up on the display when the broadcasting station is properly tuned in.

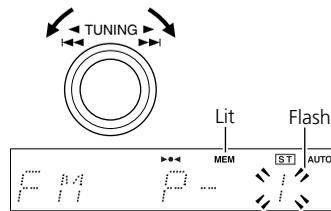
Tuning in FM stations:

Turn and hold the ◀TUNING▶ control to the left or right to start auto-tuning. To change the frequency in 200kHz (50kHz) steps, turn the control left or right during the auto-tuning process.

Tuning in the AM stations:

Turn the ◀TUNING▶ control left or right to change the frequency in 10kHz (9kHz) steps.

The preset number will flash on the display.

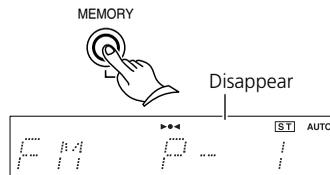


Note

If you select a preset number into which a station has already been programmed, the number will flash rapidly. If you proceed with this number, the original station will be replaced by a new station.

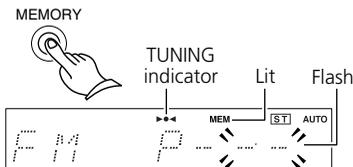
5 While the number is flashing, press the MEMORY button.

The frequency will be stored into the selected preset.



3 Press the MEMORY button.

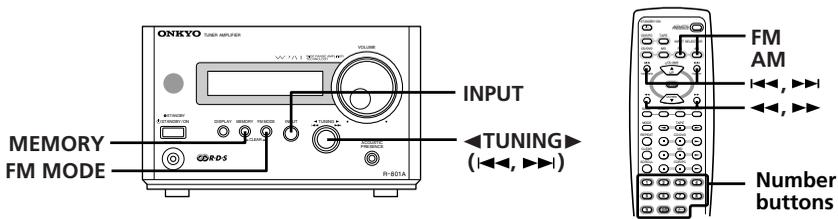
The MEMORY indicator lights up and "....." will flash.



4 While "....." is flashing, use the ◀TUNING▶ (◀◀/▶▶) control to select the preset number into which to store the station frequency.

Notes

- Up to 30 stations can be stored in the preset memory.
- If you try to store more than 30 stations, "FULL" appears on the display and you cannot store any more.
- If the FM station received is an RDS station that has a PS (Program Service Name), the frequency display will change to the PS display. (Refer to page 37 for more information on the RDS function.) RDS reception is available only on the European models.

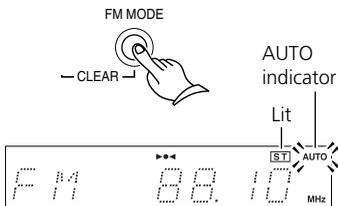


Listening to a stereo radio station

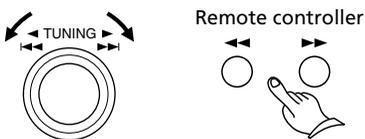
When you tune in a stereo FM station, the **ST** indicator lights up if the signal is sufficiently strong.

If the signal is weak, you can still listen to the station in mono mode. In this case, tune in as follows.

- 1 Press the **FM MODE** button. The "AUTO" indicator lights up.



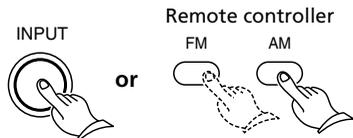
- 2 Select the station you would like to listen to using the **◀TUNING▶** (◀◀/▶▶) or (◀◀/▶▶) button on the remote controller.



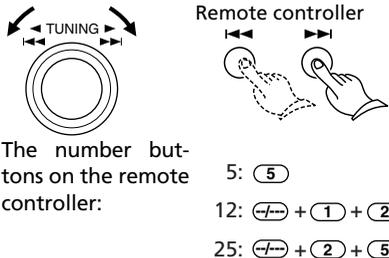
Selecting preset stations

Follow the procedure below to select a preset station stored in memory.

- 1 Select **FM** or **AM** using the **INPUT** button or **FM** or **AM** button on the remote controller.



- 2 Use the **◀TUNING▶** (◀◀/▶▶) or the number buttons on the remote controller to select the desired preset station.

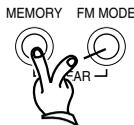


Clearing preset stations

You can clear preset stations from the preset memory.

- 1 Select the station as explained in the previous section.

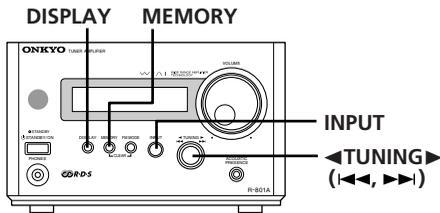
- 2 Press and hold the **MEMORY** button and press the **FM MODE** button within a second. "P--" appears on the display.



Note

If you fail to press the **FM MODE** button while holding down the **MEMORY** button immediately, the **AUTO MEMORY** function will start operating.

Naming a preset station



The following 54 characters can be used:
 _ ABCDEFGHIJKLMNOPQRS
 TUVWXYZ " & ' () * + , - / = ? [\] | 0
 1 2 3 4 5 6 7 8 9

Naming a preset station

You can name the preset stations so that the name, instead of the frequency, appears on the display when you press the DISPLAY button. (For more information, see "Display options" on page 31.)

Note

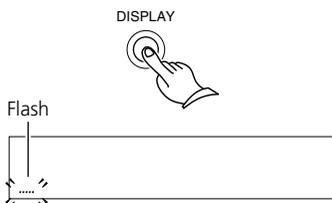
You cannot enter characters for an RDS station that has a program service (PS) name, since the PS name has priority over other character information. (For more information on RDS stations, see page 37.)

- RDS reception is available only on the European models.

1 Select the station you wish to name.
 (See "Selecting preset stations" on page 33.)

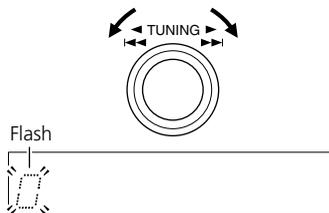
2 Press and hold down the DISPLAY button for more than two seconds.

The R-801A enters character input mode, and "....." flashes on the display.



3 Use the the <TUNING> (◀▶) control to select a character.

The character flashes on the display.

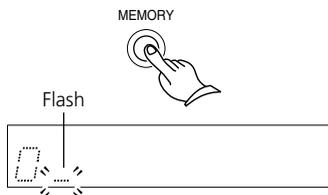


4 Press the MEMORY button to store the character.

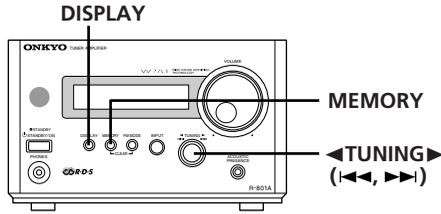
Flashing "....." mark appears next to the stored character.

Repeat the steps 3 and 4 to store more characters. You can store up to 8 characters.

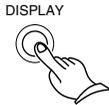
To enter a space between characters, press the MEMORY button. The bar cursor moves on to the next position.



(continued on the next page)



5 When you finish entering all necessary characters, press and hold down the **DISPLAY** button for more than two seconds to complete the operation.



Note

If you have not pressed any button for 16 seconds during the procedure, the operation will complete automatically.

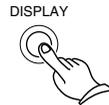
Changing the existing characters

Follow the procedure below to change the existing characters or rename the preset station.

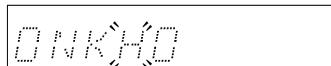
1 Select the station you wish to modify. (See "Selecting preset stations" on page 33.)

2 Press and hold the **DISPLAY** button for a few seconds.

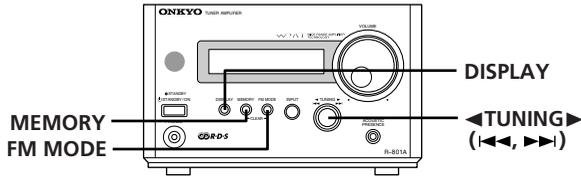
The R-801A enters character input mode, and the first character flashes.



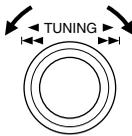
3 Press the **MEMORY** button repeatedly until the character that you want to change flashes.



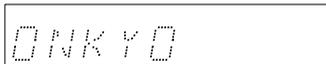
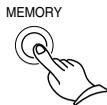
Naming preset stations



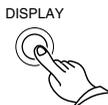
4 Use the ◀TUNING▶ (◀◀/▶▶) control to change the character.



5 Press the MEMORY button to store the character.



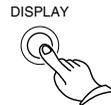
6 Press and hold down the DISPLAY button for more than two seconds to complete the operation.



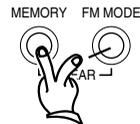
Clearing all names stored in memory

Follow the procedure below to delete the name of the selected preset station.

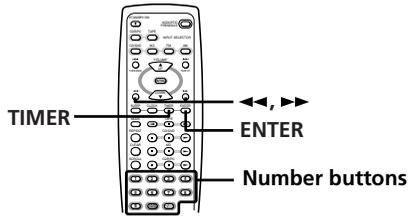
1 Press and hold the DISPLAY button for a few seconds.



2 While holding down the MEMORY button, press and hold the FM MODE button for a few seconds.



The name will be deleted.

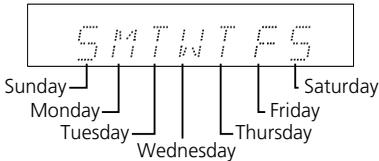


Changing the WEEKDAY and WEEKEND settings

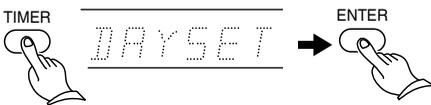
You can define or change which day is WEEKDAY or WEEKEND. You can also define the day as both WEEKDAY and WEEKEND in order to program two timer settings on the same day.

The initial factory settings are:

WEEKDAY : Monday – Friday
 WEEKEND : Saturday and Sunday



1 Press the **TIMER** button repeatedly until "DAY SET" appears on the display, then press the **ENTER** button.

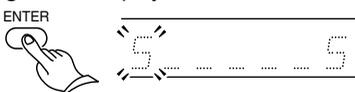


2 Press the **◀** or **▶** button to select "WEEKEND" or "WEEKDAY". "END" or "DAY" flashes.

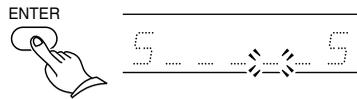


3 Press the **ENTER** button.

The current WEEKDAY or WEEKEND setting will be displayed.



4 Press the **ENTER** button repeatedly to display the flashing bar cursor of the day you wish to select, or simply press the corresponding number buttons.



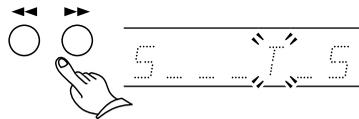
The number button on the remote controller:

- 1:S (Sunday)
- 2:M (Monday)
- 3:T (Tuesday)
- 4: W (Wednesday)
- 5:T (Thursday)
- 6:F (Friday)
- 7:S (Saturday)

Note

To use the number buttons, select the 24-hour display. If you select the 12-hour display, you cannot use the number buttons to set the day.

5 Press the **◀** or **▶** button to display the desired day of the week, and press the **ENTER** button.

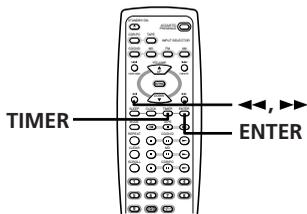


Pressing the **◀** or **▶** button repeatedly toggles between the day indication and the bar cursor (.....).

6 Press the **ENTER** button repeatedly to display the flashing character or bar cursor at the right end and press the **ENTER** button, the unit completes the setting.

After you set the timer while the unit is in Stand-by Off mode, pressing the **ENTER** button turns off the display indicator.

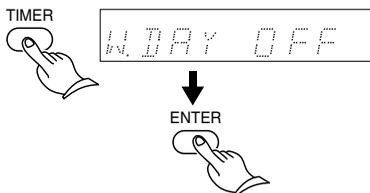
Using the timer



Programming to play at a specified time

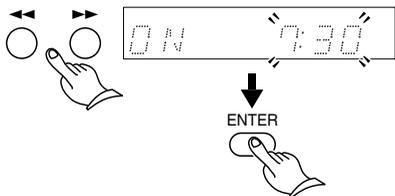
Before using the timer for listening to or recording broadcast programs, you need to store the preset stations. (Refer to "Receiving stations" on page 31, 32 for information how to preset stations.)

1 Press the **TIMER** button repeatedly until "W.DAY OFF" or "W.END OFF" is displayed, and press the **ENTER** button.



"ON" and "OFF" indicate whether the timer is currently set. The initial setting is "OFF."

2 Press the **◀** or **▶** button to set the **ON** time, and press the **ENTER** button.

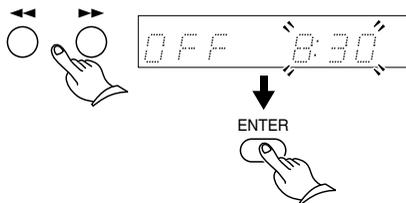


Notes

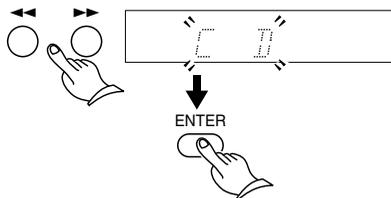
- You can also use the number buttons instead of the **◀** or **▶** button to set the desired playing ON and OFF times. To do so, refer to step 3 on page 24 and select the 24-hour display. You cannot use the number buttons if you select the 12-hour display.

- When you store the ON time, the display automatically indicates that the OFF time is one hour after the ON time you specified.

3 Press the **◀** or **▶** button to select the **OFF** time, and press the **ENTER** button.



4 Press the **◀** or **▶** button to select the source (FM, AM, CD (or DVD), MD, CDR, TAPE), and press the **ENTER** button.

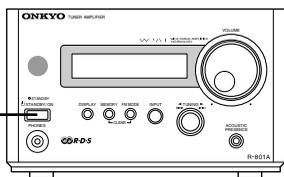


If you select "FM" or "AM", press the **◀** or **▶** button again to select the preset number and press the **ENTER** button.

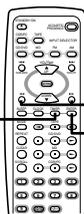
If you select "CDR," the display indicates "CDR/PC" at the programmed time.

(continued on the next page)

STANDBY/ON



TIMER



ENTER

If you select an input source that is not connected to the R-801A, the power is turned on to the unit at the programmed time and the input source is switched, but nothing will happen.

5 Press the STANDBY/ON button on this unit to set the Standby mode.

Lit STANDBY
 STANDBY/ON



Notes

- After you set the timer and the unit is in Stand-by Off mode, pressing the ENTER button turns off the display indicator.
- The clock of this unit must be set correctly before programming the timer.
- Make sure that the specified source component is connected to this unit, and that the CD, MD, CDR, or cassette tape has been inserted into the appropriate component.

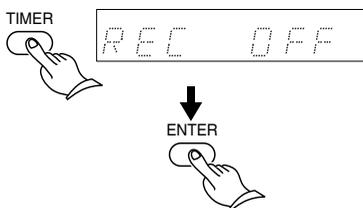
Programming to record at a specified time

REC mode of the Timer function enables you to record a specified source at a specified time.

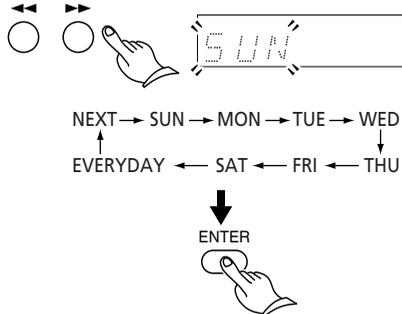
Note

To perform timer recording to a mini disc, you need to use an MD recorder that features the **RI** mark, such as the MD-101A.

1 Press the TIMER button repeatedly until "REC OFF" appears on the display, then press the ENTER button.



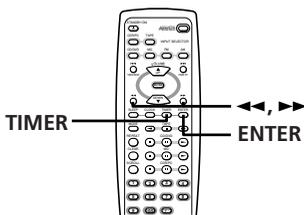
2 Press the ◀ or ▶ button to select the day of the week or "EVERYDAY" for recording, and press the ENTER button.



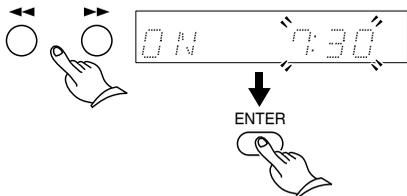
Notes

- You can select "NEXT" instead of the day of the week. If you do so, recording will start at the next occurrence of the indicated time.
- If you select "EVERYDAY," timer recording will start at the designated time everyday. (This is useful when you wish to record a daily radio program show.)

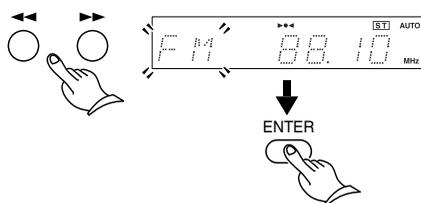
Using the timer



3 Press the ◀◀ or ▶▶ button to set the ON time, and press the ENTER button.



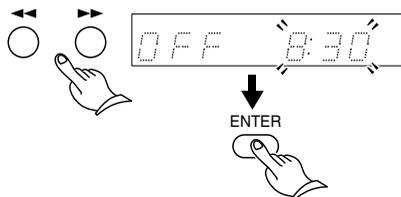
5 Press the ◀◀ or ▶▶ button to select the source (FM, AM, LINE/DVD), and press the ENTER button.



Notes

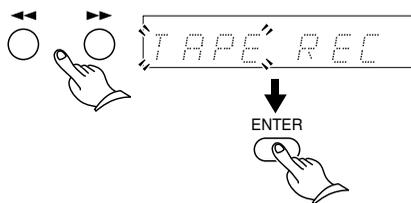
- You can also use the number buttons instead of the ◀◀ or ▶▶ button to set the desired recording ON and OFF time. To do so, refer to step 3 on page 24 and select the 24-hour display. You cannot use the number buttons if you select the 12-hour display.
- When you use the timer to record to the MD recorder, the data may not be recorded for a few seconds at the start of the recording. In this case, set the recording start time about a minute early.
- When you store the ON time, the display automatically indicates that the OFF time is one hour after the ON time you specified.

4 Press the ◀◀ or ▶▶ button to set the OFF time, then press the ENTER button.



If you select "FM" or "AM", press the ◀◀ or ▶▶ buttons again to select the preset number, then press the ENTER button.

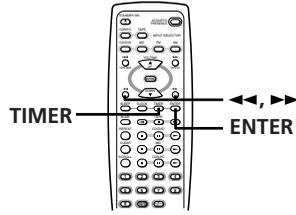
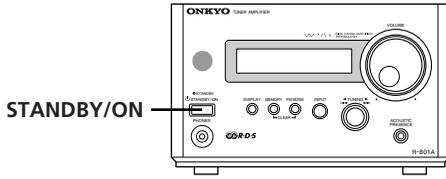
6 Press the ◀◀ or ▶▶ button to select the recording component (TAPE REC, MD REC, or MD/TAPE), and press the ENTER button.



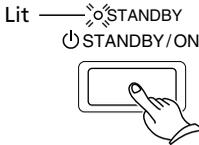
Notes

- After you set the timer while the unit is in Stand-by Off mode, pressing the ENTER button turns off the display indicator.
- When you record analog FM or AM signals to an MD recorder, be sure to use Analog In on the MD recorder.

(continued on the next page)



7 Press the **STANDBY/ON** button on this unit to set the Standby mode.



Note

Since muting is automatically turned on when the timer is used to record, the sound cannot be heard during recording. To monitor recording, press the **MUTING** button on the remote controller to cancel muting.

Switching the timer ON/OFF

You can switch the timer **ON/OFF** to cancel the timer setting, to enable the timer again, or to perform timer recording again.

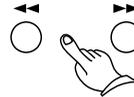
Note

To switch the timer **ON**, first you need to program the time value.

1 Press the **TIMER** button repeatedly until the timer mode (**W.DAY ON** (or **OFF**), **W.END ON** (or **OFF**) or **REC ON** (or **OFF**)) that you wish to enable.



2 Press the **◀** or **▶** button to switch the selected mode **ON** or **OFF**.



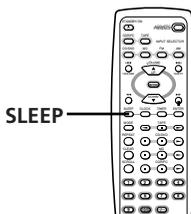
Note

Pressing the **ENTER** button without pressing the **◀** or **▶** button enables you to set the recording start time and other parameters.

3 Press the **ENTER** button to confirm the selection.



Using the timer



Sleep function

The Sleep function can be performed only by using remote controller.

The SLEEP timer automatically sets the entire system to Standby mode after a specified period of time.

1 Start playing something you would like to listen to.

(CD, tape, MD or radio broadcast).

2 Press the SLEEP button repeatedly to set the desired sleep time.



The time value will decrease from 90 minutes to 10 minutes in steps of 10 minutes. After a specified period of time, the unit will be automatically placed in Standby mode.

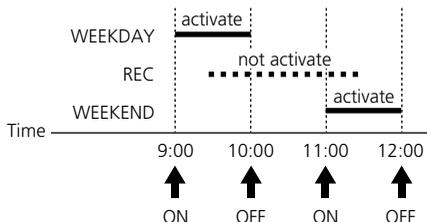
- To check the remaining time while the SLEEP function is active, press the SLEEP button.
- After CD dubbing is complete, the unit will be placed in Standby mode.

Cancelling the SLEEP setting

Press the SLEEP button repeatedly until the SLEEP indicator on the display disappears.

Notes for timer setting

- Make sure that the clock has been set correctly before setting the timer.
- After setting the timer, be sure to set this unit in Standby mode. If this unit is not in Standby mode, the timer will not work.
- When the power is turned on by one of the timer mode settings, the other timer modes may not be activated at their ON time. The power will be switched off by the first timer mode at its OFF time. Set a gap of one minute or more between the OFF time and ON time for each timer setting. (See the figure below.)
- If you press the SLEEP button during timer play or timer recording, the power will be switched off at the SLEEP timer's OFF time.
- If more than two timer mode settings are made at the same time, the "WEEKDAY" setting has the priority over the "WEEK-END" setting. The "REC" mode setting has no priority.
- The timer recording setting will be cancelled if the recording does not start at the ON time (for example, if the power is already on).

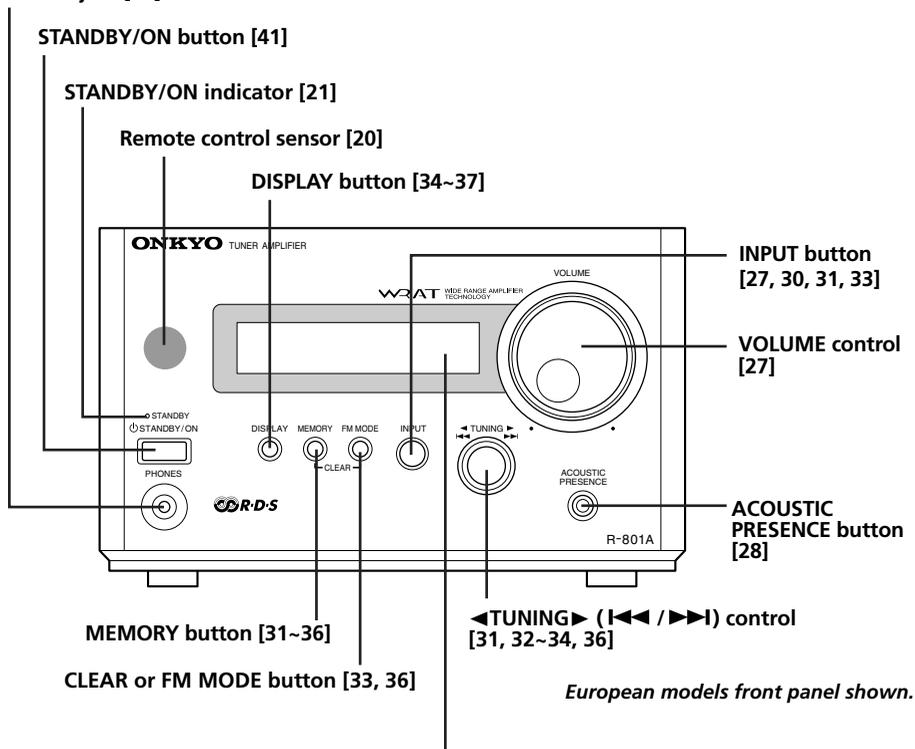


Index to parts and controls

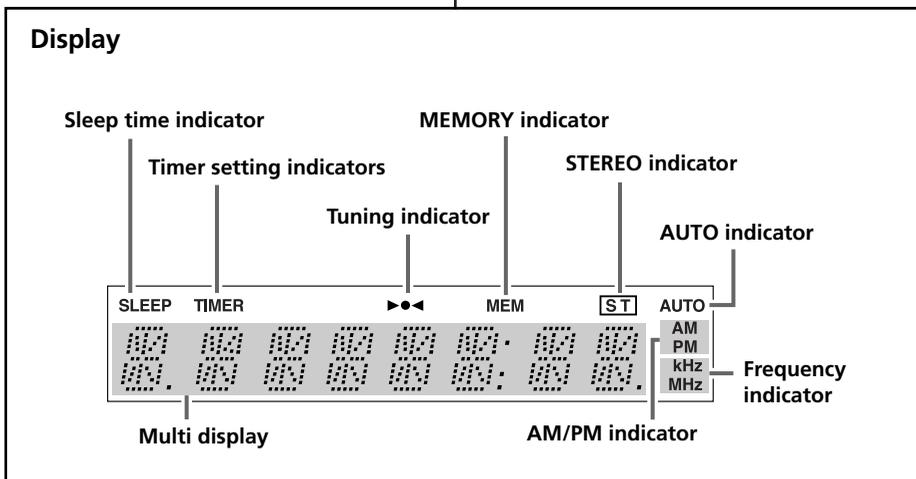
Front panel

For more information about buttons, turn to the page number in the brackets [].

PHONES jack [29]



Display



Index to parts and controls

Remote controller

- You can control the other **RI**-connected components with the supplied remote controller.
- The remote controller buttons operate in the same way as the buttons on each component with the same indication.

For actual operations, please refer to the Instruction Manual for each component.

STANDBY/ON button

Toggles between STANDBY and ON.

◀◀/▶▶ buttons

Tuner preset select buttons.

◀▶/▶▶ buttons

Enables you to select a parameter after you press the **TIMER** button. Press the **ENTER** button to confirm the selection.

SLEEP button

Enables you to make the Sleep time setting.

MODE button

Mode Select buttons

CLOCK button

Press this button to display the current time.

TIMER button

Pressing this button repeatedly to select one of the following eight settings.

WEEKDAY : Timer playback on the specified day(s) of the week.

WEEKEND : Timer playback on the specified day(s) of the week.

REC : Timer record setting

DAYSET : Sets the day of the week (**WEEKDAY** & **WEEKEND**).

ADJUST : Sets the current time and the day of the week.

24H/12H : Enables you to select 24-hour display or 12-hour display by pressing the **ENTER** button and using the

◀▶/▶▶ buttons.

INPUT SELECTOR buttons

Enables you to select a listening source.

ACOUSTIC PRESENCE button

Switches acoustic presence off and types.

VOLUME ▲/▼ buttons

Enables you to increase or decrease the volume level.

MUTING button

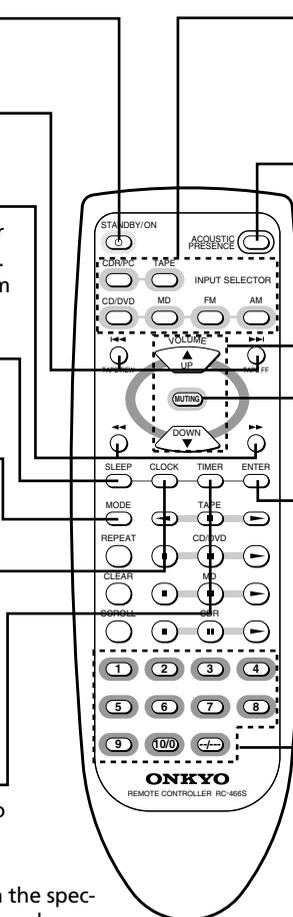
Mutes the sound temporarily.

ENTER

Press this button to confirm the selection made via the **TIMER**, ◀▶ or ▶▶ button.

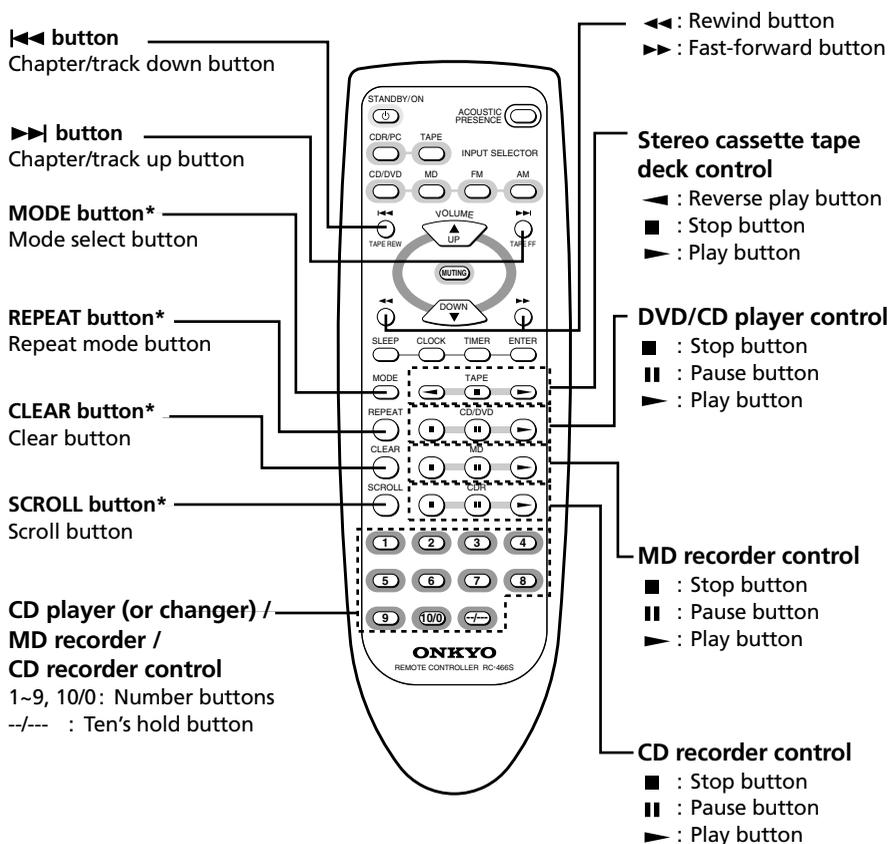
Number buttons

Used to set the time/day and select the PRESET stations.



Remote controller

Use the following buttons to control components that are connected to the **RI**-system.



- Buttons marked with an asterisk (*) can be used to control components that are connected to the **RI**-system. For actual operations, please refer to the Instruction Manual for each component.

Troubleshooting

If you have any problems with the unit, please check the troubleshooting table below first. For any problems not covered in the table, please consult your nearest ONKYO authorized service center.

Symptom	Cause	Remedy
The unit doesn't turn on.	<ul style="list-style-type: none">• The AC power cord is not fully inserted into the wall outlet.	<ul style="list-style-type: none">• Insert the AC power cord (mains lead) plug into the wall outlet (the mains) securely.
Sound is reproduced from neither left or right speaker.	<ul style="list-style-type: none">• The wire of the speaker cord is touching the other jacks, connectors, or metal parts.• The volume level is turned down to the minimum.• The sound is muted with the muting function.• The headphones are connected to the PHONES jack.• The audio signal is not being input from the connected CD player or MD recorder.• Timer recording is in process.	<ul style="list-style-type: none">• Check the speaker connections (see page 16).• Adjust the volume level (see page 27).• Press MUTING button on the remote controller to restore the sound (see page 29).• Turn down the volume level first, then disconnect the headphones. Then, readjust the volume level.• Check the connected CD player or MD recorder.• During timer recording, the sound is muted. If you wish to listen to the sound, press the MUTING button on the remote controller to cancel mute.
Sound is reproduced from only one speaker.	<ul style="list-style-type: none">• The speaker cord is not connected properly or firmly, or is disconnected.	<ul style="list-style-type: none">• Check the speaker connections (see page 16).
No sound is reproduced when the (wake-up) timer operates.	<ul style="list-style-type: none">• The volume level is turned down to the minimum.	<ul style="list-style-type: none">• Adjust the volume to the proper level when you set the timer (see page 27).
The remote control doesn't operate.	<ul style="list-style-type: none">• The batteries in the remote controller are dead.• The remote controller is out of the control range.• There is some obstruction between the remote controller and the unit.	<ul style="list-style-type: none">• Replace the batteries with new ones (see page 20).• Operate the remote controller within the control range (see page 20).• Try to operate the remote controller from a different angle, or remove the obstruction.

Symptom	Cause	Remedy
AM stations cannot be received.	<ul style="list-style-type: none"> • AM loop antenna is not attached. 	<ul style="list-style-type: none"> • Connect the supplied AM loop antenna to the AM antenna terminals.
Buzzing noise on AM (particularly conspicuous at night or with weak stations).	<ul style="list-style-type: none"> • Noise from electrical apparatus such as fluorescent lamp. 	<ul style="list-style-type: none"> • Move the AM loop antenna to different position. • Set up an outdoor AM antenna.
High-pitched noise or buzzing noise on AM.	<ul style="list-style-type: none"> • Noise from TV set. 	<ul style="list-style-type: none"> • Place the AM loop antenna as far as possible from the TV. • Move unit away from TV set.
Crackling noise on AM, FM.	<ul style="list-style-type: none"> • Noise caused by turning a fluorescent lamp on and off. • Noise from automobile ignition. 	<ul style="list-style-type: none"> • Move the antenna as far away as possible from the fluorescent lamp. • Install an outdoor FM antenna as far away as possible from the road.
Tuning indicators and [ST] indicator light but sound is distorted and separation is bad.	<ul style="list-style-type: none"> • Station is too strong. • Multiple reflection of the radio waves because of tall buildings or mountains. 	<ul style="list-style-type: none"> • Change to FM indoor antenna. • Use antenna that has better directivity and select a point with the least distortion.
Tuning indicators and [ST] indicator flicker and hiss is heard on FM.	<ul style="list-style-type: none"> • Station is too weak. • Stereo FM broadcasts cover only about half the distance of an ordinary broadcast. 	<ul style="list-style-type: none"> • Install an outdoor FM antenna. • Change the position or direction of the outdoor antenna. • Switch to mono reception. (Even stereo broadcasts will be heard in mono.)
No station or undesired station is recalled when a Pre-set button is pressed.	<ul style="list-style-type: none"> • The power cord has been unplugged for a long time. 	<ul style="list-style-type: none"> • The memory contents are lost if the power is not turned on and off a few times each month. Store all stations in the memory again and remember to turn the power on and off a few times each month.
The RDS function does not work.	<ul style="list-style-type: none"> • The station is not an RDS station. • The reception station signal is too weak. • Too much interference. 	<ul style="list-style-type: none"> • Receive an RDS station. • Install an outdoor FM antenna. • Change the position or direction of the outdoor antenna. • Move the antenna as far away as possible from fluorescent lamps. • Install an outdoor FM antenna.
ACCUCLOCK function does not work.	<ul style="list-style-type: none"> • The station is not an RDS station, or received signal is too weak. • RDS broadcasts cannot be received. 	<ul style="list-style-type: none"> • See the remedies for the RDS function problem above. • Set and adjust according to instructions above.

- Excessive electrical interference may temporarily render this system's sensitive microcomputer inoperable. If this happens, unplug the system for at least five seconds.

Specifications

Amplifier Section

Power output

17 watts per channel, min RMS, at 4 ohms, both channels driven 1 kHz, with no more than 0.8% THD

13 watt per channel, min RMS, at 8 ohms, both channels driven 1 kHz, with no more than 0.8% THD

2 X 17 watts at 4 ohms, 1 kHz, DIN

2 X 15 watts at 6 ohms, 1 kHz, DIN

2 X 13 watts at 8 ohms, 1 kHz, DIN

2 X 24 watts at 4 ohms, 1 kHz, EIAJ

Dynamic power output

2 X 21 watts at 4 ohms

2 X 14 watts at 8 ohms

Total harmonic distortion

0.8% at rated power

IM distortion

0.8% at rated power

Damping factor

20 at 8 ohms

Input Sensitivity and Impedance

TAPE, MD, CD/DVD, CDR/PC:

150 mV, 50 kohms

Frequency and response

10 to 100 kHz ± 3 dB

Tone control

ACOUSTIC PRESENCE 1

+4.5 dB at 41 Hz

ACOUSTIC PRESENCE 2

+5.5 dB at 82 Hz

ACOUSTIC PRESENCE 3

+6 dB at 41 Hz, + 6 dB at 82 Hz

ACOUSTIC PRESENCE 4

+6 dB at 41 Hz, + 6 dB at 82 Hz,

+5 dB at 10 Hz

Signal to noise ratio

TAPE: 100 dB (IHF-A)

Muting

$-\infty$ dB

Tuner Section

Tuning range

FM: 87.9 to 107.9 MHz (200 kHz steps)
(U.S. & Canadian models)

87.5 to 108.00 MHz (50 kHz steps)
(Other area models)

AM: 530 to 1710 kHz (10 kHz steps)
(U.S. & Canadian models)

522 to 1611 kHz (9 kHz steps)
(Other area models)

Usable sensitivity

FM: Mono 11.2 dBf,
1.0 μ V (75 ohms IHF)
0.9 μ V (75 ohms DIN)

Stereo 17.2 dBf,
2.0 μ V (75 ohms IHF)
23.0 μ V (75 ohms DIN)

AM: 30 μ V

50 dB Quieting sensitivity

FM: Mono 17.2 dBf, 2.0 μ V (75 ohms)

Stereo 37.2 dBf, 20.0 μ V (75 ohms)

Capture ratio

FM: 2.0 dB

Image rejection ratio

FM: 40 dB (U.S. & Canadian models)

85 dB (Other area models)

AM: 40 dB

IF rejection ratio

FM: 90 dB

AM: 40 dB

Signal to noise ratio

FM: Mono 73 dB, IHF

Stereo 67 dB, IHF

AM: 40 dB

Selectivity

FM: 50 dB DIN
(± 300 kHz at 40 kHz Devi.)

AM Suppression Ratio

50 dB

Harmonic distortion

FM: Mono 0.2%

Stereo 0.3%

AM: 0.7 %

Frequency response

FM: 30 to 15,000 Hz (± 1.5 dB)

Stereo separation

FM: 45 dB at 1,000 Hz

30 dB at 100 to 10,000 Hz

Stereo threshold

FM: 17.2 dBf, 2.0 μ V (75 ohms)

General**Clock precision**

monthly error: +/-30 seconds
(at 25 degrees Celsius)

Power supply

AC 120 V, 60 Hz

AC 230-240 V, 50 Hz

AC 220-230 V, 50 Hz/60 Hz

Power consumption

44 W

Dimensions (W X H X D)

155 X 94 X 285 mm

6-1/8" X 3-1/16" X 11-1/4"

Weight

2.9 kg, 6.4 lbs

Specifications and external appearance are subject to change without notice as a result of product improvement.

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