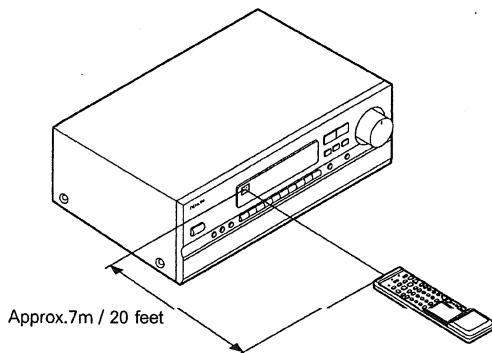


4 REMOTE CONTROL UNIT

Following the procedure outlined below, insert the batteries before using the remote control unit.

Range of operation of the remote control unit



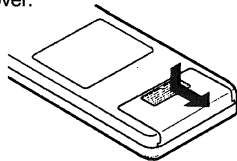
Point the remote control unit at the remote control sensor as shown on the diagram at the left.

NOTES:

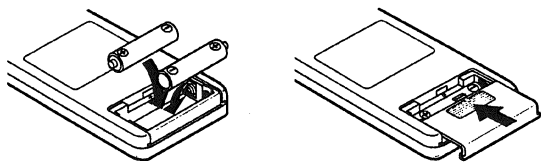
- The remote control unit can be used from a straight distance of approximately 7 meters/20 feet, but this distance will shorten or operation will become difficult if there are obstacles between the remote control unit and the remote control sensor, if the remote control sensor is exposed to direct sunlight or other strong light, or if operated from an angle.
- Neon signs or other devices emitting pulse-type noise nearby may result in malfunction, so keep the set as far away from such devices as possible.

Inserting the batteries

- Open the bottom cover of the remote control unit and remove the battery cover.



- Insert the two R6P/AA batteries, matching the ⊕ and ⊖ marks on the batteries with those in the case. Close the bottom cover until it clicks shut.



NOTES:

- Use only AA, R6P, UM-3 batteries for replacement.
- Be sure the polarities are correct. (See the illustration inside the battery compartment.)
- Remove the batteries if the remote control transmitter will not be used for an extended period of time.
- If batteries leak, dispose of them immediately. Avoid touching the leaked material or letting it come in contact with clothing, etc. Clean the battery compartment thoroughly before installing new batteries.
- Have replacement batteries on hand so that the old batteries can be replaced as quickly as possible when the time comes.
- The codes that have been learned may be lost if removed batteries are not replaced within about 5 minutes.

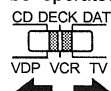
4-1 System code buttons

DENON remote-controllable audio components can be controlled using this unit's remote control unit. Note that some components, however, cannot be operated with this remote control unit.

- Set to slide switch to "AUDIO" ("AVR/AVC").

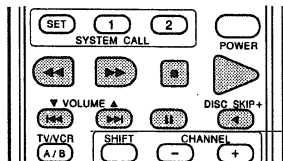


- Set the slide switch to the position for the component to be operated (CD, DECK or DAT).



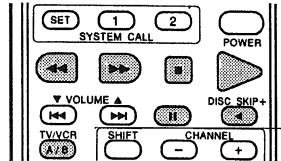
- Use the buttons shown below to operate the audio component. For details, refer to the respective component's manual.

a. CD and DAT

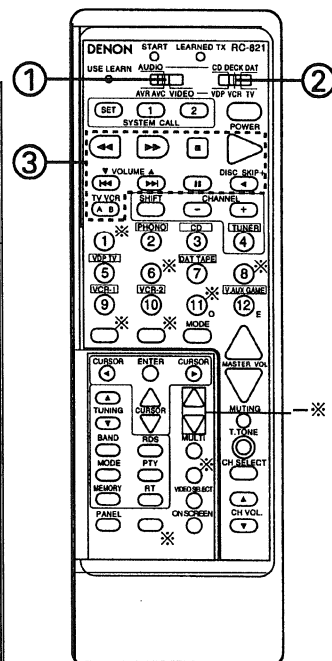


- Manual search (reverse and forward)
- stop
- Play
- Auto search
- Pause
- DISC SKIP+ : Disc selection (CD changer only)

b. DECK



- Reverse
- Forward
- stop
- Forward play
- Pause
- A/B : A/B deck selection
- Reverse Play



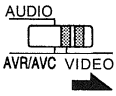
⚡ These buttons dose not function. (Some buttons can be used by using the preset memory or learning function.)

4-2 Preset memory

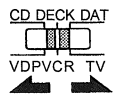
DENON and other makes of components can be operated by setting the preset memory for your make of video component.

Operation is not possible for some models, however. In this case use the learning function (see page 15) to store the remote control signals.
For instructions on clearing the presets stored in the preset memory. see page 16.

1. Set the slide switch to "VIDEO".

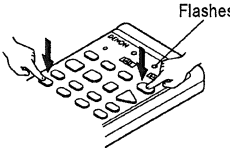


2. Set the slide switch to the component to be registered (VDP, VCR or TV).



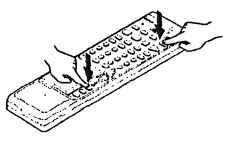
(Keep the POWER button pressed in)
when performing steps 3 and 4.

3. Holding in the POWER button, press the button for the corresponding manufacturer in block A.
(Refer to Table 4-2.)

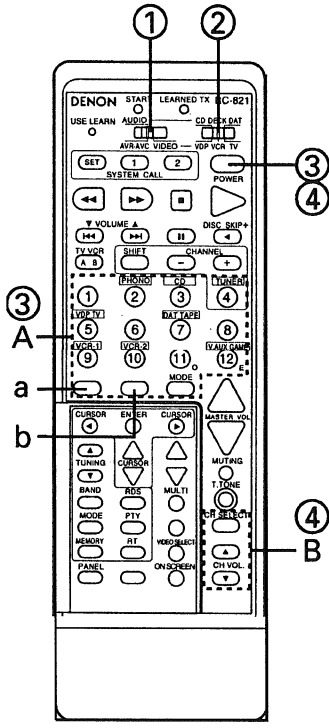


The LEARNED/TX LED flashes.

4. Next, while holding in the POWER button, press the button for the code in block B. (Refer to Table 4-2.) The operation is completed when the LEARNED/TX LED lights



5. To continue registering other components, repeat steps 2 to 4.



This remote control unit can be used to operate components of other manufacturers without using the learning function by registering the manufacturer of the component as shown on Table 4-2.

Table 4-2: Combinations of Personal System Codes for Different Manufacturers

"VDP"

A	B	CH SELECT (CH SELECT)	CH VOL. (CH VOL.)	CH VOL. (CH VOL.)
		(CH SELECT)	(CH VOL.)	(CH VOL.)
①		DENON A	DENON B	DENON C
②	(PHONO)	—	—	—
③	(CD)	MITSUBISHI		
④	(TUNER)	PANASONIC	—	—
⑤	(VDP/TV)	—	—	—
⑥		SONY A	SONY B	SONY C
⑦	(DAT/TAPE)	PIONEER	—	—
⑧				
⑨	(VCR-1)	SANYO		
⑩	(VCR-2)	SHARP		
⑪	/0			
⑫	/E (V.AUX /GAME)	PHILIPS		
I O (a)		RCA		
O (b)				
MODE (MODE)		MAGNAVOX	—	

"VCR "

A	B	CH SELECT (CH SELECT)	CH VOL. (CH VOL.)	CH VOL. (CH VOL.)
		(CH SELECT)	(CH VOL.)	(CH VOL.)
①				
②	(PHONO)	HITACHI A	HITACHI B	HITACHI C
③	(CD)	MITSUBISHI A	MITSUBISHI B	MITSUBISHI C
④	(TUNER)	PANASONIC A	PANASONIC B	—
⑤	(VDP/TV) JVC	(VICTOR) A	(VICTOR) B	—
⑥		SONY A	SONY B	SONY C
⑦	(DAT/TAPE)	PIONEER	—	—
⑧		TOSHIBA A	TOSHIBA B	
⑨	(VCR-1) S A N Y O A	SANYO A	SANYO B	
⑩	(VCR-2)	SHARP A	SHARP B	
⑪	/0	NEC A	NEC B	NEC C
⑫	/E (V.AUX /GAME)	PHILIPS A	PHILIPS B	PHILIPS C
O (a)		RCA A	RCA B	
O (b)		GENERAL ELECTRIC A	GENERAL ELECTRIC B	
MODE (MODE)		MAGNAVOX A	MAGNAVOX B	MAGNAVOX C

"TV"

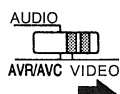
A	B	CH SELECT (CH SELECT)	CH VOL. (CH VOL)	CH VOL. (CH VOL)
①		DENON		
② (PHONO) H		TACHI A	HITACHI B	
③ (CD)		MITSUBISHI A	MITSUBISHI B	MITSUBISHI C
④ (TUNER)		PANASONIC	—	—
⑤ (VDP/TV)		JVC (VICTOR)	—	—
⑥		SONY		
⑦ (DAT/TAPE)		PIONEER	—	—
⑧		TOSHIBA		
⑨ (VCR-1) S A		N Y O A	SANYO B	
⑩ (VCR-2)		SHARP		
⑪ / 0		NEC A	NEC B	NEC C
⑫ / E (V.AUX / GAME)		PHILIPS A	PHILIPS B	PHILIPS C
0 (a)		RCA A	RCA B	
0 (b)		GENERAL ELEC YRIC A	GENERAL ELECTRIC B	
MODE (MODE)		MAGNAVOX A	MAGNAVOX B	MAGNAVOX C

NOTES:

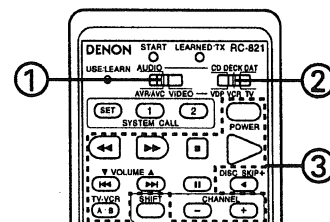
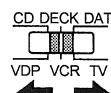
- The signals for the pressed buttons are emitted while setting the preset memory. To avoid accidental operation, cover the remote control unit's transmitting window while setting the preset memory.
- Some models and years of manufacture of components of the manufactures listed on Table 4-2 cannot be used.

4-3 Operation after components are registered

1. Set the slide switch to "VIDEO".

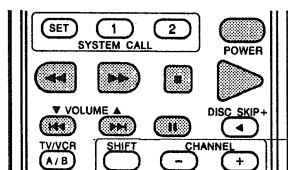


2. Set the slide switch to the component to be registered (VDP, VCR or TV)



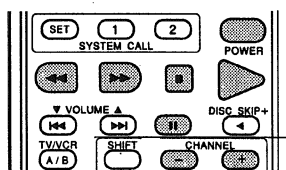
3. Use the buttons shown below to operate the video component. (Some models cannot be used,) For details refer to the respective component's manual.

a. VDP



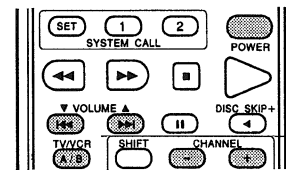
POWER : Power on/off
 <<<, >>> : Manual search (reverse and forward)
 ■ : stop
 ▶ : Play
 I<<<, >>>I : Auto search
 II : Pause

b. VCR



POWER : Power on/off
 <<<, >>> : Manual search (reverse and forward)
 ■ : stop
 ▶ : Play
 II : Pause
 CHANNEL : Channel selection
 +, -

c. TV



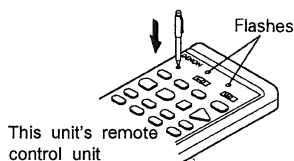
POWER : Power on/off
 VOLUME : Volume up/down
 ▲, ▼ : Volume up/down
 TV/VCR : TV/video selection
 CHANNEL : Channel selection
 +, -

4-4 Remote control unit learning function

If your AV components are not Denon products or if operation is not possible with the preset memory settings, the components remote control signals can be "learned" to enable remote control operation.

The buttons that can be "learned" are the CD, DAT and DECK system buttons (see page 12) and the VDP, VCR and TV system buttons (see page 14). (For the TV only, the A block buttons can also be "learned")

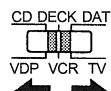
1. Press the USE/LEARN selector button with the tip of a pen etc., to set the learn mode. Both the START and LEARNED/TX indicators flash.



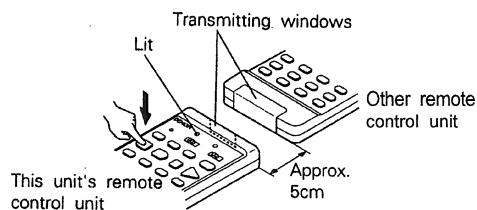
2. Set the program switch to the side to be "learned". Set to the AUDIO side for the CD, tape deck or DAT position, to the VIDEO side for the VDP, VCR or TV position.



3. Set the program switch to the position to be "learned".



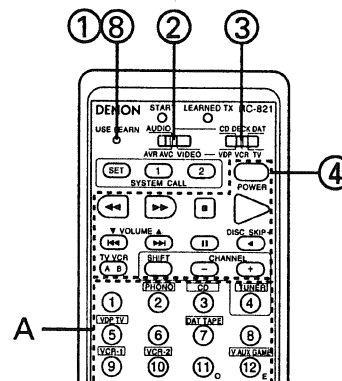
4. Set the remote control units so they are facing each other, then press the button to be "learned" on this unit's remote control unit.



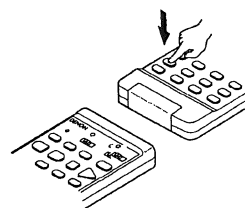
The indicator stops flashing and the START LED lights. The learnable buttons are the buttons which can be operated with the DENON system codes for the CD player, DAT and tape deck, the buttons which can be operated with the preset memory for the VCR, VDP and TV. For the TV only, however, the buttons in the section indicated "A" on the diagram above can also be "learned". Use these to "learn" TV channels.

NOTE:

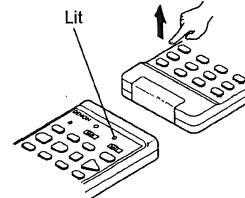
- Use button ⑪ / 0 as the 0 number button, button ⑫ / E as the enter button.



5. Check that the START LED is lit, then press the button to be "learned" on the other remote control unit.



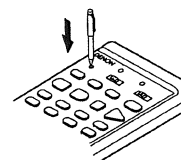
6. Once the START LED turns off and the LEARNED/TX LED lights, release the button on the other remote control unit.



The two LEDs start flashing again.

7. To "learn" other buttons, repeat steps 2 to 6.

8. Once the learning operation is completed, press the USE/LEARN selector button again. The two LEDs stop flashing and the learning mode is cancelled.



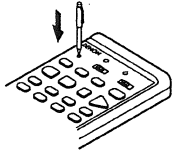
Check that the stored codes work properly.

NOTES:

- Up to 26 codes can be "learned", but this number may be lower if the codes are long.
- If a non-learnable button is pressed or two or more buttons are pressed at once, the two LEDs will once again light when the button(s) is released.
- If the codes could not be stored, the LEARNED/TX LED does not light after the START LED turns off. For limited number of models, codes cannot be stored in RC-821.
- If the two LEDs start flashing rapidly after the START LED lights, this means that the memory is already full, and the code you have just attempted to store was not stored. To "learn" that code, first perform the resetting operation.

4-5 Clearing "learned" remote control signals and the preset memory settings

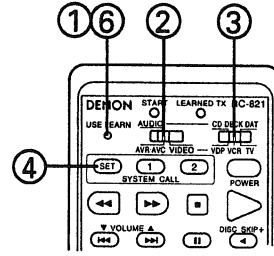
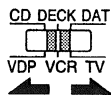
1. Press the USE/LEARN selector button with the **tip** of a pen, etc., to set the learn mode.



2. To clear "learned" remote control signals, set the slide switch to the position at which the signals were "learned". To clear the preset memory settings, set the slide switch to "VIDEO".



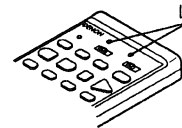
3. Set the slide switch to the position at which the signals were "learned" or at which the preset memory settings were set.



4. Press the SYSTEM CALL SET button, and hold it in for at least four seconds.



5. When both the START and LEARNED/TX LEDs light simultaneously, all the stored codes are cleared.

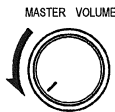


6. Press the USE/LEARN selector button

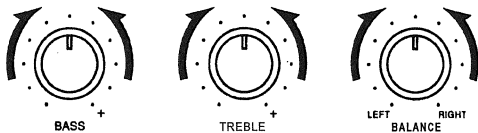
5 OPERATIONS

5-1 Preparations for Playback

1. Check that all connections are proper.
2. Set to the minimum position.



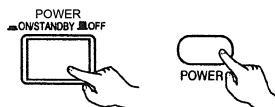
3. Set to the center position



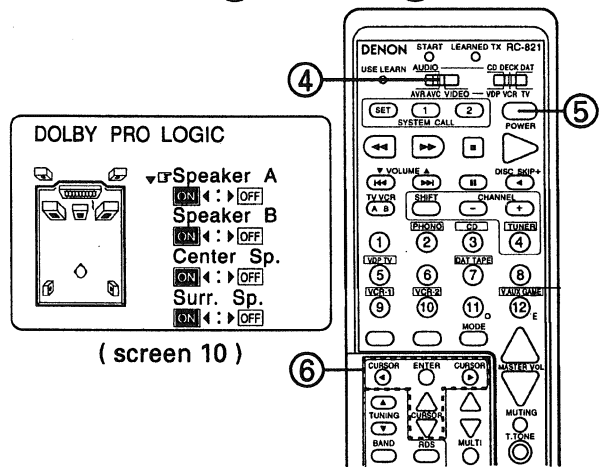
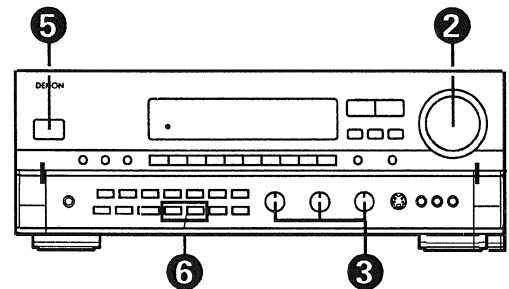
4. Set the remote control unit's slide switch to the AUDIO position. (only when the main unit is operated from the remote control unit)



5. Press the POWER switch (button) to turn the power on ().



- The power can only be turned on and to standby (off) with the POWER button on the remote control unit when the POWER switch on the main unit is set to ON/STANDBY.



6. Select the front speakers.

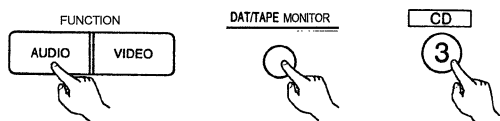
Press the speaker A or B switch to turn the speaker on.



- Display the "Menu" screen by pressing the ENTER button on the remote control unit, then select "Speaker Outputs" and use the CURSOR buttons to make the setting. (screen 10)

5-2 Playing the program source (Stereo playback)

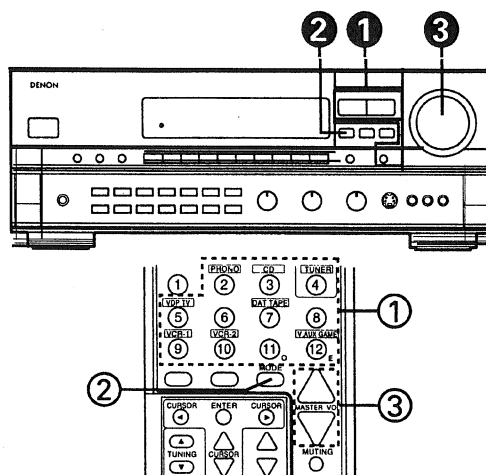
1. Select the source to be played.



2. Select the STEREO mode



3. Adjust the MASTER VOLUME control.



5-3 Adjusting the BALANCE control and TONE control

1. Adjust the front left/right BALANCE.

Turn the control counterclockwise to reduce the volume of the right channel, clockwise to reduce the volume of the left channel.



2. Adjust the BASS and TREBLE.



Turn the control clockwise to increase the bass, counterclockwise to decrease it.



Turn the control clockwise to increase the treble, counterclockwise to decrease it.

3. A.V.S.E switch

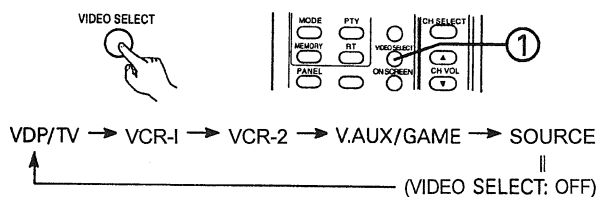
Turn this switch on to create a powerful sound with even stronger low bass.



5-4 Simulcast playback

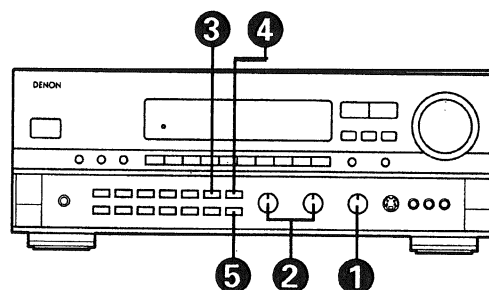
Use this switch to monitor a video source other than the audio source.

1. Press the VIDEO SELECT button repeatedly until the desired source appears on the display.



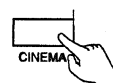
* Cancelling simulcast playback

- Press the VIDEO SELECT button repeatedly until the source appears on the display.
- Select the VIDEO function.



4. CINEMA EQ. switch

This button is used when playing back movie video software and the speech portion is felt to be harsh upon the ears. The output frequency response of the center and front speakers becomes closer to that in a theater and the sound becomes more pleasant to the ears.



5. TONE DEFEAT switch

Use this when you do not want to adjust the sound. This can be used in the stereo mode. The "TONE" indicator turns off when TONE DEFEAT is turned on.

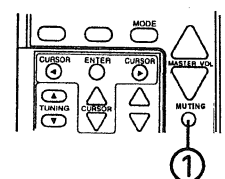


- To make the A.V.S.E, CINEMA EQ. and TONE settings from the remote control unit, display the "Menu" screen by pressing the ENTER button, then select "Surround Parameters" and use the CURSOR buttons to make the setting.

5-5 Using the muting function

Use this to turn off the audio output temporarily.

1. Press the MUTING button.



* Cancelling MUTING mode.

Press the MUTING button again