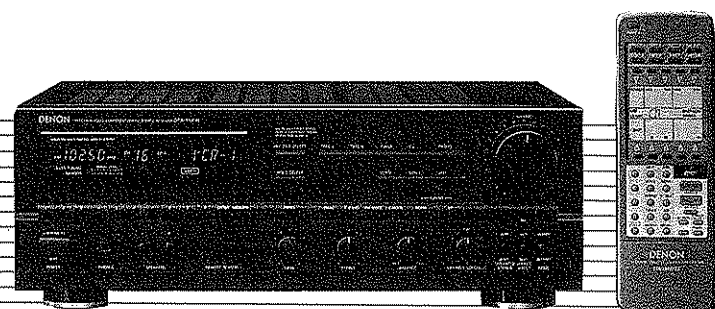


# DENON

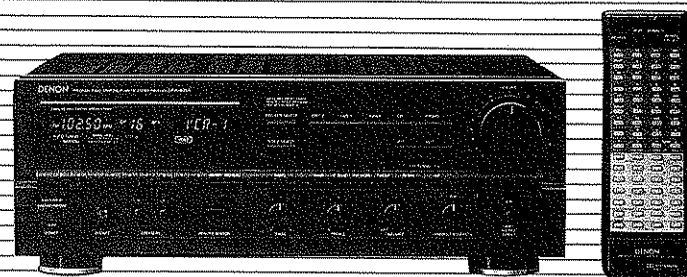
AM-FM STEREO RECEIVER

## DRA-1035R / 835R / 635R

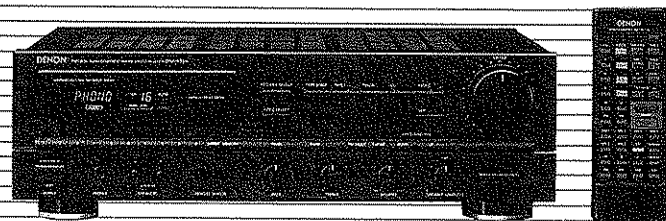
OPERATING INSTRUCTIONS  
MODE D'EMPLOI



DRA-1035R



DRA-835R

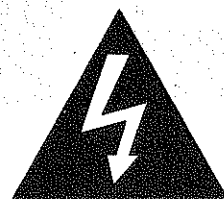


DRA-635R

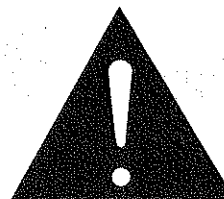
FOR ENGLISH READERS  
POUR LES LECTEURS FRANCAIS

PAGE 4 ~ PAGE 26  
PAGE 27 ~ PAGE 51

"SERIAL NO. \_\_\_\_\_  
PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE  
CABINET FOR FUTURE REFERENCE"



**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**



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



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



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

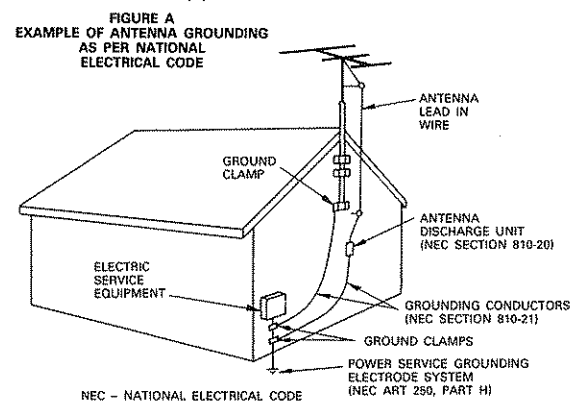
**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

**CAUTION**  
 TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

**ATTENTION**  
 POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

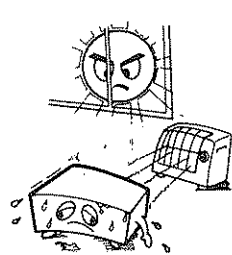
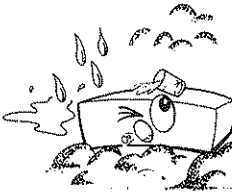
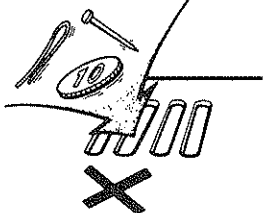
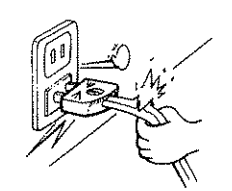
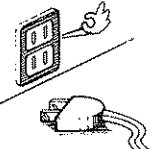
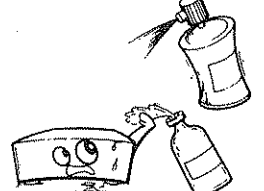
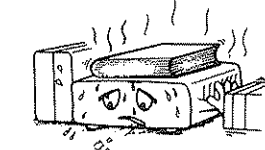

# SAFETY INSTRUCTIONS

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. Water and Moisture – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A. 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.
7. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization – The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
12. 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.
13. Protective Attachment Plug – The appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
14. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
15. Power Lines – An outdoor antenna should be located away from power lines.
16. Outdoor Antenna Grounding – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect 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 A.
17. Nonuse Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
18. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
19. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled into the appliance; or
  - C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - E. The appliance has been dropped, or the enclosure damaged.



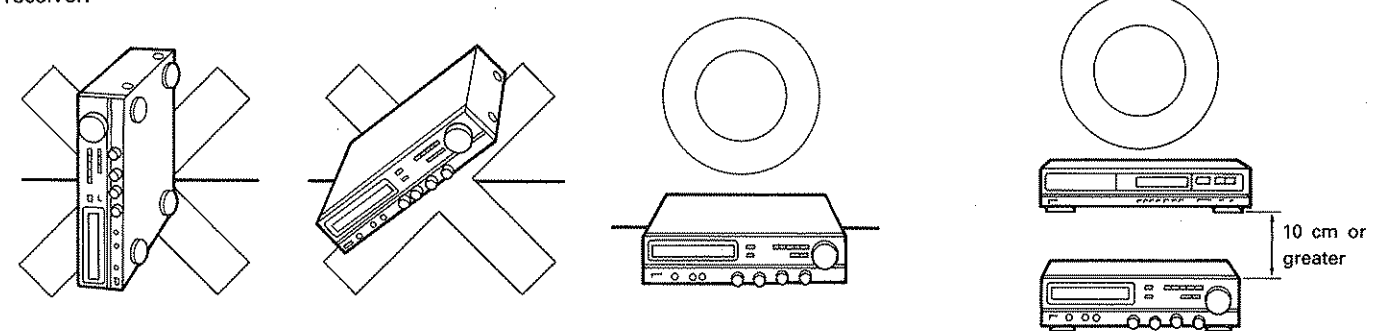
20. Servicing – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

NOTE ON USE/OBSERVATIONS RELATIVES A L'UTILISATION

 <ul style="list-style-type: none"> <li>• Avoid high temperatures Allow for sufficient heat dispersion when installed on a rack.</li> <li>• Eviter des températures élevées Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.</li> </ul>	 <ul style="list-style-type: none"> <li>• Keep the set free from moisture, water, and dust.</li> <li>• Protéger l'appareil contre l'humidité, l'eau et la poussière.</li> </ul>	 <ul style="list-style-type: none"> <li>• Do not let foreign objects in the set.</li> <li>• Ne pas laisser des objets étrangers dans l'appareil.</li> </ul>
 <ul style="list-style-type: none"> <li>• Handle the power cord carefully. Hold the plug when unplugging the cord.</li> <li>• Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon.</li> </ul>	 <ul style="list-style-type: none"> <li>• Unplug the power cord when not using the set for long periods of time.</li> <li>• Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.</li> </ul>	 <ul style="list-style-type: none"> <li>• Do not let insecticides, benzene, and thinner come in contact with the set.</li> <li>• Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.</li> </ul>
	 <p>*(For sets with ventilation holes)</p> <ul style="list-style-type: none"> <li>• Do not obstruct the ventilation holes.</li> <li>• Ne pas obstruer les trous d'aération.</li> </ul>	 <ul style="list-style-type: none"> <li>• Never disassemble or modify the set in any way.</li> <li>• Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.</li> </ul>

INSTALLATION PRECAUTIONS

Install the DRA-1035R/835R/635R horizontally. Leave at least 10 cm of space between this unit and other components on top of the receiver.



DRA-1035R

Please check to make sure the following items are included with the receiver in the carton:

- (1) Operating Instructions ..... 1
- (2) AM Loop Antenna ..... 1
- (3) FM Antenna ..... 1
- (4) FM Antenna Adapter ..... 1
- (5) Remote Control Unit RC-770 ..... 1
- (6) R03/AAA Dry Cell Battery ..... 4

DRA-835R

Please check to make sure the following items are included with the receiver in the carton:

- (1) Operating Instructions ..... 1
- (2) AM Loop Antenna ..... 1
- (3) FM Antenna ..... 1
- (4) FM Antenna Adapter ..... 1
- (5) Remote Control Unit RC-137 ..... 1
- (6) R6P/AA Dry Cell Battery ..... 2

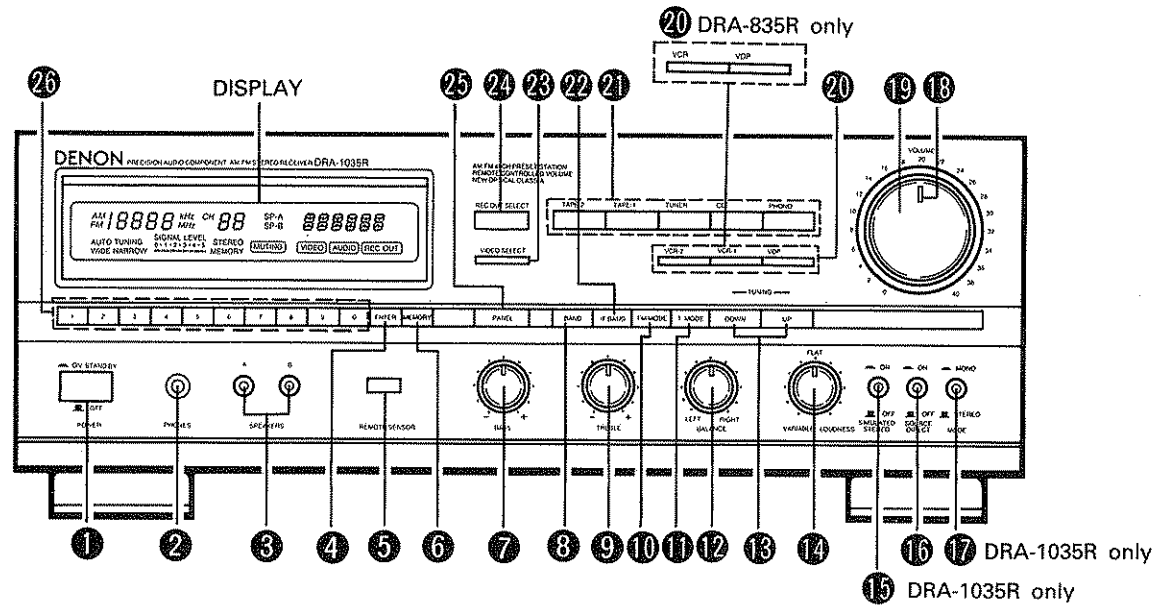
DRA-635R

Please check to make sure the following items are included with the receiver in the carton:

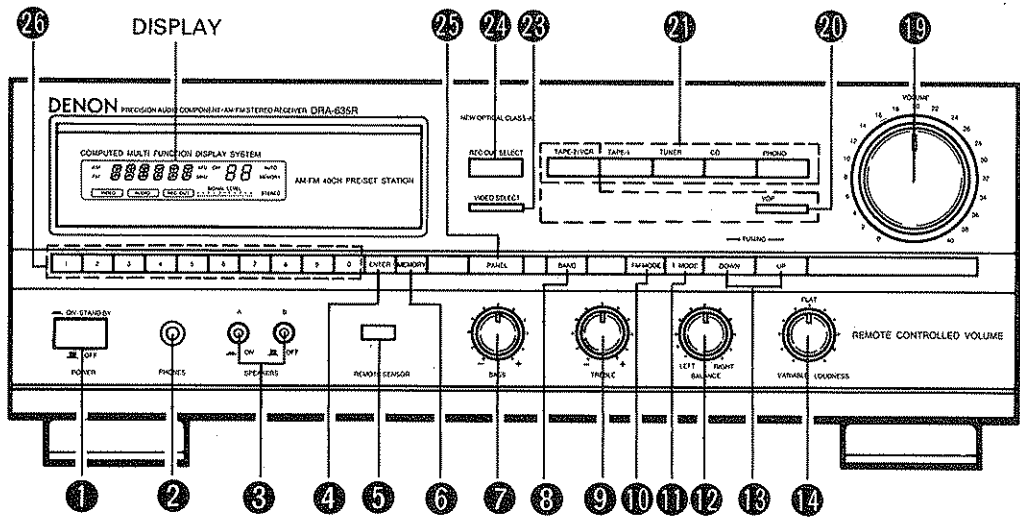
- (1) Operating Instructions ..... 1
- (2) AM Loop Antenna ..... 1
- (3) FM Antenna ..... 1
- (4) FM Antenna Adapter ..... 1
- (5) Remote Control Unit RC-136 ..... 1
- (6) R6P/AA Dry Cell Battery ..... 2

NAMES AND FUNCTIONS OF PARTS

FRONT PANEL (DRA-1035R/835R)



FRONT PANEL (DRA-635R)



1 POWER (Power Switch)

When the power switch is turned ON ( — ), the power is turned on and the Display lights. It takes a few seconds before sound is output, due to the built-in muting circuit which prevents audio output until the receiver has stabilized.

DRA-1035R/835R

When the power switch is turned ON ( — ), the Volume LED 18 also lights.

2 PHONES (Headphone Jack)

Connect a pair of headphones (sold separately) to this jack for private listening.

3 SPEAKERS (Speaker Selector Switches)

These switches are used to engage speaker systems A and B.

4 ENTER (Enter Button)

Used to enter information in the memory and to preset radio stations. Also used to call up stations already memorized.

5 REMOTE SENSOR (Remote Control Sensor)

This sensor receives the infra-red light transmitted from the wireless remote control unit.

For remote control, point the wireless remote control unit towards the sensor.

6 MEMORY (Memory Button)

This button is used to store the desired radio station on a PRESET CHANNEL button. When pressing this button, the MEMORY indicator lights for approximately 10 seconds. During this interval, the desired station can be stored in the memory.

Pressing **MEMORY**, **1**, **2**, **ENTER** in this order stores the desired station in memory on preset no. 12.

- 7 BASS (Bass Control)**  
Use this control to adjust the low-range response. When the control is set to the center position, the frequency characteristic curve (below 1000 Hz) is flat. Turn the control clockwise to increase the bass response and counter-clockwise to decrease it.
- 8 BAND (Band Selector Button)**  
Press this button to select the FM or AM band.
- 9 TREBLE (Treble Control)**  
Use this control to adjust the high-range response. When the control is set to the center position, the frequency characteristic curve (above 1000 Hz) is flat. Turn the control clockwise to increase the treble response and counter-clockwise to decrease it.
- 10 FM MODE (FM Mode Button)**  
Each time this button is pressed, the FM mode will change between stereo and monaural reception. When presetting FM stations into the memory, the FM mode is stored simultaneously.  
STEREO: FM stereo and mono signals can be received. When this position has been set, interstation noise on the FM band is suppressed.  
MONO: All FM programs are received in monaural. AM is not affected. If there is too much noise when a program is received in the STEREO mode, set this switch to MONO. Note that the STEREO indicator will not light up even when a stereo broadcast is received.
- 11 T. MODE (Tuning Mode Button)**  
This button allows selection between Automatic and Manual Tuning.  
AUTO TUNING: Pressing the UP button, the tuner will begin tuning to a higher frequency and pressing the DOWN button, it will begin tuning to a lower frequency until a broadcasting station is found.  
MANUAL TUNING: Stations are tuned in manually by use of the UP and DOWN buttons.
- 12 BALANCE (Balance Control)**  
Use this control to balance the volume levels between the left and right channels. The volume levels in both channels are equal when the control is set to the center position.
- 13 UP/DOWN (Tuning Buttons)**  
Press these buttons to tune in a station. In the Manual Tuning mode (AUTO TUNING indicator not lit), each press of the buttons will change the frequency in 100 kHz steps on FM and 10 kHz steps on AM. Keeping one of these buttons pressed, the frequency will change until the button is released. During the AUTO TUNING mode, pressing one of these buttons will start station search up or down the band.
- 14 VARIABLE LOUDNESS (Loudness Control)**  
At low volumes, the human ear is less sensitive to low (BASS) and high (TREBLE) frequencies. Use this control to compensate for this deficiency when listening at low volume levels. Turn this control counter-clockwise until a natural balance of bass and treble sound has been restored.
- 15 SIMULATED STEREO (Simulated Stereo Switch) (DRA-1035R only)**  
Press this switch to ON ( — ) to enjoy simulated stereo playback. This feature will offer simulated stereo reproduction of any monaural program source (such as AM broadcasts or monophonic video programs).  
• Reset the switch to OFF ( ■ ) when listening to normal stereo programs.
- 16 SOURCE DIRECT (Source direct switch) (DRA-1035R/835R only)**  
Setting this switch to ON ( — ) will cause the input signal to by-pass the BASS 7, TREBLE 9, BALANCE 12, VARIABLE LOUDNESS 14, SIMULATED STEREO 15 and MODE 17 circuits (regardless of the settings of these controls) and be input directly to the VOLUME 18 control circuit to prevent loss of sound quality. When the switch is ON ( — ), the component connected to the PRE-OUT/MAIN IN jacks on the back panel will not operate. Turn this switch OFF ( ■ ) when you want to operate the component connected to the PRE-OUT/MAIN IN jacks. Note that signals from the PRE-OUT jacks are output regardless of the ON/OFF position of the SOURCE DIRECT switch. Also, the signals from the PRE OUT jacks can be controlled with the BASS 7, TREBLE 9 and BALANCE 12 controls, even when the SOURCE DIRECT switch is set to the ON position ( — ).
- 17 MODE (Mode Switch) (DRA-1035R only)**  
• STEREO ( ■ ) : Use this position for stereo reproduction.  
• MONO ( — ) : Use this position to listen to monaural programs. When checking the speaker phase, it is convenient to use this position.
- 18 Volume LED (DRA-1035R/835R only)**
- 19 VOLUME (Volume Control)**  
This knob is used to adjust the volume level of both channels. Turn the knob clockwise to raise the volume and counter-clockwise to lower it.
- 20 Video Input Selector Buttons**  
These buttons select the source signal for video and related audio and perform the switching of these signals.  
• VDP: Press this button to play back on a Video Disc Player connected to the VDP jacks.  
**DRA-1035R**  
• VCR-1: Press this button to play back on a video deck connected to the VCR-1 jacks.  
• VCR-2: Press this button to play back on a video deck connected to the VCR-2 jacks.  
**DRA-835R**  
• VCR: Press this button to play back on a video deck connected to the VCR jacks.  
**DRA-635R**  
• TAPE-2/VCR: Press this button to play back the video deck connected to the VCR jacks or alternatively to play back tapes on a tape deck connected to the TAPE-2/VCR jacks.

**21 Audio Input Selector Buttons**

These buttons perform the switching of the audio source signals.

- **PHONO:** Press this button to play a record on a turntable connected to the PHONO jacks.
- **CD:** Press this button to play back Compact Discs on a CD player connected to the CD jacks.
- **TUNER:** Press this button to listen to FM or AM programs.
- **TAPE-1:** Press this button to play back tapes on a tape deck connected to the TAPE-1 jacks.

**DRA-1035R/835R**

- **TAPE-2:** Press this button to play back tapes on a tape deck connected to the TAPE-2 jacks.

**DRA-635R**

- **TAPE-2/VCR:** Press this button to play back tapes on a tape deck connected to the TAPE-2/VCR jacks or to listen to the audio portion of a video program.

**NOTE:** The Video Input Selector button 20 and Audio Input Selector buttons 21 function in conjunction. The audio input signal is selected when any of these buttons is pressed, and the selected signal is output from the speakers.

**22 IF BAND (IF Bandwidth Selector Button) (DRA-1035R/835R only)**

Selects the bandwidth of the intermediate frequency amplifier for FM broadcasts only. Two positions are available, "WIDE" and "NARROW". When presetting FM stations into the memory, the IF bandwidth mode is stored simultaneously.

**23 VIDEO SELECT (Video Selector Button)**

Independent switching button for the video signal. This button selects a Video Output signal to be fed to the VCR recording output jack (VCR-1 and VCR-2 on DRA-1035R), and a Video Output signal to the Monitor Out jack. Pressing this button will set the VIDEO SELECT standby mode for about 5 seconds. At this time, pressing one of the Video Input Selector buttons 20 (DRA-1035R: VDP, VCR-1, VCR-2; DRA-835R: VDP, VCR; DRA-635R: VDP, TAPE-2/VCR) will switch the receiver to that video signal. The VIDEO select indicator on the display lights. After this, the video output signal to the recording output jack and to the monitor out jack will not be switched even if one of the video input selector buttons 20 is pressed. The operation following this will be as follows:

Indicator	VIDEO signal – (The Video Output signal to the VCR Recording Output jacks and to the Monitor Out jack)
Unlit	<p>The signal selected with the Input Selector buttons 20 and 21 is output.</p> <p>Nothing is output if a source with no video input (CD, tuner, etc.) is selected.</p> <p>Use the above operation to change only the video signal.</p>
Lit	<p>The signal selected with the VIDEO SELECT Button 23 is output.</p> <p>Use the above operation to change the VIDEO signal. Use one of the following two methods to cancel the VIDEO selection:</p>

- Do not press any of the Video Input Selector buttons 20 within 5 seconds after pressing the VIDEO SELECT button 23.
- Press the VIDEO SELECT button 23 again within 5 seconds.

**CAUTION**

The video selection is cancelled if the REC OUT SELECT button 24 or PANEL button 25 is pressed within 5 seconds after pressing the VIDEO SELECT button 23.

Note that the selection condition for the video signal is displayed on the display. (For details see pages 8, 9) When the video selection is cancelled, the video output signal selected with the Video Input Selector button 20 is fed to the Video Recording Output jack and to the Monitor Out jack.

**24 REC OUT SELECT (Independent Switching Button for Audio Recording Outputs)**

This button allows selection of the Audio Recording mode, which is independent of the selection of the Input Selector buttons 20 and 21.

This button selects the Audio Output signal fed to the TAPE-1 and TAPE-2 Recording Output jacks, as well as the VCR jacks (VCR-1 and VCR-2 for DRA-1035R).

Pressing this button will set the REC OUT SELECT standby mode for approximately 5 seconds.

At this time, pressing an Input Selector button 20 and 21 for the desired Recording Output permits selection of the recording signal.

The REC OUT Select indicator on the display lights. After this, the audio recording signal will not be switched even if one of the Input Selector buttons 20 and 21 is pressed.

Indicator	REC OUT signal (AUDIO Recording signal to TAPE-1, TAPE-2 and VCR)
Unlit	<p>The signal selected with the Input Selector buttons 20 and 21 is output.</p> <p>Use the above operation to change only the REC OUT signal.</p>
Lit	<p>The signal selected with the REC OUT SELECT button 24 is output.</p> <p>Use the above operation to change the REC OUT signal.</p> <p>Use one of the following two methods to cancel the REC OUT selection:</p> <ul style="list-style-type: none"> <li>• Do not press any of the Input Select buttons 20 and 21 within 5 seconds after pressing the REC OUT SELECT button 24.</li> <li>• Press the REC OUT SELECT button 24 again within 5 seconds.</li> </ul> <p><b>CAUTION</b> The REC OUT SELECT selection is canceled if the VIDEO SELECT button 23 or PANEL button 25 is pressed within 5 seconds after pressing the REC OUT SELECT button 24.</p>

Note that the selection condition for the audio signal is displayed on the display (For details see pages 8, 9). When the REC OUT SELECT mode is cancelled, the audio output signal selected with the Input Selector buttons (20 and 21) is fed to the Recording Output jacks.

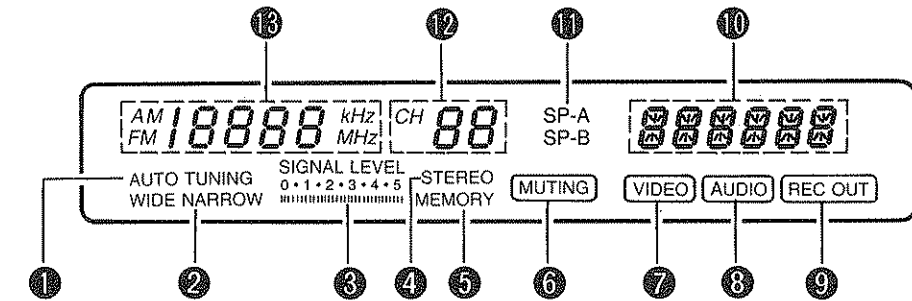
**NOTE:**

When recording AM broadcasts, if the MUTING button on the remote control unit is pressed, if the SPEAKERS A/B switch 3 is turned on/off on the DRA-1035R/835R, if the SOURCE DIRECT switch 16 is turned on/off or when recording an AM broadcast by selecting TUNER with the REC OUT SELECT button 24 if one of the Input Selector buttons (20 and 21) is pressed, the recording of the AM broadcast is interrupted.

**25 PANEL (Panel Button)**  
Pressing this button provides a display of the current operating condition on the display. Pressing this button will switch the display mode. For details see 10 Function Display on page 8 or 9 Function Display on page 9.

**26 10-Key Buttons**  
Used to specify numbers for the Memory and Preset Station numbers. Channels 1-40 can be specified using these buttons.  
Preset Station Setting Method  
A station that has already been preset can be called up by entering the station number and then pressing ENTER. To call up a two-digit station key in the two digits. E.g. to call up station number 12, press [1], [2], [ENTER] in this order.

**DISPLAY (DRA-1035R/835R)**

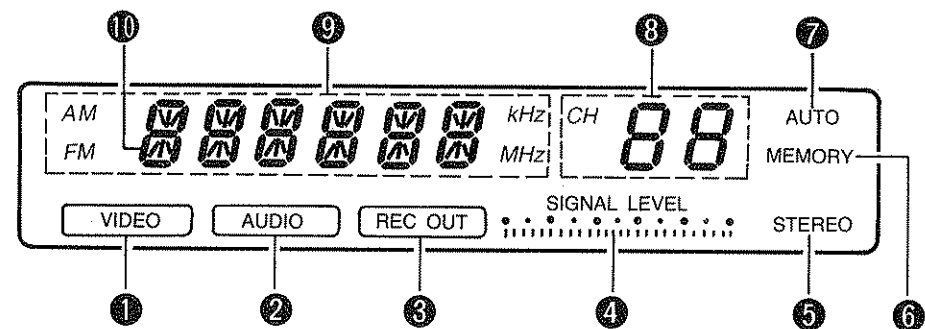


- 1 AUTO TUNING (Auto Tuning Indicator)**  
This indicator lights when the Automatic Tuning mode is selected with the T. MODE button 10.
- 2 WIDE/NARROW (IF Band Indicators)**  
These indicators show the IF band that has been selected with the IF Band button 22.
- 3 SIGNAL (Signal Strength Indicators)**  
These indicators show the signal strength level of the AM or FM station being received.
- 4 STEREO (Stereo Indicator)**  
The STEREO indicator lights up when an FM stereo broadcast is received.  
Note that when the FM MODE button 10 is set to the MONO mode, the indicator will not light up even when a stereo broadcast is received.
- 5 MEMORY (Memory Indicator)**  
This indicator lights when the MEMORY button 6 is pressed.
- 6 MUTING (Muting Indicator)**  
This indicator lights when the MUTING button on the Remote Control Unit is engaged.  
The indicator will blink for a few seconds when the power is turned on until the receiver has stabilized.
- 7 VIDEO (Video Select Indicator)**
  - This indicator lights when the Video Output Signal to the VCR recording output jack (VCR-1 and VCR-2 on DRA-1035R) and the Monitor Out jack has been fixed by using the VIDEO SELECT button 23.
  - The indicator blinks for 5 seconds after the VIDEO SELECT button 23 is pressed, indicating the VIDEO SELECT mode can be set.
- 8 AUDIO (Audio Select Indicator)**  
This indicator remains lit except when in the Video Select mode and the Rec Out Select mode.

- 9 REC OUT (Rec Out Select Indicator)**
  - This indicator lights when the Audio Output Signal to the TAPE-1 and TAPE-2 Recording Output jacks and the VCR jacks (VCR-1 and VCR-2 on DRA-1035R) has been fixed by using the REC OUT SELECT button 24.
  - The indicator blinks for 5 seconds after the REC OUT SELECT button 24 is pressed, indicating the REC OUT select mode can be set.
- 10 Function Display**
  - Usually this indicates the audio source output to the speakers.
  - When a video source is selected by pressing the VIDEO SELECT button 23 or when an audio source is selected by pressing the REC OUT SELECT button 24, the name of that source is displayed for 3 seconds, after which the display returns to normal.
  - The display changes each time the PANEL button 25 is pressed, and if the PANEL button 25 is not pressed again within 5 seconds, the audio source being output to the speakers is displayed.
  - When the PANEL button 25 is pressed once, only the REC OUT indicator 9 lights, and the audio source being output to the audio REC OUT jacks (TAPE-1, TAPE-2 and VCR) is displayed.  
When the PANEL button is pressed again, only the VIDEO indicator 7 lights, and the video source being output to the VIDEO output jacks (VCR) and MONITOR OUT jacks is displayed.  
When the PANEL button 25 is pressed again, the display returns to normal (audio source being output to the speakers).
- 11 SP-A/SP-B (Speaker Indicators)**
  - These indicators show the speaker system currently selected.
- 12 Preset Number Indicator**  
This displays the preset number onto which a station has been stored.
- 13 Digital Frequency Indicator**  
The received frequency is displayed in digital format. The FM frequency unit is MHz; the AM (MW) frequency unit is kHz.



DISPLAY (DRA-635R)



**1 VIDEO (Video Selector Indicator)**

- This indicator lights when the Video Output Signal to the VCR recording output jack and the Monitor Out jack has been fixed by using the VIDEO SELECT button ②.
- The indicator blinks for 5 seconds after the VIDEO SELECT button ② is pressed, indicating the VIDEO SELECT mode can be set.

**2 AUDIO (Audio Selector Indicator)**

- This indicator remains lit except when in the Video Select mode and Rec Out Select mode.
- This indicator blinks when the MUTING button on the Remote Control Unit is pressed.

**3 REC OUT (Rec Out Selector Indicator)**

- This indicator lights when the Audio Output Signal to the TAPE-1 and TAPE-2/VCR Recording output jacks has been fixed by using the REC OUT SELECT button ④.
- The indicator blinks for 5 seconds after the REC OUT SELECT button ④ is pressed, indicating the REC OUT select mode can be set.

**4 SIGNAL (Signal Strength Indicators)**

- These indicators show the signal strength level of the AM or FM station being received.

**5 STEREO (Stereo Indicator)**

- The STEREO indicator lights up when an FM stereo broadcast is received.
- Note that when the FM MODE button ⑩ is set to the MONO mode, the indicator will not light up even when a stereo broadcast is received.

**6 MEMORY (Memory Indicator)**

- This indicator lights when the MEMORY button ⑥ is pressed.

**7 AUTO TUNING (Auto Tuning Indicator)**

- This indicator lights when the automatic tuning mode is selected by pressing the TUNING MODE button ⑦.

**8 Preset Number Indicator**

- This displays the preset number onto which the station has been stored.

**9 Function Display**

- TUNER is displayed for 3 seconds when TUNER is selected with the Input Selector buttons (⑩ and ④), after which the frequency is displayed. For other functions, the selected source is displayed.

- When a Video source is selected by pressing the VIDEO SELECT button ② or an audio source is selected by pressing the REC OUT SELECT button ④, the name of that source is displayed for 3 seconds, after which the name of the source selected by the Input Selector buttons ⑩ and ④ is displayed.

- The display changes each time the PANEL button ⑤ is pressed, and if the PANEL button ⑤ is not pressed again within 5 seconds, the audio source being output to the speakers is displayed.

- When the PANEL button ⑤ is pressed once, only the REC OUT indicator ③ lights, and the audio source being output to the audio REC OUT jacks (TAPE-1, TAPE-2/VCR) is displayed.

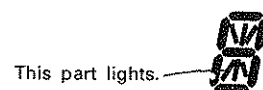
- When the audio source is set to TUNER, the frequency being received is displayed when the button is pressed again.

- When the PANEL button is pressed again, only the VIDEO indicator ① lights, and the video source being output to the VIDEO output jacks (TAPE-2/VCR) and MONITOR OUT jacks is displayed.

- When the PANEL button ⑤ is pressed again, the display returns to normal (the audio source being output to the speakers).

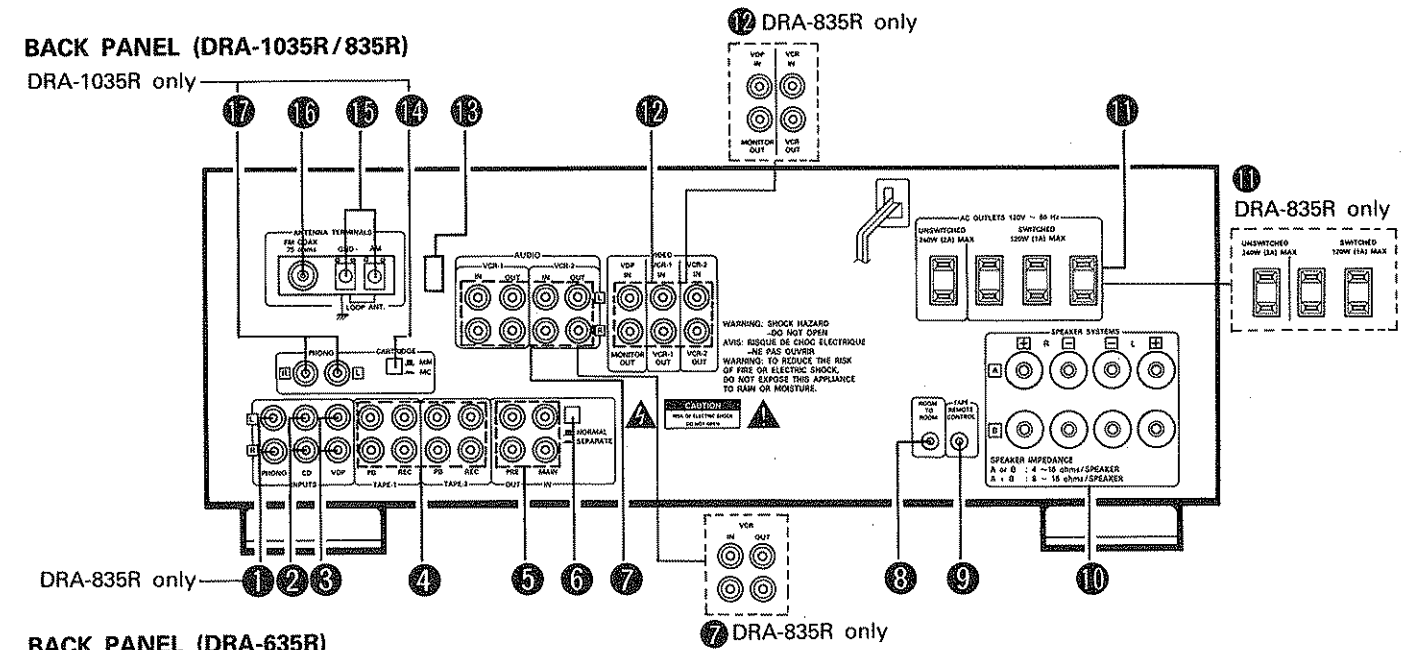
**10 Standby Indicator**

- When the power is turned off from the remote control unit, part of section ⑩ lights, indicating the standby mode.

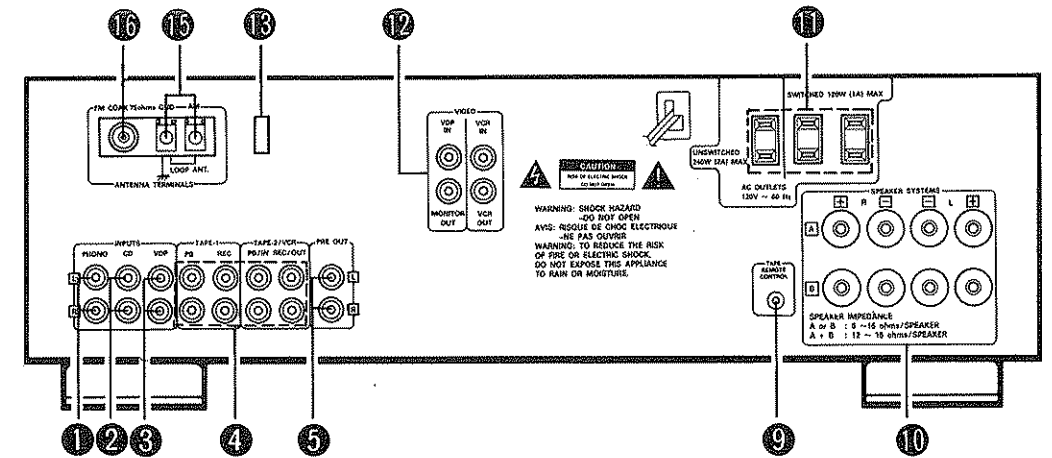


**BACK PANEL (DRA-1035R/835R)**

DRA-1035R only



**BACK PANEL (DRA-635R)**



- ① **PHONO (Phono Input Jacks) (DRA-835R/635R only)**  
Connect the output cord of a record player here. Use connection cables equipped with RCA pin-plugs.
- ② **CD (CD Input Jacks)**  
Connect the output cord of a CD player here.
- ③ **VDP (VDP input Jacks)**  
Connect the audio outputs of video disc player to these terminals.
- ④
  - **TAPE-1, TAPE-2 (Tape Deck Playback/Recording Terminals, DRA-1035R, 835R)**  
Two tape decks can be connected to these jacks for playback, recording and tape dubbing operations.
  - **TAPE-1, TAPE-2/VCR (Tape Deck or VCR Audio Playback Recording Terminals DRA-635R)**  
Two tape decks or one tape deck and the audio outputs of video component can be connected to these jacks.
- ⑤
  - **PRE-OUT/MAIN IN Jacks (DRA-1035R/835R)**  
When using this unit separately as a pre-amplifier or main amplifier, or when you want to connect a graphic equalizer, surround processor or other component between the pre-amplifier and main amplifier stages, make connection to these terminals.

- NOTE:**  
When the SOURCE DIRECT switch ⑩ is ON (—), the component connected to the PRE-OUT/MAIN IN jacks will not operate. Turn the SOURCE DIRECT switch ⑩ OFF (—) when you want to operate the component connected to the PRE-OUT/MAIN IN jacks. Note that signals from the PRE-OUT jacks are output regardless of the ON/OFF position of the SOURCE DIRECT switch.
- **PRE-OUT jacks (DRA-635R)**  
The signal processed in the pre-amplifier section is output from these jacks.
  - ⑥ **NORMAL-SEPARATE (Pre/Main Separate Switch) (DRA-1035R/835R only)**  
When the preamplifier and main amplifier sections are to be separated from each other and used independently, set this switch to the SEPARATE (—) position.
  - ⑦ **VCR-1/VCR2 (VCR-1/VCR-2 Audio Playback/Recording Terminals for DRA-1035R. VCR only for DRA-835R)**  
Connect the audio terminals of a video component in your system to these terminals.

- 8 ROOM TO ROOM (DRA-1035R/835R only)**  
Connect the AUX terminal of the DENON ROOM TO ROOM REMOTE CONTROL SYSTEM RC-616 (Infrared Retransmitter) using a mini plug.

When using this system, this unit can be controlled from other rooms.

The ROOM TO ROOM REMOTE CONTROL SYSTEM is sold separately. Consult your dealer for details.

Special cables with 3.5 mm mini plugs are also required to connect the room-to-room system.

**NOTE:**

- Do not connect headphones or a microphone to this jack.
- Note that the unit may not operate properly if remote control signals are sent to the Room to Room control system and the unit's remote sensor simultaneously.

- 9 TAPE/REMOTE CONTROL (Tape Deck Remote Control Jack)**

Remote control of a connected DENON cassette deck is enabled by connecting the tape deck remote control lead to this jack. The jack is a mini-jack designed to accept a 3.5 mm plug.

**NOTE:** Do not connect headphones or a microphone to this jack. Use this jack only to connect a Denon cassette deck with a remote control jack (wired). Remote control of the tape deck using the receiver's Remote Control Unit is not possible unless the deck is equipped with such a jack.

- 10 SPEAKER SYSTEMS (Speaker Terminals)**

Two pairs of speakers, A and B, can be connected to these terminals.

- 11 AC OUTLET (AC Convenience Outlets)**

**UNSWITCHED:** Power is always supplied to this outlet no matter whether the POWER switch has been turned on or off. The maximum capacity is 240 W.

**SWITCHED:** Power to these outlets is turned on and off by the POWER switch and POWER button on the Remote control Unit. The total maximum capacity is 120 W.

- 12 VIDEO (Video Input/Output Terminals)**  
This receiver makes possible connection of a TV monitor, VCRs and/or a video disc player (VDP) using these jacks.

- 13 AM LOOP ANT (AM Loop Antenna)**  
The AM loop antenna should be correctly connected to the AM ANT terminals to assure satisfactory reception on the AM band. Adjust the antenna for optimum reception while receiving an AM broadcast. Do not place a pin cord, speaker cords, power cords or other electric cords near the antenna as this may generate noise.

- 14 CARTRIDGE (Cartridge Selector Switch) (DRA-1035R only)**

Use this switch to set the built-in phono equalizer to the type of cartridge (MM or MC) being used on the record player.

**MC:** Depress the switch to "MC" ( — ) when a Moving Coil-type cartridge is used.

**MM:** Release the switch to "MM" ( ■ ), when a Moving Magnet-type cartridge is used.

- 15 AM ANT (AM Antenna Terminals)**  
Connect the attached AM loop antenna to these terminals. (Refer to page 12~15 for connection details.) You can also connect an outdoor AM antenna to these terminals.

- **GND TERMINAL (Ground Terminal for AM Antenna)**  
Connect the grounding wire of the turntable here. Unless the grounding wire is connected, hum or noise may be generated while playing records.

- 16 FM ANT (FM Antenna Terminals)**  
Both 75-ohms coaxial cable and 300-ohms feeder cable can be used for connecting FM antennas. For the antenna connecting procedure, see ANTENNA INSTALLATION (page 11~15).

- 17 PHONO (Phono Input Jacks) (DRA-1035R only)**  
Connect the output cord of a record player here. Use connection cables equipped with RCA pin-plugs and set the CARTRIDGE Selector Switch 14 on the rear panel to the correct position when completing the PHONO connections.

## ANTENNA INSTALLATION

### • FM ANTENNA

The supplied T-type indoor FM antenna (300 ohms) can be used indoors for receiving local FM stations and other strong FM signals. Stretch out the ends of the antenna and mount the antenna on the wall or ceiling where optimum reception is achieved.

FM T-type antennas may not offer good reception in concrete buildings and stable reception may not be possible, due to environment changes. In such cases, the FM T-type antenna should only be used temporarily until an outdoor FM antenna has been installed.

When connecting an outdoor FM antenna, the use of 75 ohms coaxial cable (3C-2V, 5C-2V) is strongly recommended. Using a 300-ohms feeder cable will cause noise and you will not be able to achieve the high sound quality the built-in tuner is capable of delivering.

### • AM ANTENNA

Attach the supplied AM loop antenna to the antenna holder on the back panel.

Connect the leads to the AM and GND terminals.

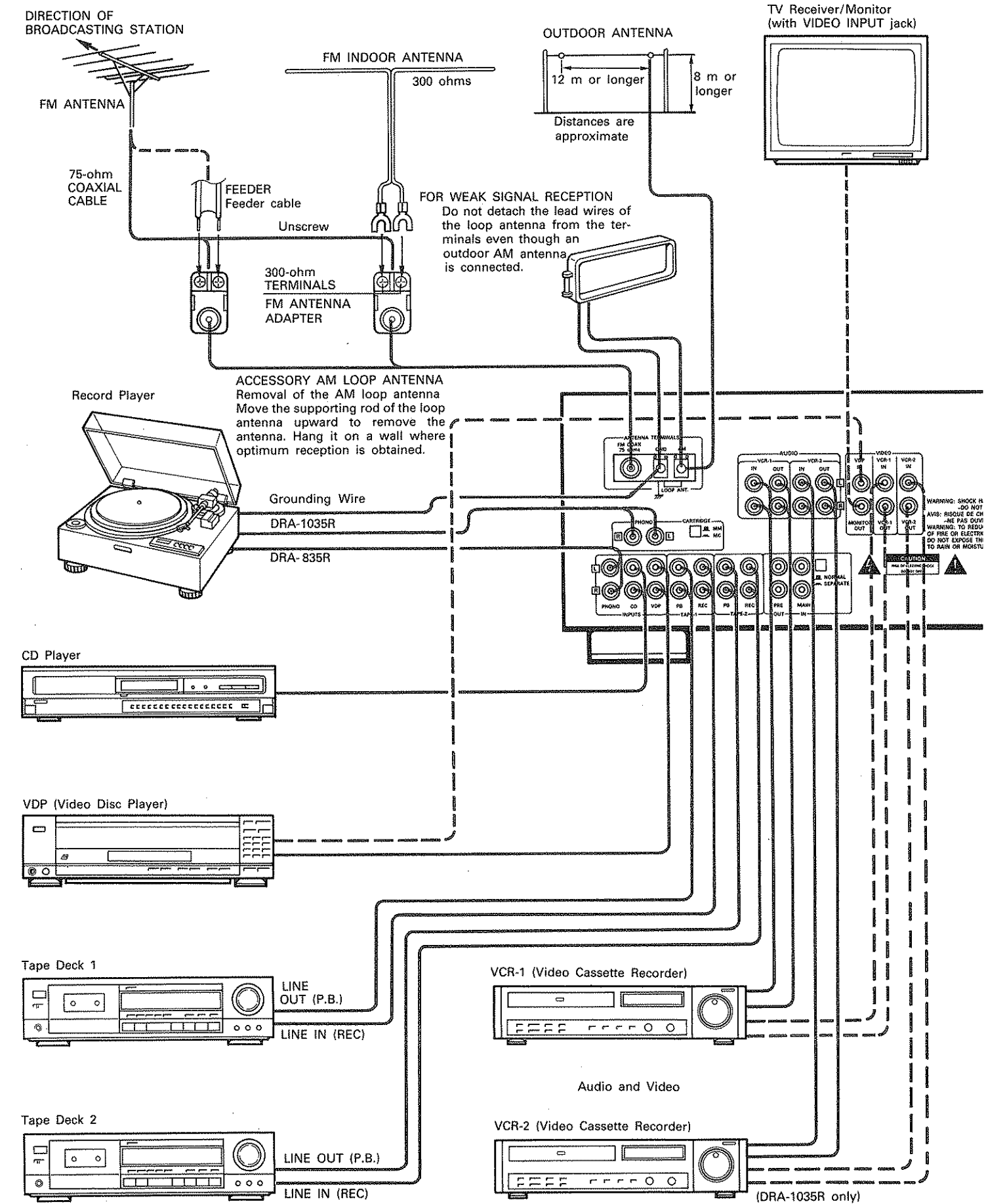
Also use the AM terminals for connecting an outdoor AM antenna (when making such a connection, do not disconnect the AM loop antenna).

Adjust the loop antenna to obtain optimum reception. Where broadcast stations are distant and only weak signals are received, or where signals are blocked, it is best to install an outdoor AM antenna.

### NOTES

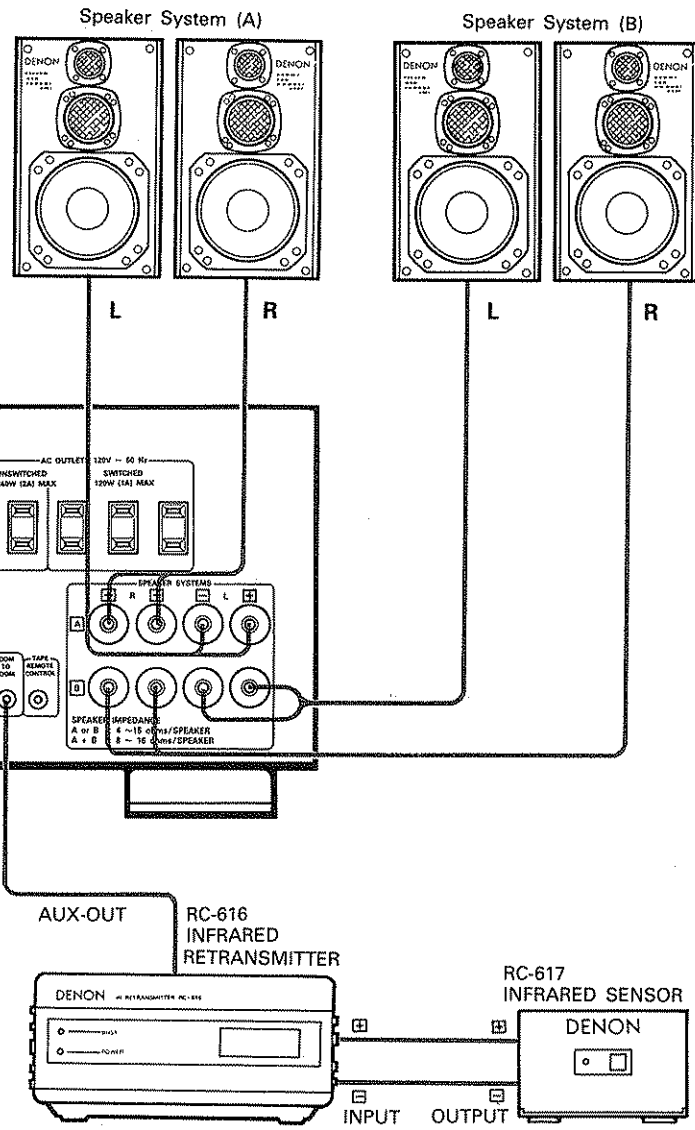
- This receiver has a full memory back-up system. When the power is turned on, the Input Selector 20, VIDEO SELECT 21 and REC OUT SELECT 22 buttons are set to the last mode set before the power was turned off.
- When using this receiver in close proximity to video equipment (TV, VCR, VDP, etc.), noise may be generated during AM or FM broadcast reception. To avoid this, keep the receiver as far away from other video components as possible.

CONNECTIONS (DRA-1035R/835R)



**Connecting the Speakers**

Connect the speaker for the left channel (the left side as viewed facing the front of the receiver) to the L SPEAKER SYSTEM terminals on the back panel, and the speaker for the right channel to the R SPEAKER SYSTEM terminals. Observe the correct polarity of the terminals: connect (-) leads to (-) terminals and (+) leads to (+) terminals. Two pairs of speakers can be connected. If only one speaker system is to be used, connect it to the SYSTEM A terminals.



**Note to CATV System Installer:**

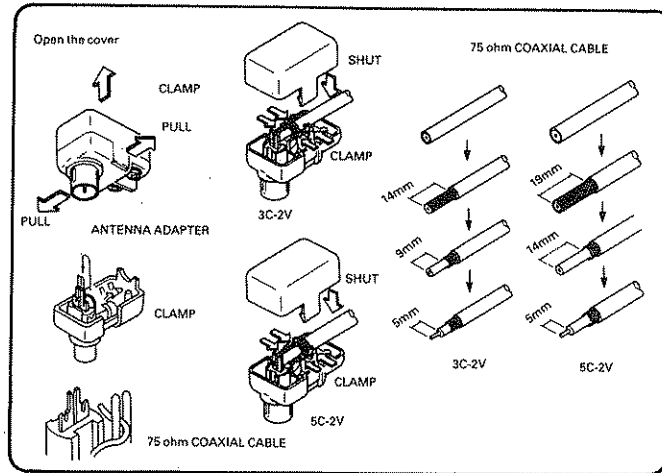
This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**Notes:**

- Do not connect two FM antennas simultaneously.
- Even if an external AM antenna is used, do not disconnect the AM loop antenna.
- Make sure AM loop antenna lead terminals do not touch metal parts of the panel.

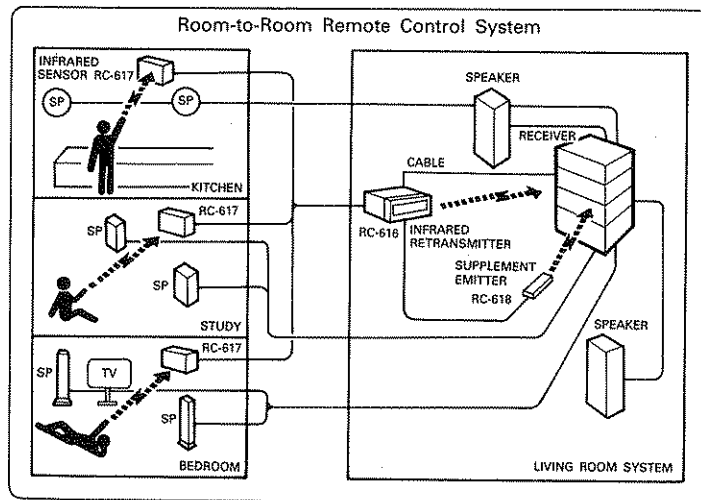
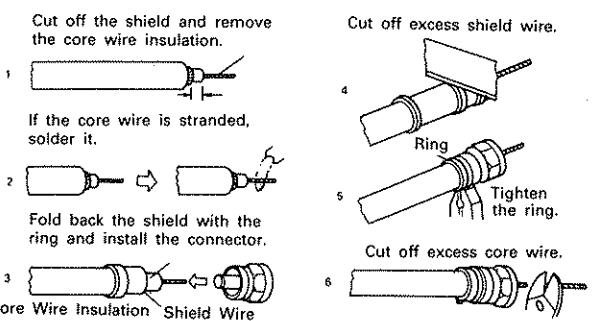
**Notes on Connection**

- Do not plug the power cord into the AC wall outlet until all connections have been completed.
- Make sure channels are correctly connected. Connect Left channels to Left channels and Right channels to Right channels. Follow the color markings of plugs and terminals to make sure mistakes are not made.
- Connect all pin-plugs securely, pushing them completely into the jacks. Incomplete connections will cause noise generation.
- Binding the connection cables to power cords, or running such cables close to power supply transformers will cause humming or noise, and should thus be avoided.

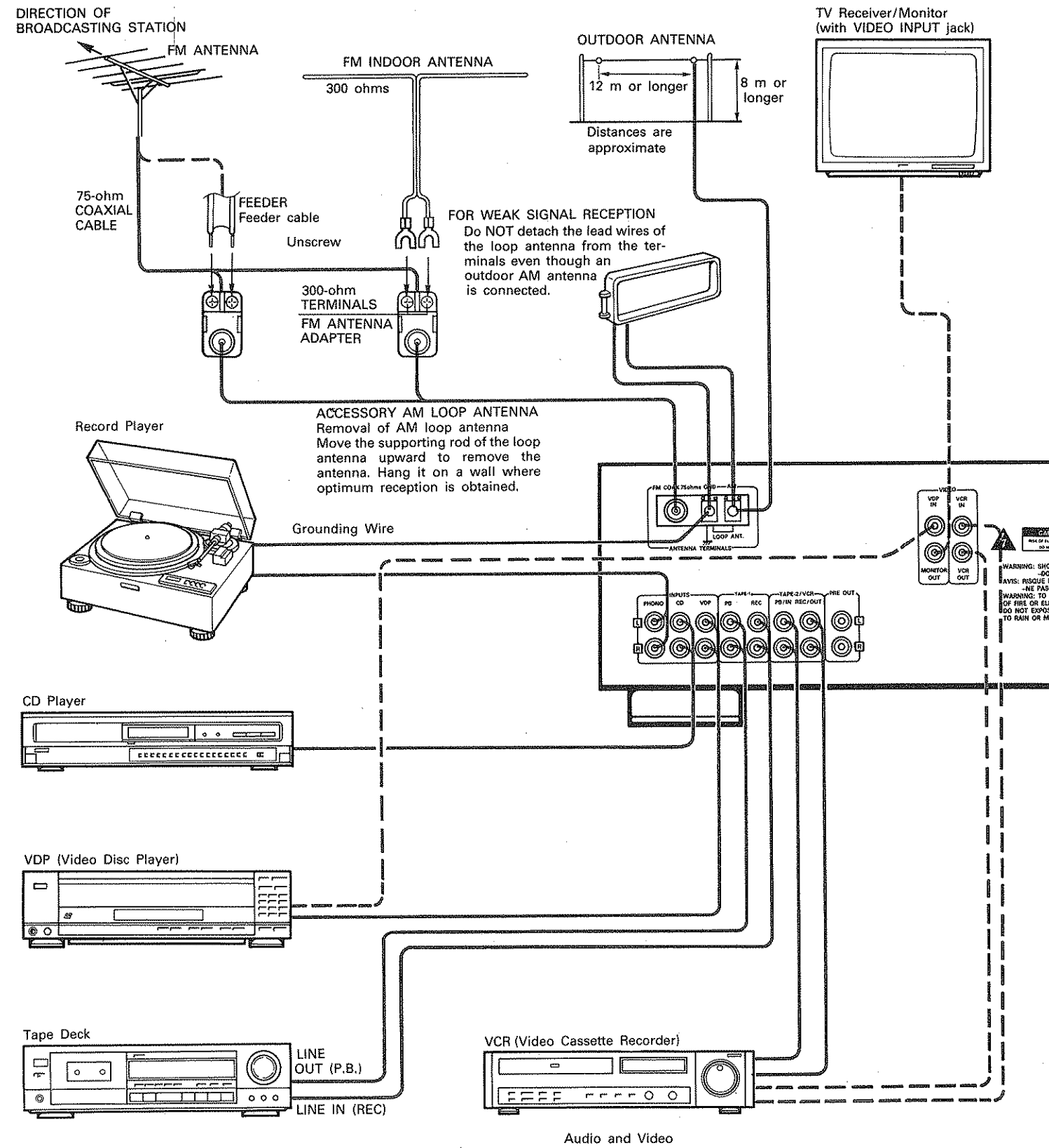


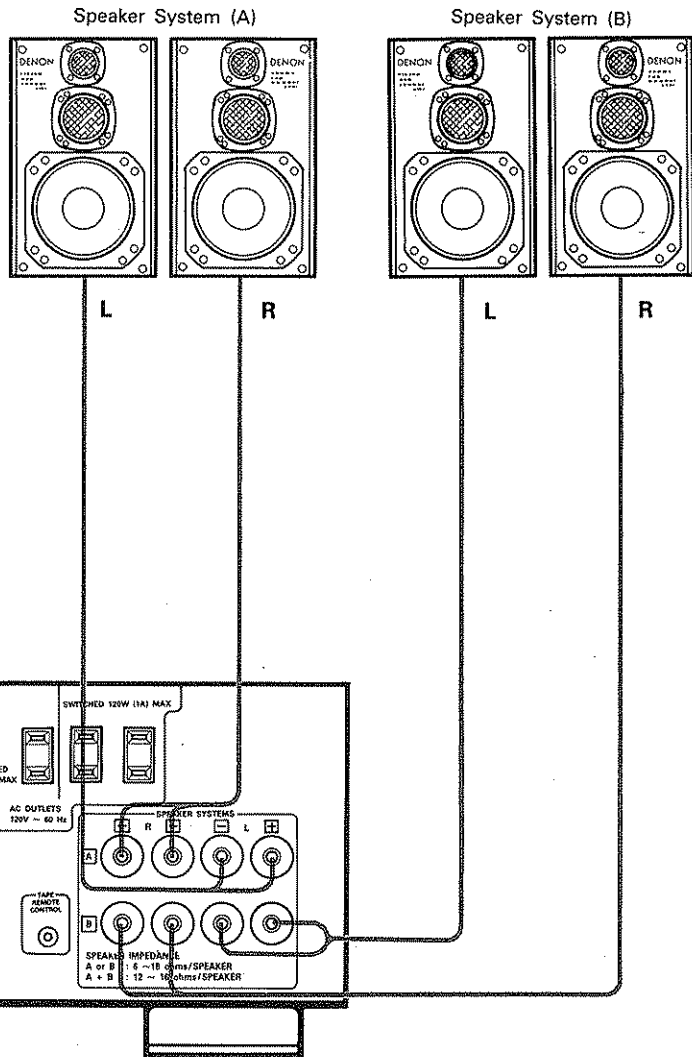
For English Readers

**75 ohm Coaxial Terminal**



CONNECTIONS (DRA-635R)





• **Connecting the Speakers**

Connect the speaker for the left channel (the left side as viewed facing the front of the receiver) to the L SPEAKER SYSTEM terminals on the back panel, and the speaker for the right channel to the R SPEAKER SYSTEM terminals. Observe the correct polarity of the terminals: connect (-) leads to (-) terminals and (+) leads to (+) terminals. Two pairs of speakers can be connected. If only one speaker system is to be used, connect it to the SYSTEM A terminals.

**Note to CATV System Installer:**

This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that 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.

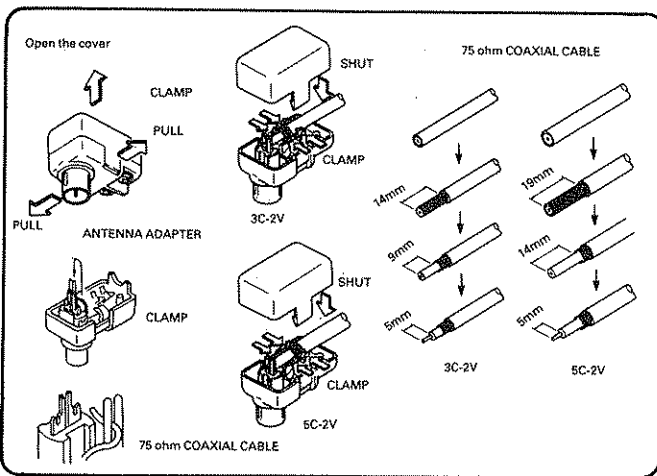
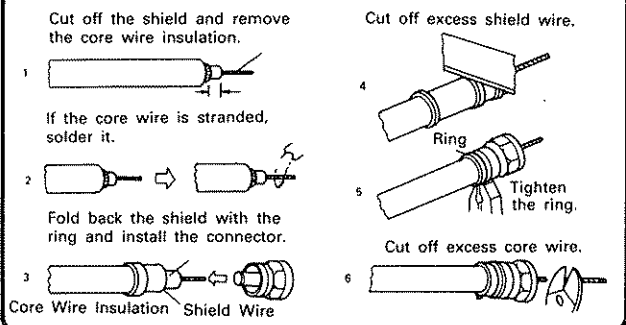
**Notes:**

- Do not connect two FM antennas simultaneously.
- Even if an external AM antenna is used, do not disconnect the AM loop antenna.
- Make sure AM loop antenna lead terminals do not touch metal parts of the panel.

**Notes on Connection**

- Do not plug the power cord into the AC wall outlet until all connections have been completed.
- Make sure channels are correctly connected. Connect Left channels to Left channels and Right channels to Right channels. Follow the color marking of plugs and terminals to make sure mistakes are not made.
- Connect all pin-plugs securely, pushing them completely into the jacks. Incomplete connections will cause noise generation.
- Binding the connection cables to power cords, or running such cables close to power supply transformers will cause humming or noise, and should thus be avoided.

• **75 ohm Coaxial Terminal**



**CAUTION****Protection Circuit**

The receiver is equipped with a high-speed protection circuit. This circuit protects the internal circuitry from damage due to large currents flowing if the speaker jacks are not completely connected or if an output is generated by a short circuit.

In such a case, the protection circuit will operate to cut off the output to the speakers. Should this happen, turn the power off and check the speaker connections. Then turn the power on again. After muting for several seconds, the receiver should be operating normally.

**PRESETTING RADIO STATIONS**

1. Choose "FM" or "AM" with the BAND Select Switch.
2. Set the T. MODE Switch to the AUTO TUNING or Manual Tuning mode.
  - AUTO TUNING: Press the UP or DOWN TUNING button. Station search will take place, up or down the band, until a station is found. Press again to search for another station.
  - MANUAL TUNING: Keep the UP or DOWN TUNING button pressed until the desired station is tuned in. Fine-tune by pressing one of the buttons in small steps.
3. Press the MEMORY button. The MEMORY indicator lights for about 10 seconds. During this time, select the preset station number (up to 40) then the press ENTER button.
4. The preset station number is displayed together with the frequency stored.

**NOTE:** In case "MEMORY" disappears from the display before you input a Preset Station number, press the MEMORY button once again to make the indicator light.

- The receiver features a "last station" memory, which stores the last station tuned in when the power was turned off. The same station will be heard when power is turned on again.
- Stations stored in the memory will be kept for up to approximately one month in case a power failure occurs or the power cord is disconnected. (Value given considering an ambient temperature of 68°F (20°C) and relative humidity of 65%.)

Should power to the receiver be interrupted for longer periods, the stations will need to be reset.

**PREPARATIONS FOR PLAYBACK****1. Checking the connections**

- Referring to the connection diagrams (pages 12 to 15), check to make sure that all connections are made properly.
- Check that the left and right speakers are connected properly and also that the polarities (+ and -) are correct.
- Check that the left and right channels of the pin-plug cords are connected properly.
- Check that each cord is securely connected.
- Check that each cord is of the proper type.

**2. Checking the positions of the controls**

(See pages 5 to 6 for a reference to the circled numbers.)

- Turn the VOLUME control ⑩ fully counterclockwise to the "0" position.
- Set the BALANCE ⑪, BASS ⑦, and TREBLE ⑨ controls to their center positions.

After making the above checks, press the POWER switch ⑫ to switch on the power.  
The receiver will be operable after several seconds of muting.

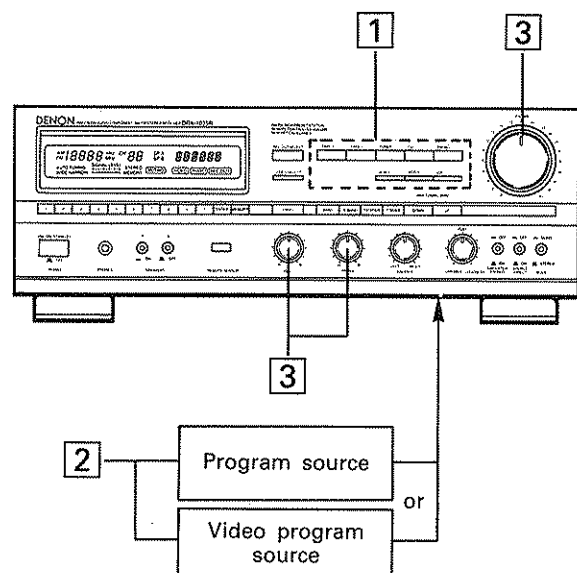
**Note on Playback**

The sound will be interrupted if one of the Input Selector buttons (⑭ and ⑮) is pressed during playback. This is due to the operation of the muting circuit which prevents noise from being output to the speakers at the time of switching, and is not a malfunction.

- When using the accompanying Remote Control Unit, press the corresponding button. For details, see **REMOTE CONTROL UNIT**, on page 20~24.



• Playback of program sources – 1  
(Same sound and picture)



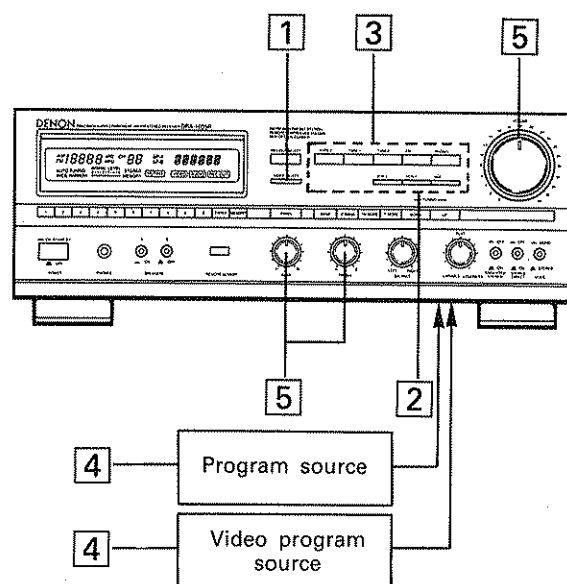
- 1 Select the desired program source by pressing an Input Selector button ④ ④

Program source	Input Selector buttons ④ ④
To listen to a record	PHONO
To listen to a CD	CD
To listen to FM or AM broadcasts	TUNER
To listen to a tape deck connected to the TAPE-1 jacks	TAPE-1
To listen to a tape deck connected to the TAPE-2 jacks (DRA-1035R/835R only)	TAPE-2
To listen to a tape deck connected to the TAPE-2/VCR decks or to watch and listen to a video deck connected to the TAPE-2/VCR jacks (DRA-635R only)	TAPE-2/VCR
To watch and listen to a video disc player connected to the VDP jacks	VDP
To watch and listen to a Video deck connected to the VCR jacks (DRA-835R only)	VCR
To watch and listen to a video deck connected to the VCR-1 jacks (DRA-1035R only)	VCR-1
To watch and listen to a video deck connected to the VCR-2 jacks (DRA-1035R only)	VCR-2

- 2 Begin playback of the program source.  
For operating details, see the operating instructions of the respective component.  
For the tuner, use the TUNING buttons ⑩ or 10-Key buttons ⑤ to set the desired frequency.

- 3 Adjust the volume and tone.

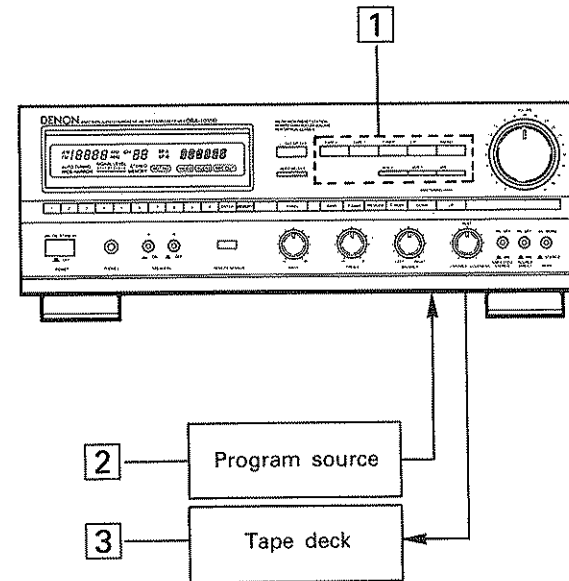
• Playback of program sources – 2  
(Picture and sound from different sources – “Simulcast” playback)



- 1 Press the VIDEO SELECT button ⑮.  
The VIDEO select indicator blinks.
- 2 Press the Video Input Selector button ⑩ for the video program source.  
The VIDEO select indicator lights.
- 3 Press the Input Selector button ④ ④ for the program source you wish to listen to.  
The video signals will not change while this mode is set.
- 4 Begin playback of the program sources.  
For operating details, see the operating instructions of the respective component.  
For the tuner, use the TUNING buttons ⑩ or 10-Key buttons ⑤ to set the desired frequency.
- 5 Adjust the volume and tone.

- The video signal will not change even if the audio signal program source is changed.
- For instructions on cancelling this mode, see the item “⑮ VIDEO SELECT button” on page 7.

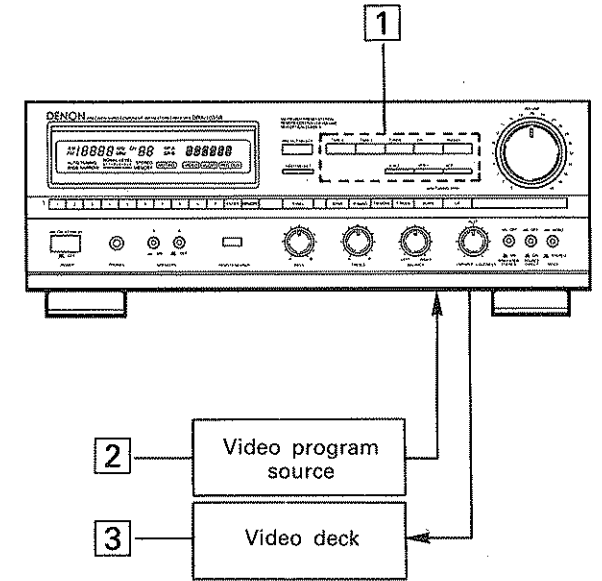
- Recording program sources and copying tapes  
(Recording the audio source currently being monitored)



- 1 Press one of Input Selector buttons ㉔ ㉕ to select the program source you wish to record.
- 2 Begin playback of the program source you wish to record.
- 3 Begin recording on the tape deck.  
For operating details, see the operating instructions of the respective component.  
For instructions on copying tapes, see Page 12~15.

● **Recording output signal**  
The signals from the sources selected by the Input Selector buttons ㉔ ㉕ are output simultaneously from the REC OUT jacks of the audio and video systems. If the tape deck and Hi-Fi video deck are connected and all components are set to the recording mode, all components will record the same source simultaneously.

- Recording video program sources and copying videos  
(Recording the sound and picture of the video source currently being monitored)



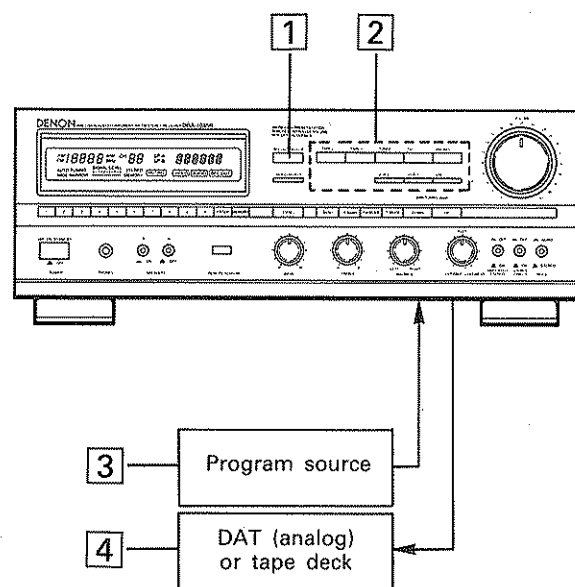
- 1 Press one of the Video Input Selector buttons ㉔ to select the program source you wish to record.

Video program source	Video Input Selector buttons ㉔
To record from a video disc player connected to the VDP jacks	VDP
To record from a video deck connected to the VCR-1 jacks (DRA-1035 only)	VCR-1
To record from a video deck connected to the VCR-2 jacks (DRA-1035 only)	VCR-2

- 2 Begin playback of the video program source you wish to record.
- 3 Begin recording on the video deck.  
For operating details, see the manual of the respective component.

● Only the picture currently being monitored can be recorded.

• Independent recording of program sources and independent tape copying  
(Recording the sound of a source other than the one currently being monitored)



- 3 Begin playback of the program source to be recorded.
- 4 Begin recording on the tape deck. For operating details, see the operating instructions of the respective components.

• **Monitoring the recording**  
When making a recording using a 3-head tape deck, the sound that has just been recorded on the tape can be checked. When recording on a deck connected to the TAPE-1 jacks, press the TAPE-1 button. This will permit a check of the recording result.

• **Recording output signal**  
The signals from the sources selected by the input selector buttons ② ④ are output simultaneously from the REC OUT jacks of the audio and video systems. If the tape deck and Hi-Fi video deck are connected and all components are set to the recording mode, all components will record the same source.

- 1 Press the REC OUT SELECT button ④. The REC OUT select indicator blinks.
- 2 Press one of the Input Selector buttons ② ④ to select the program source you wish to record. The audio source to be recorded will be displayed for approximately 3 seconds, then the normal display will reappear. The REC OUT select indicator lights. The audio signals for recording will not change while this mode is set, even if one of the Input Selector buttons ② ④ is pressed. For instructions on cancelling this mode, see ④ REC OUT SELECT on page 7.

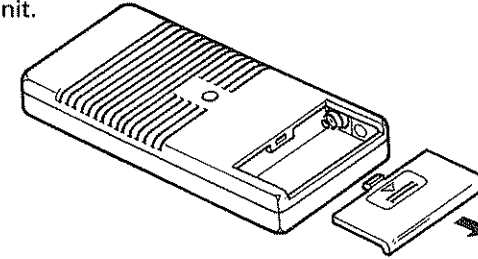
• To record the tuner output, perform the above operation after setting the function to tuner and tuning in the desired frequency.

## REMOTE CONTROL OPERATION

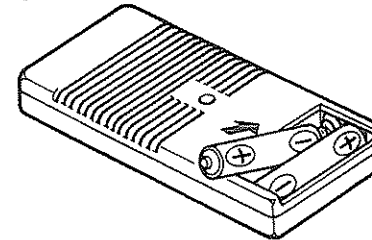
The accessory Remote Control Unit is used to control the receiver from a convenient distance.

### (1) Inserting the Dry Cell Batteries (For the RC-770, refer to its operating instructions.)

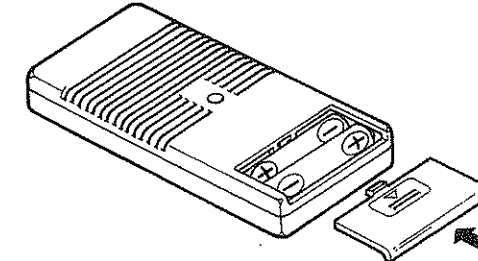
1. Remove the battery cover on the Remote Control Unit.



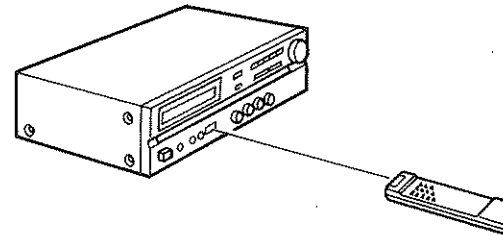
2. Insert two dry cell batteries as shown in the diagram on the battery supply unit.



3. Replace the battery cover.



### (2) Directions for use



### Notes on Battery Usage

- The Remote Control Unit uses the following batteries:  
Size R03 (AAA) dry cell batteries for model RC-770 (DRA-1035R)  
Size R6P (AA) dry cell batteries for model RC-137 (DRA-835R) and RC136 (DRA-635R)
- The batteries will need to be replaced approximately once a year. This will depend upon how often the Remote Control Unit is used.
- If, in less than a year from the time new batteries were inserted, the Remote Control Unit fails to operate the Receiver from a near-by position, it is time to replace the batteries.
- Insert the batteries properly, following the polarity diagram inside the battery compartment.
- Batteries are prone to damage and leakage. Therefore:
  - Do not mix new batteries with used ones.
  - Do not mix different types of batteries.
  - Do not jumper opposite poles of the batteries, expose them to heat, break them open, nor expose them to open fire.
- If the batteries have leaked, remove any traces of battery fluid from the battery compartment wiping thoroughly with a dry cloth. Then insert new batteries.

- Operate the Remote Control Unit while pointing it towards the Remote Control Sensor on the Receiver as shown in the diagram on the left.
- The Remote Control Unit can be used at distances up to about 8 meters in a straight line from the receiver. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the Remote Control Unit is not directed straight at the receiver.

### Note on operation

- Do not press the operating buttons on the Receiver and the Remote Control Unit at the same time. This will cause misoperation.
- Operation of the Remote Control Unit will become less effective or erratic if the infrared Remote Control Sensor on the Receiver is exposed to strong light or if there are obstructions between the Remote Control Unit and the sensor.
- In case you operate a VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation.

**Besides being able to operate the DRA-1035R/DRA-835R/DRA-635R receiver with this Remote Control Unit, you can also operate a DENON cassette deck and CD player from this handy full-system Remote Control Unit.**

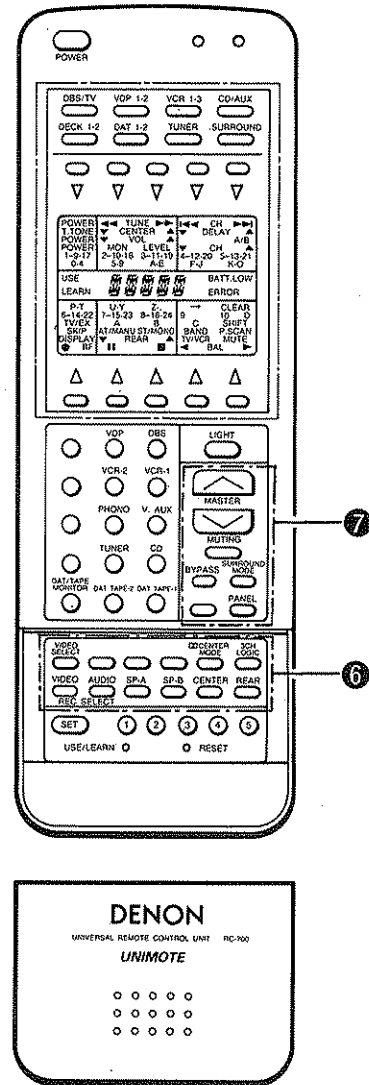
### Remote control section

#### Full-system Remote Control Unit

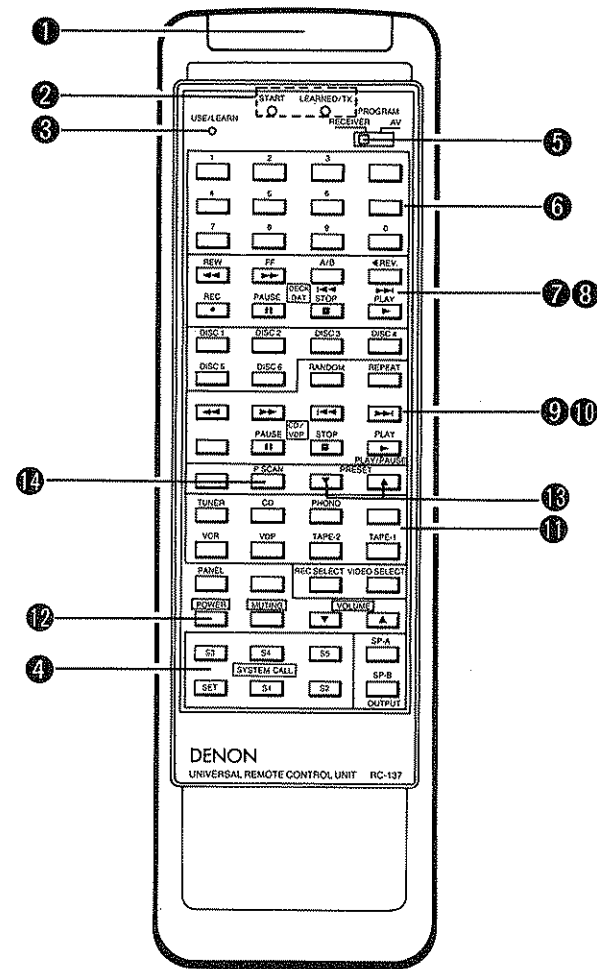
The full-system Remote Control Unit operates all major functions of the Receiver, such as function switching, volume control, and preset station selection. But that's not all! The same control pad can also control the major functions of a DENON CD player and cassette deck when combined with the DRA-1035R/835R/635R to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

**Remote Control Unit RC-770 supplied with DRA-1035R**

Refer to the operating instructions of the RC-770.



**Remote Control Unit RC-137 supplied with DRA-835R**



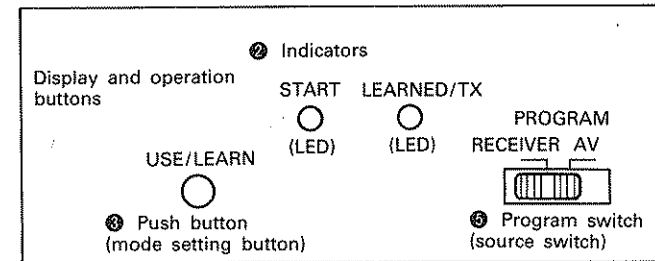
- 1** **Transmitting window**  
The remote control signals (infrared rays) are sent from this window.

**NOTE:**  
Use the TUNER pattern CH  $\Sigma$  and P.scan to control the tuner.

- CH  $\Sigma$ : Press this button to move up or down among the preset station numbers.
- P.scan: Press this button to receive each preset station for five seconds. Scanning stops when the button is pressed again, and the current station is received.
- To choose recording select with the remote control unit, use the REC SELECT AUDIO button of System button **6**.
- Pressing system buttons **6** and **7** of RC-770 will cause "SURROUND" to appear on the LCD display of RC-770, but this is normal and should not be regarded as a fault.

② ③ ④ ⑤

Follow the procedure explained below to use the learning function of the Remote Control Unit.



**Operation**

- USE/LEARN Select Button ③**  
Use the tip of a pen or similar to press this button and set the unit to the learn mode.  
The START and LEARNED/TX LEDs in the indicator section ② will start flashing to indicate that learning is possible.
  - Set the PROGRAM switch ⑤ to the desired position: RECEIVER or AV.
  - Hold your remote control unit and the Remote Control Unit included with the receiver (RC-137) with the tops (transmitting sides) facing each other, about 5 cm apart.
  - Press the button on the RC-137 at which you wish to store the code for 1 to 2 seconds, then release it.  
The LEDs will stop flashing, and the START LED will remain lit.
  - Check that the START LED is on, then hold in the button, whose signal you want to transfer, on the other remote control unit.
  - Release the button when the START LED turns off and the LEARNED LED turns on. The code has now been stored. The two LEDs will once again start flashing.  
Use this procedure to store other codes at other buttons.
- NOTE:**
- If the code cannot be stored, the LEARNED LED will not light after the START LED turns off. This may happen for a very limited number of models.
  - If the memory is full, both LEDs will start flashing rapidly after the START LED turns on. If this happens, no more codes can be stored.  
Use the reset procedure to re-learn codes.
- Repeat steps 4 through 6 above to store codes at other buttons.
  - After the learning operations are completed, press the USE/LEARN switch again. The two LEDs will stop flashing and the unit will be in the operation mode. Check that the stored codes function properly.

**Buttons that can be learned**

When the Program switch ⑤ is set to the RECEIVER side:  
All buttons of sections ⑥, ⑦, and ⑧, and buttons without a symbol mark indication in section ⑩, for a combined total of 39 buttons that can be learned.

When the Program switch ⑤ is set to the AV side:  
All buttons of sections ⑥, ⑧, ⑩, and ⑪, for a total of 58 buttons that can be learned.

**NOTE:**

Depending on the type and length of the codes to be learned, it may not be possible to use all buttons for learning.

**Reset Procedure**

- Press the USE/LEARN switch with the tip of a pen, etc., to set to the learn mode.
- Set the PROGRAM switch to the side to be cleared (RECEIVER or AV).
- Press the DISC 5 button and the REPEAT button for about 5 seconds.
- The START and LEARNED/TX LEDs will light for about two seconds, then turn off when all learned codes for that source are cleared.

The codes are reset to the initial set codes (DENON system codes) for the reset selection (RECEIVER or AV).

**Remote Control Operation**

- Check that both LEDs are off.  
If both LEDs are flashing or if the START LED is lit, press the USE/LEARN switch to turn them off.
- When a remote control operation button is pressed, the LEARNED/TX LED will light and the remote control code will be transmitted.

**Description of the System Call Function**

The system call function makes it possible to send continuous signals (i.e. a code set) consisting of up to five remote control commands with a single button.

**Operation**

• **Programming**

- Press the SET button and check that the START LED on the indicator is flashing.
- Press in order the buttons for the code set you want to recall with the system call function. Up to five buttons can be pressed. Each time a button is pressed, the LEARNED/TX LED lights. Setting is possible for either the program RECEIVER or program AV codes. (If more than five buttons are pressed, those after the fifth press will not be registered.)
- Press one of the buttons S1 to S5 to enter the code set in memory.
- The START LED turns off and the code set is programmed.
- Code sets can be programmed at buttons S1 to S5. Repeat steps 1 to 4 to register more code sets.

• **Resetting**

- Press the SET button and check that the START LED on the indicator is flashing.
- Press the button to be reset (S1 to S5).
- The START LED turns off and the button is reset.
- To reset other buttons, repeat steps 1 to 3.

• **Using**

- Press the button (S1 to S5) at which you programmed the code set.
- The programmed code set is sent at intervals of about 1.5 seconds, during which time the LEARNED/TX LED is lit. (There is no need to hold the button in.)
- The LEARNED/TX LED turns off and sending is completed. (With the system call function, the same code set is sent for the RECEIVER and AV programs.)

When the PROGRAM button ⑤ is set to RECEIVER, the DENON component system code buttons are set at buttons ⑦ ⑧. When set to AV, the system code buttons are set at buttons ⑧ ⑩.

⑥ **Buttons for learning only.**

## Description of DENON System Code Buttons

- 7 DECK system buttons**  
These buttons control a DENON cassette deck. The buttons have the same functions as the buttons on the cassette deck.
- ▶ **PLAY button (forward direction)**  
Press this button to begin playback in the forward direction.
  - ◀ **PLAY (REV) button (reverse direction)**  
Press this button to begin playback in the reverse direction.
  - **STOP button**  
Press this button to stop the deck.
  - || **PAUSE button**  
Refer to the operating instructions of your DENON tape deck.
  - **REC button**  
Refer to the operating instructions of your DENON tape deck.
  - A/B button**  
Use this button to select the deck when using a double cassette deck.
  - ◀◀ **REW button**  
Press this button to rewind the tape
  - ▶▶ **FF button**  
Press this button to fast-forward the tape.
- 8 DAT deck system buttons**  
These buttons control a DENON DAT deck. The buttons have the same function as the buttons on the DAT deck.
- ▶ **PLAY button**  
Press this button to begin playback.
  - **STOP button**  
Press this button to stop playback and recording.
  - || **PAUSE button**  
Press this button to pause playback before starting to record.
  - **REC button**  
Use this button for recording.
  - ◀◀ **(manual search reverse button) – Rewind button**
  - ▶▶ **(manual search forward button) – Fast forward button**  
Press these buttons to rewind or fast-forward the tape.
  - ◀◀ **(auto search reverse button) – to return to the previous start ID**
  - ▶▶ **(auto search forward button) – to skip to the following start ID**  
Press these buttons for auto search in the forward or reverse directions.
- 9 CD player system buttons**  
These buttons control a DENON CD player. The buttons have the same functions as the buttons on the CD player.
- ▶ **PLAY button**  
Press this button to begin playback.
  - **STOP button**  
Press this button to stop playback.
  - || **PAUSE button**  
Press this button to pause.
  - REPEAT button**  
Press this button to repeat playback.
  - ◀◀ **(manual search reverse button)**
  - ▶▶ **(manual search forward button)**  
Press these buttons for manual search in the forward or reverse directions.

- ◀◀ **(auto search reverse button)**
  - ▶▶ **(auto search forward button)**  
Press these buttons for auto search in the forward or reverse directions. Use them to find the beginning of tracks.
  - DISC1 to DISC6**  
These buttons select the disc to be played in a DENON CD changer, such as the DCM-350.
- 10 VDP system buttons**  
These buttons control a DENON video disc player. The buttons have the same functions as the buttons on the video disc player.
- ▶ **PLAY button**  
Press this button to begin playback.
  - **STOP button**  
Press this button to stop playback.
  - || **PAUSE button**  
Press this button to pause.
  - REPEAT button**  
Press this button to repeat playback.
  - ◀◀ **(manual search reverse button)**
  - ▶▶ **(manual search forward button)**  
Press these buttons for manual search in the forward or reverse directions.
  - ◀◀ **(auto search reverse button)**
  - ▶▶ **(auto search forward button)**  
Press these buttons for auto search in the forward or reverse directions. Use them to find the beginning of tracks.

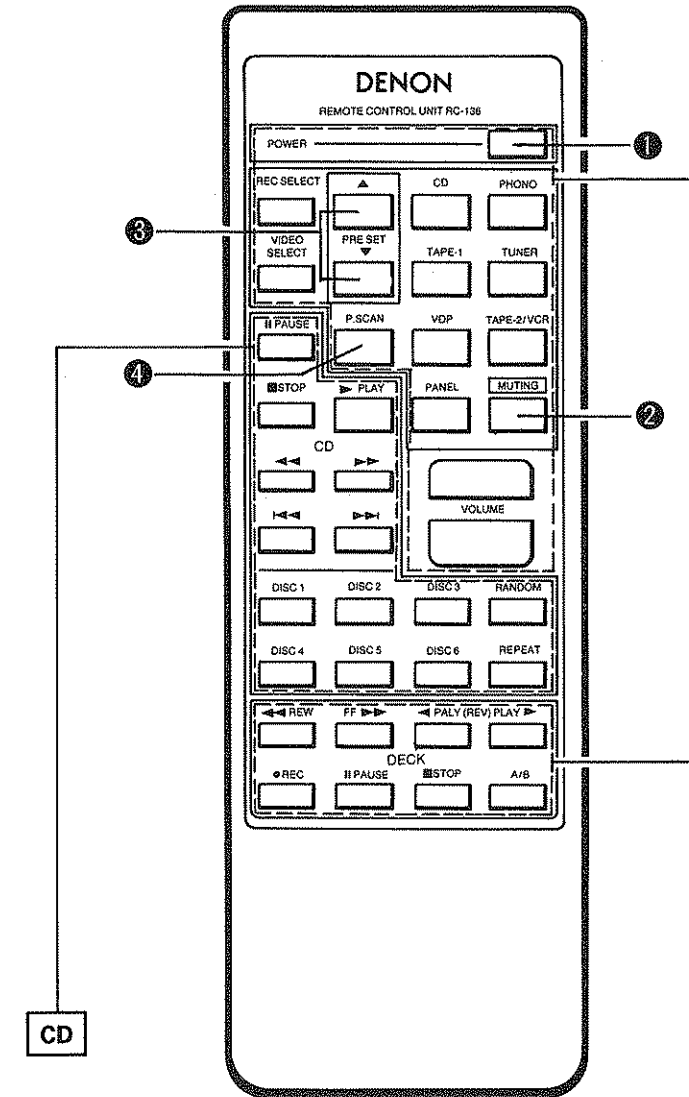
For details, refer to the operating instructions for the various components.

- 11 Function buttons**  
Button 11 is exclusively for the DRA-835R, and functions in the same way as the corresponding button on the set. Codes can be stored at the buttons without symbols in the same way as other buttons.
- 12 POWER Button**  
This button can be used to turn the power on and off when the POWER button on the Receiver is turned on (— ON/STANDBY) with the power cord plugged in. When pressed, the Receiver becomes operative. As the Receiver includes a last function memory, which holds the settings for the various components as they were directly before the power was last turned off, there is no need to perform complicated resettings. When the power is turned off, the power supply to the switched AC outlets on the rear panel is also turned off.

This button will not function if there is a power failure, if the power cord is not plugged in, or when using an audio timer.

- This button can be used when the VOLUME control's LED is lit.
- 13 PRESET  $\nabla$  button**  
Press this button to move up or down among the preset station numbers.
- 14 P. SCAN button**  
Press this button to receive each preset station for five seconds. Scanning stops when the button is pressed again, and the current station is received.

Remote Control Unit RC-136 supplied with the DRA-635R



RECEIVER

**1 Power button**  
 This button can be used to turn the power on and off when the POWER button on the Receiver is turned on (ON/STANDBY) with the power cord plugged in. When pressed, the Receiver becomes operative. As the Receiver includes a last function memory, which holds the settings for the various components as they were directly before the power was last turned off, there is no need to perform complicated resettings. When the power is turned off, the power supply to the switched AC outlets on the rear panel is also turned off.

This button will not function if there is a power failure, if the power cord is not plugged in, or when using an audio timer.

This button can be used when STANDBY indicator (10) on page 9) is lit.

**2 MUTING button**  
 • Pressing this switch will activate the muting condition and no signals will be output to the speakers.  
 • The AUDIO mark in the display (2) blinks.

**3 PRESET button**  
 Press this button to move up or down among the preset station numbers.

**4 P. SCAN button**  
 Press this button to receive each preset station for five seconds. Scanning stops when the button is pressed again, and the current station is received.

**Other buttons**  
 Other buttons are exclusively for the DRA-635R, and function in the same way as the corresponding buttons on the set.

DECK

▶ PLAY	PLAY button
■ STOP	STOP button
⏮	Reverse Track Search button
⏭	Forward Track Search button
⏪	Manual Search Reverse button
⏩	Manual Search Reverse button
⏸ PAUSE	PAUSE button

▶ PLAY	PLAY button
◀ PLAY (REV)	PLAY (REV) button
■ STOP	STOP button
⏮ REW	REWIND button
FF ⏭	FF button
● REC	Refer to the operating instructions of your DENON tape deck.
⏸ PAUSE	
A/B W-DECK	A/B DECK SELECT button

- The RC-136 Remote Control Unit can control all CD players (excluding the DCD-1800R) and cassette decks manufactured by DENON.
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are RECEIVER, FUNCTION, CD and DECK.

For details on operating other components, refer to the operating instructions for the CD player and/or cassette deck.

**CAUTION: DRA-1035R/835R/635R**

- If the power is turned off with the Remote Control Unit, the Receiver is switched to the power stand-by state. If you are absent for a long period of time, be sure to turn the power off using the POWER switch on the receiver.
- On the DRA-1035R/835R, the VOLUME LED (10) lights when in the power stand-by mode. For the DRA-635R, STANDBY indicator (10) lights.
- You may experience erratic operation of the Remote Control Unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the Remote Control Sensor on the Receiver or the Room to Room system (RC 617). However, this is not a malfunction, and if this should happen, simply protect the sensor against such light.



**TROUBLESHOOTING**

1. Have all connections been made properly?
2. Have you followed all operating instructions properly?
3. Check the speaker and turntable systems for proper operation.

If your unit does not seem to operate correctly, first check the items in the following table. If the symptom does not correspond to any of the problems as shown below, turn off the power immediately and contact your DENON dealer.

Problem	Cause	Remedy
<b>FM AND AM RECEPTION</b>		
A radio program cannot be received.	<ul style="list-style-type: none"> <li>• Antenna connections incorrect.</li> <li>• Signal strength is weak.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the connections.</li> <li>• Check the antenna installation.</li> </ul>
Noise is reproduced.	<ul style="list-style-type: none"> <li>• A signal strength is weak.</li> <li>• Ignition noise from near-by traffic interferes with reception.</li> <li>• Other electrical equipment interferes with reception.</li> </ul>	<ul style="list-style-type: none"> <li>• Install an outdoor antenna.</li> <li>• Keep the antenna away from the streets.</li> <li>• Keep the equipment away from this set, or turn off the power of the other equipment.</li> </ul>
The preset frequencies are erased.	<ul style="list-style-type: none"> <li>• The memory back-up term (about 1 month) has passed.</li> </ul>	<ul style="list-style-type: none"> <li>• Preset stations again.</li> </ul>
During automatic tuning, tuning doesn't stop at a radio station.	<ul style="list-style-type: none"> <li>• Signal strength is weak.</li> </ul>	<ul style="list-style-type: none"> <li>• Use manual tuning</li> </ul>
During automatic tuning, tuning stops one frequency step lower or higher than the radio station.	<ul style="list-style-type: none"> <li>• Noise or strong signal is received.</li> </ul>	<ul style="list-style-type: none"> <li>• Use manual tuning for optimum reception.</li> </ul>
<b>PLAYBACK OF CONNECTED EQUIPMENTS</b>		
No sound is produced although power is on.	<ul style="list-style-type: none"> <li>• Incorrect input and speaker cord connections..</li> <li>• The SPEAKERS switches are off.</li> <li>• Incorrect Input Selector button pressed.</li> <li>• The protective circuit is operating.</li> <li>• The fuse has blown.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the connection.</li> <li>• Turn on the SPEAKER A switch.</li> <li>• Press the button corresponding to the desired source.</li> <li>• Turn the power off once, check the speaker connections, then turn the power on again.</li> <li>• Consult your dealer or the nearest DENON representative.</li> </ul>
Audible hum when playing records.	<ul style="list-style-type: none"> <li>• Incorrect turntable input and grounding cords connections.</li> <li>• Incorrect connections of cartridge cords.</li> <li>• Interference from a nearby TV or radio broadcast antenna.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the connections.</li> <li>• Check the connection.</li> <li>• Consult your dealer or the nearest DENON representative.</li> </ul>
Howling is produced when the VOLUME control is turned up too high while playing records.	<ul style="list-style-type: none"> <li>• Vibrations and sounds from the speakers are picked up by the turntable cartridge.</li> </ul>	<ul style="list-style-type: none"> <li>• Insulate against vibrations, and keep the speakers away from the turntable.</li> </ul>
Cracking noise produced when playing records.	<ul style="list-style-type: none"> <li>• The record is stained with the dust.</li> <li>• The stylus tip of the cartridge is dirty.</li> <li>• The cartridge is defective.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean the record.</li> <li>• Clean the stylus tip.</li> <li>• Try another cartridge.</li> </ul>

SPECIFICATIONS

	DRA-1035R	DRA-835R	DRA-635R
<b>AMPLIFIER SECTION</b>			
<b>Continuous Power Output:</b>	130 watts per channel, minimum RMS, both channels driven into 8 ohms from 20 Hz ~ 20 kHz, no more than 0.015% THD	100 watts per channel minimum RMS, both channels driven into 8 ohms from 20 Hz ~ 20 kHz, no more than 0.015% THD	80 watts per channel minimum RMS, both channels driven into 8 ohms from 20 Hz ~ 20 kHz, no more than 0.05% THD
<b>Power Bandwidth (IHF):</b>	5 Hz ~ 40 kHz (0.05% THD, both channels driven into 8 ohms)	5 Hz ~ 40 kHz (0.05% THD, both channels driven into 8 ohms)	5 Hz ~ 40 kHz (0.05% THD, both channels driven into 8 ohms)
<b>Total Harmonic Distortion:</b>	0.006% (-3 dB at rated output 8 ohms)	0.006% (-3 dB at rated output 8 ohms)	0.009% (-3 dB at rated output 8 ohms)
<b>Frequency Response:</b>	PHONO RIAA Deviation Standard Curve (Recording Output) MM 20 Hz~20 kHz ±0.3 dB MC 30 Hz~20 kHz ±0.5 dB CD, TAPE-1,2, 20 Hz~50 kHz ±1.5 dB VDP, VCR-1,2 (at 1 W)	PHONO RIAA Deviation Standard Curve (Recording Output) MM 20 Hz~20 kHz ±0.5 dB CD, TAPE-1,2, 20 Hz~50 kHz ±1.5 dB VDP, VCR (at 1 W)	PHONO RIAA Deviation Standard Curve (Recording Output) MM 20 Hz~20 kHz ±0.5 dB CD, TAPE-1,2/ 20 Hz~50 kHz ±1.5 dB VCR, VDP (at 1 W)
<b>Input Sensitivity / Impedance:</b>	PHONO MM 2.5 mV 47 kohms MC 0.2 mV 100 ohms CD, TAPE-1,2, 150 mV 47 kohms VDP, VCR-1,2 (Source Direct: OFF) 150 mV 23 kohm (Source Direct: ON)	PHONO MM 2.5 mV 47 kohms CD, TAPE-1,2, 150 mV 47 kohms VDP, VCR (Source Direct: OFF) 150 mV 23 kohm (Source Direct: ON)	PHONO MM 2.5 mV 47 kohms CD, TAPE-1,2/ 150 mV 47 kohms VCR, VDP
<b>Maximum Input Level</b>	PHONO MM 150 mV MC 12 mV	PHONO MM 150 mV	PHONO MM 150 mV
<b>Signal-to-Noise Ratio (IHF-A):</b>	PHONO MM 92 dB at 5.0 mV input MC 75 dB at 0.5 mV input CD, TAPE-1,2, 105 dB VDP, VCR-1,2 (Source Direct: ON)	PHONO MM 86 dB at 5.0 mV input CD, TAPE-1,2, 105 dB VDP, VCR (Source Direct: ON)	PHONO MM 86 dB at 5.0 mV input CD, TAPE-1,2/ 100 dB VCR, VDP
<b>Tone Control:</b>	BASS ±10 dB at 100 Hz TREBLE ±10 dB at 10 kHz	BASS ±10 dB at 100 Hz TREBLE ±10 dB at 10 kHz	BASS ±10 dB at 100 Hz TREBLE ±10 dB at 10 kHz
<b>Loudness Control Effect:</b>	VARIABLE LOUDNESS, 10 positions - 50 Hz: +10 dB, 10 kHz: +5 dB	VARIABLE LOUDNESS, 10 positions - 50 Hz: +10 dB, 10 kHz: +5 dB	VARIABLE LOUDNESS, 10 positions - 50 Hz: +10 dB, 10 kHz: +5 dB
<b>MAIN-IN Terminals Input Sensitivity / Impedance:</b>	1 V/10 kohms	1 V/10 kohms	
<b>TUNER SECTION</b>			
[FM] (note: $\mu\text{V}$ at 75 ohms, 0 dBf = $1 \times 10^{-16}\text{W}$ )			
<b>Receiving Range:</b>	87.5 ~ 108 MHz	87.5 ~ 108 MHz	87.5 ~ 108 MHz
<b>Usable Sensitivity:</b>	0.9 $\mu\text{V}$ (10.3 dBf)	0.9 $\mu\text{V}$ (10.3 dBf)	0.9 $\mu\text{V}$ (10.3 dBf)
<b>S/N at 50 dB Sensitivity (<math>\mu\text{V}</math> at 75 ohms):</b>	MONO 1.5 $\mu\text{V}$ (14.8 dBf) STEREO 20 $\mu\text{V}$ (37.3 dBf)	MONO 1.5 $\mu\text{V}$ (14.8 dBf) STEREO 20 $\mu\text{V}$ (37.3 dBf)	MONO 1.6 $\mu\text{V}$ (15.3 dBf) STEREO 23 $\mu\text{V}$ (38.5 dBf)
<b>Signal-to-Noise Ratio (A-weighted)</b>	MONO 86 dB STEREO 82 dB	MONO 86 dB STEREO 82 dB	MONO 82 dB STEREO 78 dB
<b>Total Harmonic Distortion:</b>	MONO 0.06% (WIDE) STEREO 0.09% (WIDE)	MONO 0.06% (WIDE) STEREO 0.09% (WIDE)	MONO 0.1% STEREO 0.15%
<b>Capture Ratio:</b>	1.3 dB	1.3 dB	1.3 dB
<b>Image Rejection:</b>	80 dB	80 dB	42 dB
<b>AM Suppression:</b>	60 dB	60 dB	50 dB
<b>Selectivity (<math>\pm 400</math> kHz):</b>	45 dB (WIDE) 75 dB (NARROW)	45 dB (WIDE) 75 dB (NARROW)	45 dB
<b>Frequency Response:</b>	20 Hz ~ 15 kHz $^{+0.2}_{-0.5}$ dB	20 Hz ~ 15 kHz $^{+0.2}_{-0.5}$ dB	20 Hz ~ 15 kHz $^{+0.2}_{-1.5}$ dB
<b>Stereo Separation (at 1 kHz):</b>	55 dB	55 dB	55 dB
[AM]			
<b>Tuning Frequency Range:</b>	520 ~ 1710 kHz	520 ~ 1710 kHz	520 ~ 1710 kHz
<b>Usable Sensitivity:</b>	18 $\mu\text{V}$	18 $\mu\text{V}$	18 $\mu\text{V}$
<b>Signal-to-Noise Ratio:</b>	55 dB	55 dB	55 dB
<b>GENERAL</b>			
<b>Power Supply:</b>	AC 120V, 60 Hz	AC 120V, 60 Hz	AC 120V, 60 Hz
<b>Power Consumption:</b>	6.6 A	5.7 A	3.3 A
<b>Power Outlets:</b>	SWITCHED 120 W UNSWITCHED 240 W	SWITCHED 120 W UNSWITCHED 240 W	SWITCHED 120 W UNSWITCHED 240 W
<b>Dimensions:</b>	434 mm (17-3/32") W x 160 mm (6-19/64") H x 402 mm (15-53/64") D	434 mm (17-3/32") W x 160 mm (6-19/64") H x 402 mm (15-53/64") D	434 mm (17-3/32") W x 140 mm (5-33/64") H x 402 mm (15-53/64") D
<b>Weight:</b>	12.2 kg (26 lbs 14 oz)	11.0 kg (24 lbs 4 oz)	9.8 kg (21 lbs 9 oz)
<b>REMOTE CONTROL UNIT</b>			
<b>Remote control system:</b>	RC-770 Infrared pulse system 6V DC, Four size R03 ("AAA") dry cell batteries	RC-137 Infrared pulse system 3V DC, Two size R6P ("AA") dry cell batteries	RC-136 Infrared pulse system 3V DC, Two size R6P ("AA") dry cell batteries
<b>External dimensions:</b>	78 mm (3-5/64") W x 25 mm (63/64") H x 235 mm (9-1/4") D	70 mm (2-3/4") W x 18 mm (45/64") H x 215 mm (8-15/32") D	60 mm (2-23/64") W x 18 mm (45/64") H x 175 mm (6-57/64") D
<b>Weight:</b>	285 g (about 10 oz) (including batteries)	160 g (about 5.6 oz) (including batteries)	120 g (about 4.2 oz) (including batteries)

Design and specifications are subject to change without prior notice.