

# KENWOOD

DVD HOME THEATER SYSTEM

**DVT-6300**

**DVT-7300**

**DVT-8300**

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## INSTRUCTION MANUAL

KENWOOD CORPORATION

This instruction manual is for some models. Model availability and features (functions) may differ depending on the country and sales area.



*MP3 / WMA*



## Before applying power

 **Caution : Read this page carefully to ensure safe operation.**





Units are designed for operation as follows.

*U.S.A. and Canada* ..... **AC 120 V only**  
*Europe and U.K.* ..... **AC 230 V only**  
*Australia* ..... **AC 240 V only**

## Safety precautions

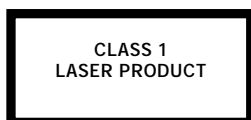
 **Caution : Read this page carefully to ensure safe operation.**

**WARNING : TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

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

### The marking of products using lasers

(For countries other than U.S.A. and Canada)



The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.

Location: Back panel

## Unpacking

Unpack the unit carefully and make sure that all the accessories are present.

If any accessories are missing, or if the unit is damaged or fails to operate, notify your dealer immediately. If the unit was shipped to you directly, notify your shipper immediately. Kenwood recommends that you retain the original carton and packing materials in case you need to move or ship the unit in the future.

Keep this manual handy for future reference.

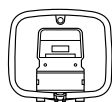
## Accessories

Please confirm that the following accessories are present.

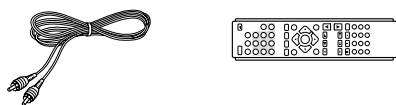
FM indoor antenna (1)  
(For Europe) (For U.S.A., Canada and Australia)



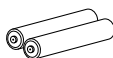
Loop antenna (1)



Video cord (Yellow) (1) Remote control unit (1)



Batteries (R03/AAA) (2)

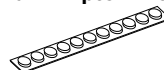


Accessories for speaker part  
(For DVT-6300 and DVT-7300)  
Speaker cords (6)



	Length
For Front (2)	4.5 m (177-3/16")
For Center (1)	3 m (118-1/8")
For Rear (2)	8 m (314-15/16")
For Subwoofer (1)	4.5 m (177-3/16")

Cushion (15)  
(Small : 11 pcs × 1 sheet) (Big : 4 pcs × 1 sheet)



### For the U.S.A.

#### CAUTION:

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, the following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD CORPORATION  
2967-3, ISHIKAWA-CHO,  
HACHIOJI-SHI,  
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT  
CONFORMS TO DHHS REGULATIONS NO. 21 CFR  
1040.10, CHAPTER 1, SUBCHAPTER J.

Location: Back Panel

### For the U.S.A.

#### Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 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.

### For Canada

NOTICE: This Class B digital apparatus complies with Canadian ICES-003.

### For the U.S.A.

#### FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

#### NOTE:

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

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

## Special features

This document classifies the applications of each feature using the following marks.

**(DVD)** : Description of a feature that can be used with DVD.

**(CD)** : Description of a feature that can be used with CD.

**(VCD)** : Description of a feature that can be used with VCD.

- ◆ Higher video quality than S-VHS video and LaserDisc **(DVD)**
- ◆ Higher audio quality than music CD **(DVD)**
- ◆ On screen Display (OSD) **(DVD)** **(CD)** **(VCD)**
- ◆ MP3, WMA and JPEG files playback
- ◆ Dolby Digital, DTS Decoder built-in **(DVD)** **(CD)** **(VCD)**
- ◆ Dolby Pro Logic II Decoder built-in **(DVD)** **(CD)** **(VCD)**

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## Types of playable discs

The system using this unit does not only play music from CD but can also play the discs listed below to offer you high-quality entertainment of video of movies and live concerts.

Playable Disc	DVD VIDEO		CD (CD-R, CD-RW)		VCD (SVCD*)	
Logo mark on disc						
Disc size	 8cm	 12cm	 8cm	 12cm	 8cm	 12cm
Played sides	One or both	One or both	One side only	One side only	One side only	One side only
Contents	Video + Audio	Approx. 41 min. (1 side, 1 layer) Approx. 75 min. (1 side, 2 layers) Approx. 82 min. (2 sides, 1 layer) Approx. 150 min. (2 sides, 2 layers)	Approx. 133 min. (1 side, 1 layer) Approx. 242 min. (1 side, 2 layers) Approx. 266 min. (2 sides, 1 layer) Approx. 484 min. (2 sides, 2 layers)			Max. 20 min.  Max. 74 min.  (In case of an SVCD, the possible playback time becomes shorter.)
	Audio			Max. 20 min., digital	Max. 80 min., digital	

MP3 WMA media and JPEG picture CD those can be played back with this equipment (CD-R, CD-RW) → 38

- \* This unit can play SVCDs, but some functions will not work.
- This unit can play back DVD-R and DVD-RW discs recorded in the DVD VIDEO format and DVD+R and DVD+RW discs, but depending on the recording unit, the disc manufacturer, etc., playback sometimes may not be possible.
- This unit may also be incapable of playing certain CD-R/RW discs depending on their properties, recording conditions, etc.

## Unplayable discs

This player cannot play back any of the following discs.

<p>DVD AUDIO discs DVD-ROM discs DVD-RAM discs SACD discs CD-ROM discs (Except MP3, WMA and JPEG discs [ISO 9660 level 1])</p> <ul style="list-style-type: none"> <li>• A DVD VIDEO disc with a region code which does not match this unit or without a region code. For details, see "Region Codes". → 9</li> <li>• When the video format of a disc differs from that of the TV in use, the disc cannot be played normally. For details, see "Video Formats". → 10</li> </ul>	<p>VSD discs CDV discs (Only the audio part can be reproduced.) CD-G/CD-EG/CD-EXTRA discs (Only the audio can be reproduced.) Photo CD discs (Never attempt to play them.)</p>
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## Icons on the DVD VIDEO discs

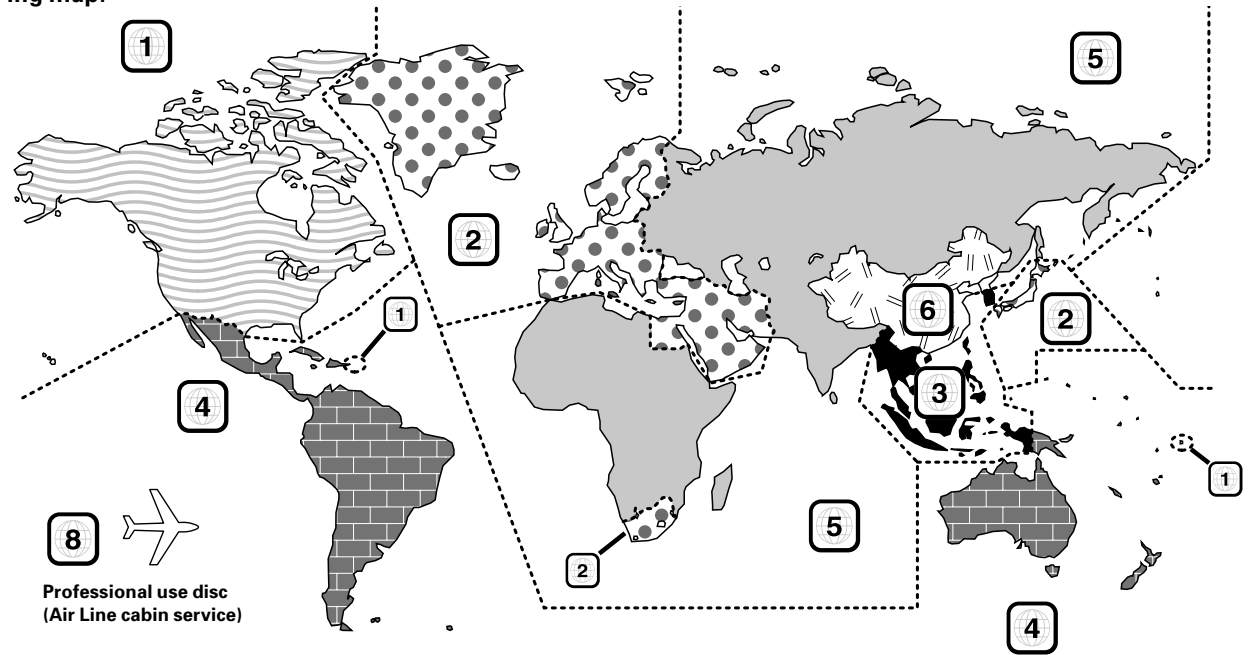
Icon	Description
	Indicates the region code where the disc can be played.
	Number of voice languages recorded with the audio function. The number in the icon indicates the number of voice languages. (Max. 8 languages)
	Number of subtitle languages recorded with the subtitle function. The number in the icon indicates the number of subtitle languages. (Max. 32 languages)
	Number of angles provided by the angle function. The number in the icon indicates the number of angles. (Max. 9 angles)
	Aspect ratios that can be selected. "4:3 Letter box" stands for Letter Box and "4:3 Panscan" for Pan/Scan. → 16 In the example on the left, the 16:9 video can be converted into letter box video.

Every player of this model has a certain region code assigned to it based on the country where the player is used. When the player is used to play back DVD VIDEO discs, it can only play the DVD VIDEO discs carrying the region codes matching the region code of the player.

The region code for this player is described on the rear panel of the player.

## Region codes in the world

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.



### Region codes of the DVD VIDEO discs that can be played with this player

This player can play back a DVD VIDEO disc which carries the corresponding code to the region code of the player shown in the table above, a marking containing the region code of the player or the "ALL" marking shown below. Even when a DVD VIDEO disc does not carry any indication of the region code, it may sometimes be unable to be played on this player due to certain restrictions.



### Restrictions due to difference between discs

Some DVD and VCD discs can be played only in certain playback modes according to the intentions of the software producers. As this player plays discs according to their intentions, some functions may not work as intended by you. Please be sure to read the instructions provided with each disc. When an inhibition icon is displayed on the TV screen connected to the player, it indicates that the disc being played is under the restriction as described above.

Inhibition icon



The TV picture display and disc signal systems can be divided roughly into two TV formats (NTSC and PAL).

They are variable depending on countries and areas.

### TV formats of major countries

TV Format	Major Countries & Areas
NTSC	Japan, Taiwan, Korea, USA, Canada, Mexico, Philippines, Chile, etc.
PAL	China, U.K., Germany, Australia, New Zealand, Kuwait, Singapore, etc.

This unit has a function for changing the video format according to the TV type. Please confirm the type of your TV.

### Checking the Video Format

Check the video format of the TV to be used

#### When the video formats are different :

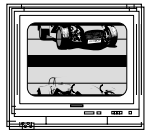
Try playing the disc. If the video formats of the disc and TV do not match, the played video may be black and white or become as shown below.



Top and bottom edges are not displayed.



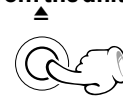
Top and bottom areas are dark.



Picture turbulence due to sync unmatching.

### To select TV Type (For Europe and Australia)

- 1 Remove the disc from the unit, then close the tray.



- 2 Press and hold the PAUSE key on the front panel for more than 5 seconds to be able to select a TV type (PAL, NTSC or AUTO).

|| /ST./MONO



## Maintenance

### Maintenance of the unit

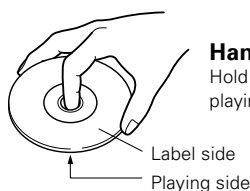
When the front panel or case becomes dirty, wipe with a soft, dry cloth. Do not use thinner, benzine, alcohol, etc. for these agents may cause discoloration.

### In regard to contact cleaner

Do not use contact cleaners because it could cause a malfunction. Be specially careful not to use contact cleaners containing oil, for they may deform the plastic component.

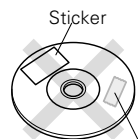
## Reference

### Disc handling precautions

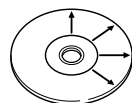


#### Handling

Hold the disc so that you do not touch the playing surface.



Do not attach paper or tape to either the playing side or the label side of the disc.



#### Cleaning

If there are fingerprint marks or foreign matter found on the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.

#### Storage

When a disc is not to be played for a long period of time, remove it from the player and store it in its case.

### Never play a cracked or warped disc

During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent. Please do not use discs which are not round because they may cause malfunction.

### Disc accessories

The disc accessories (stabilizer, protection sheet, protection ring, etc.) which are marketed for improving the sound quality or protecting discs as well as the disc cleaner should not be used with this system because they may cause malfunction.

### Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Set the POWER ON/OFF switch to the ON without loading a disc.
2. Wait a few seconds and verify that the display shown appears.

"NO DISC"

3. Set the POWER ON/OFF switch to OFF.

### Caution on condensation

Condensation (of dew) may occur inside the unit when there is a great difference in temperature between this unit and the outside. This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours and restart the operation after the condensation has dried up.

Be specially cautious against condensation in the following circumstances:

When this unit is carried from one place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc.



**Make connections as shown below.**  
**When connecting the related system components, refer also to the instruction manuals of the related components.**

**Caution:**  
**Do not plug in the power lead until all connections are completed.**

**Caution**

Be sure to adhere followings. Or proper ventilation will be blocked causing damage or fire hazard.

- Do not place any objects impairing heat radiation onto the top of unit.
- Leave a space around the unit (from the largest outside dimension including projection) equal or greater than, shown below.

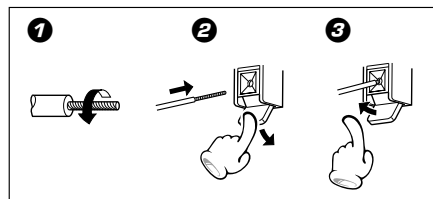
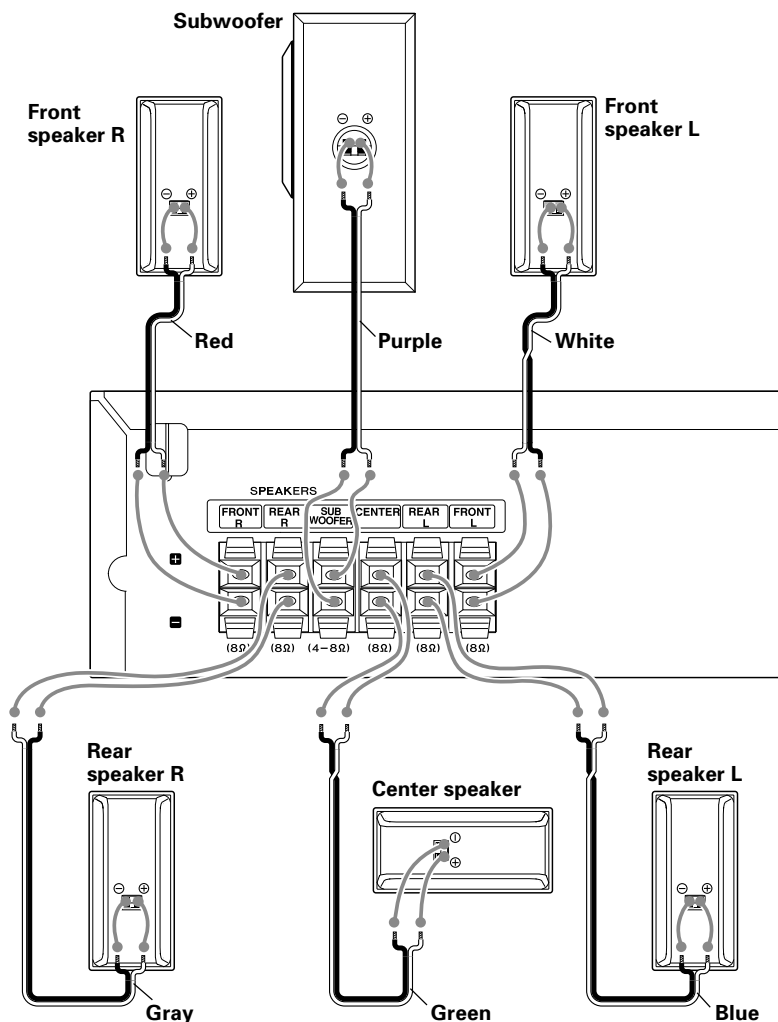
Top panel : 50 cm      Side panel : 10 cm      Back panel : 10 cm

**Malfunction of microcomputer**

If operation is not possible or erroneous display appears even though all connections have been made properly, reset the microcomputer referring to "In case of difficulty".



## Loudspeakers

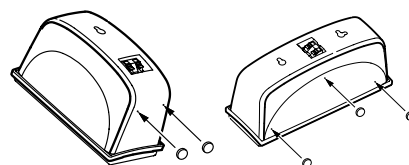


**Note** Excessive insertion of the cable can cause defective contact.

**Attaching the cushions**  
 (For DVT-6300 and DVT-7300)

Attach cushions to the base of the speaker as shown below. The cushions prevent the speaker from sliding, and dampen its vibrations.

**Front speakers, Surround speakers      Center speaker**



**Subwoofer**

Attach four cushions to the base of the subwoofer, one at each corner.

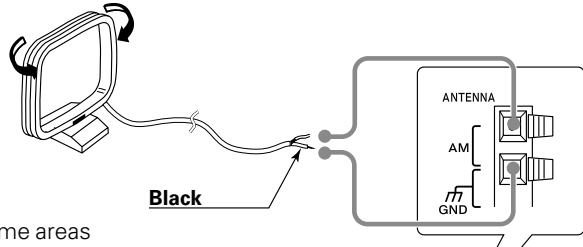
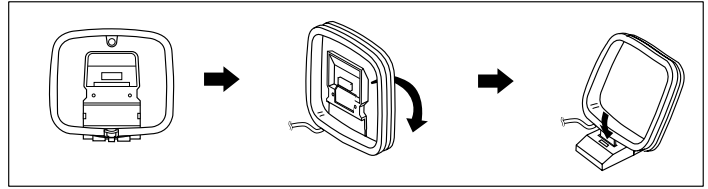
**Speaker model name**

System model name	Speaker system name		Remark
	Front L, R, Center Rear L, R	Subwoofer	
DVT-6300	KSW-6300		
DVT-7300	KSW-7300		Refer to instruction manual for speaker stand in speaker part.
DVT-8300	KS-908HT	SW-18HT	Refer to each instruction manual for speaker system in speaker part.

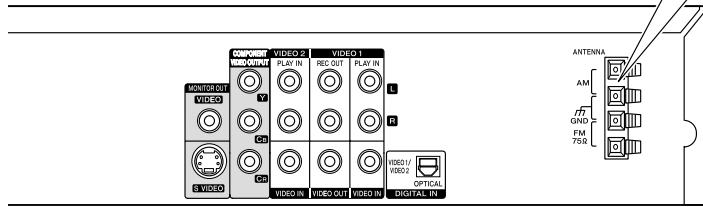
# AM loop antenna

## AM loop antenna connection

The supplied antenna is for indoor use. Place it as far as possible from the main system, TV set, speaker cords and power cord, and set it to a direction which provides the best reception.



Example for some areas

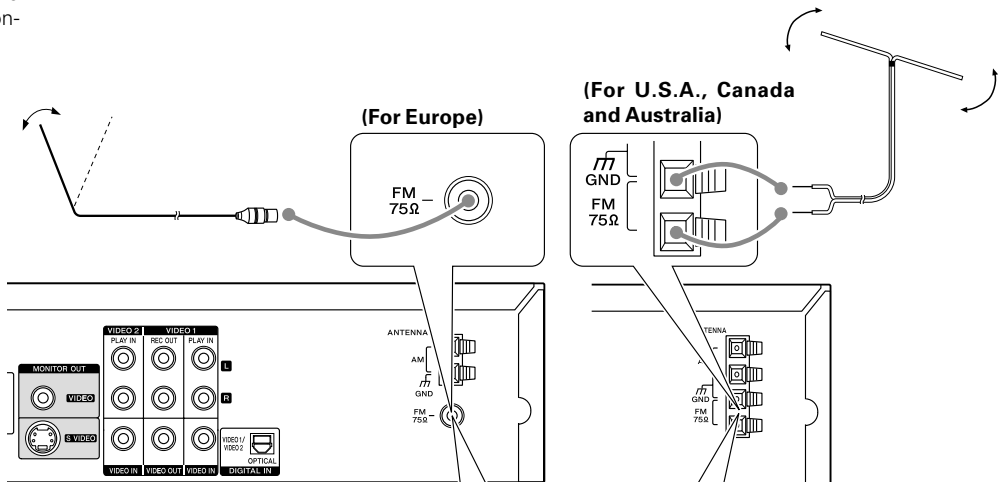


# FM antenna

## FM indoor antenna connection

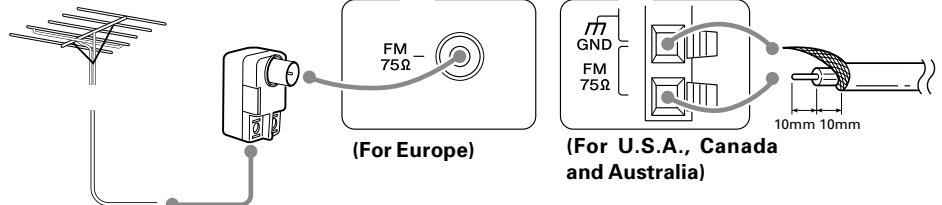
The accessory antenna is for temporary indoor use only. For stable signal reception we recommend using an outdoor antenna. Remove the indoor antenna if you connect one outdoors.

- 1 Connect to the antenna terminal.
- 2 Locate the position providing good reception condition.
- 3 Fix the antenna.



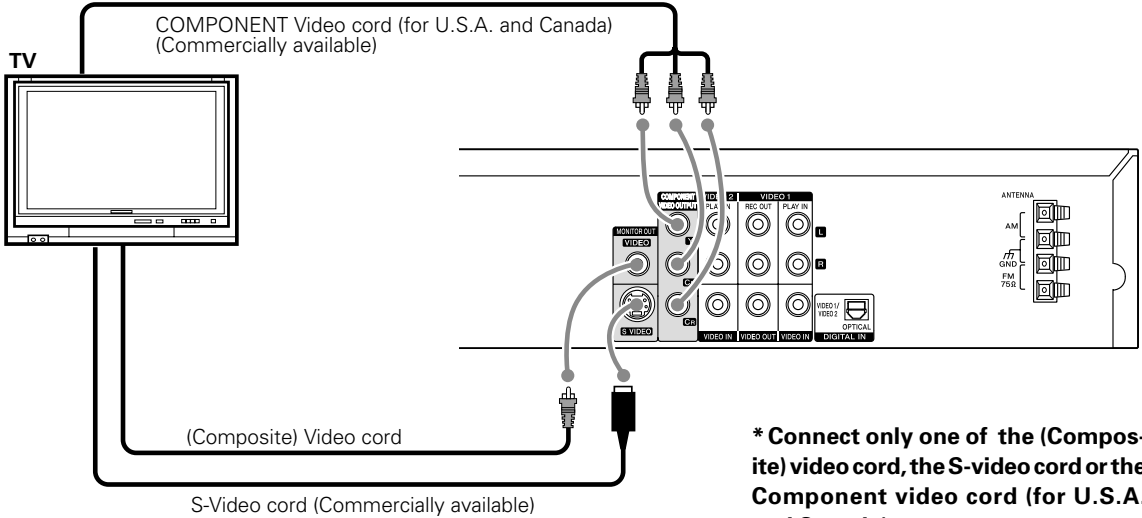
## FM outdoor antenna (commercially available)

Lead the 75 Ω coaxial cable connected to the FM outdoor antenna into the room and connect it to the FM 75 Ω terminal.



## Connecting to a TV (for U.S.A., Canada and Australia)

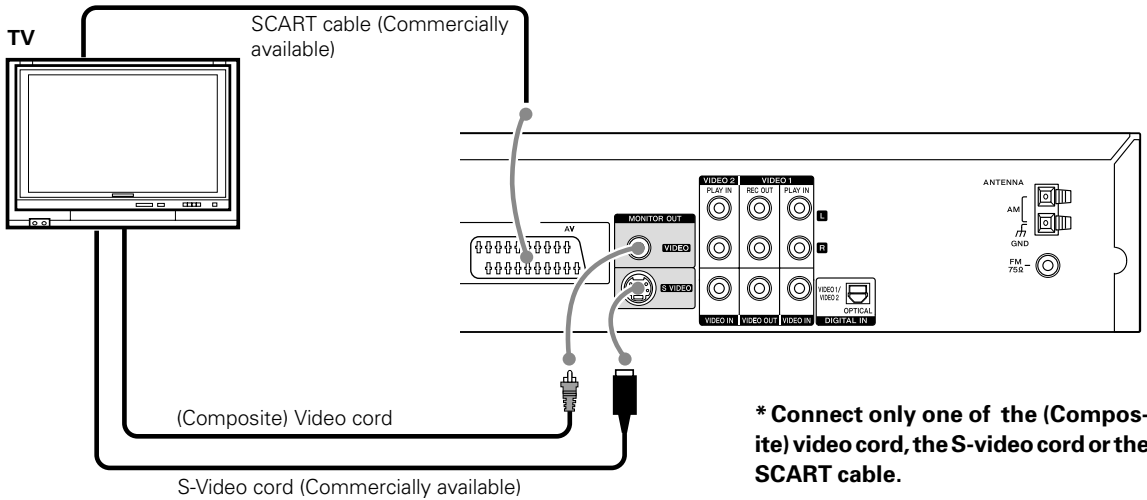
**Note** The S-Video output terminal of this unit is only for output of the built-in DVD player. The output of equipment connected to VIDEO1 or VIDEO2 is put out as a composite signal.



\* Connect only one of the (Composite) video cord, the S-video cord or the Component video cord (for U.S.A. and Canada).

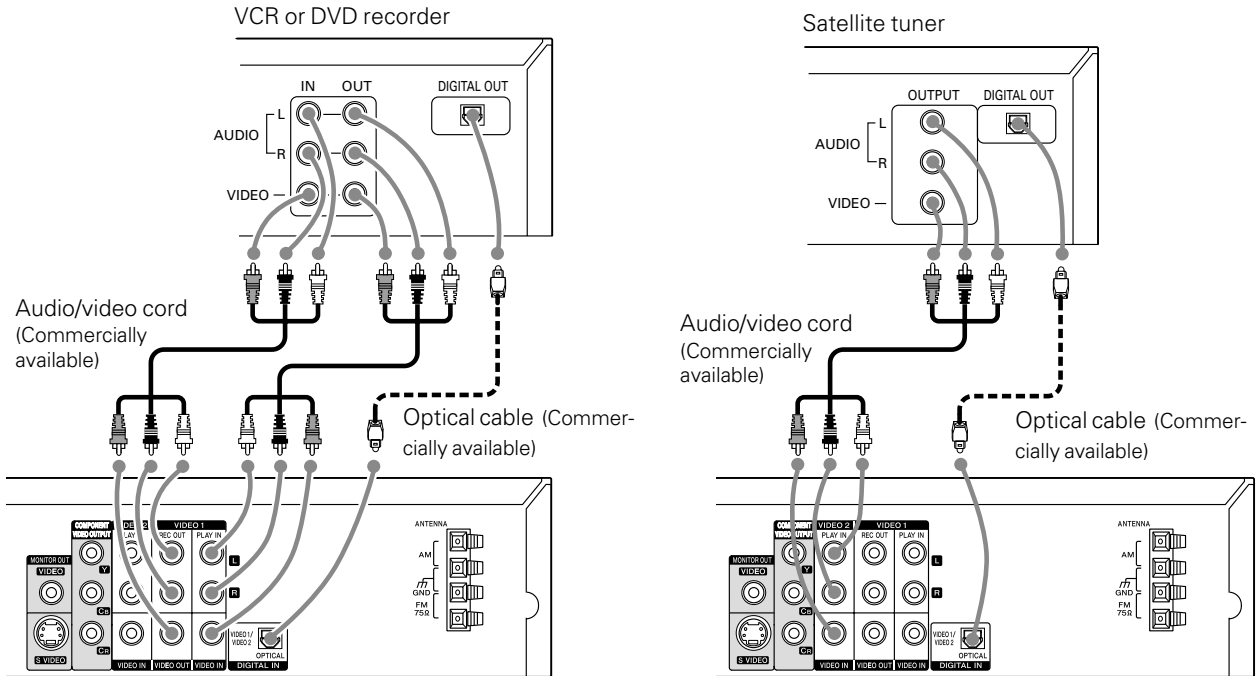
## Connecting to a TV (for Europe)

**Note** The S-Video output terminal of this unit is only for output of the built-in DVD player. The output of equipment connected to VIDEO1 or VIDEO2 is put out as a composite signal.



\* Connect only one of the (Composite) video cord, the S-video cord or the SCART cable.

## Connecting to Audio video equipments

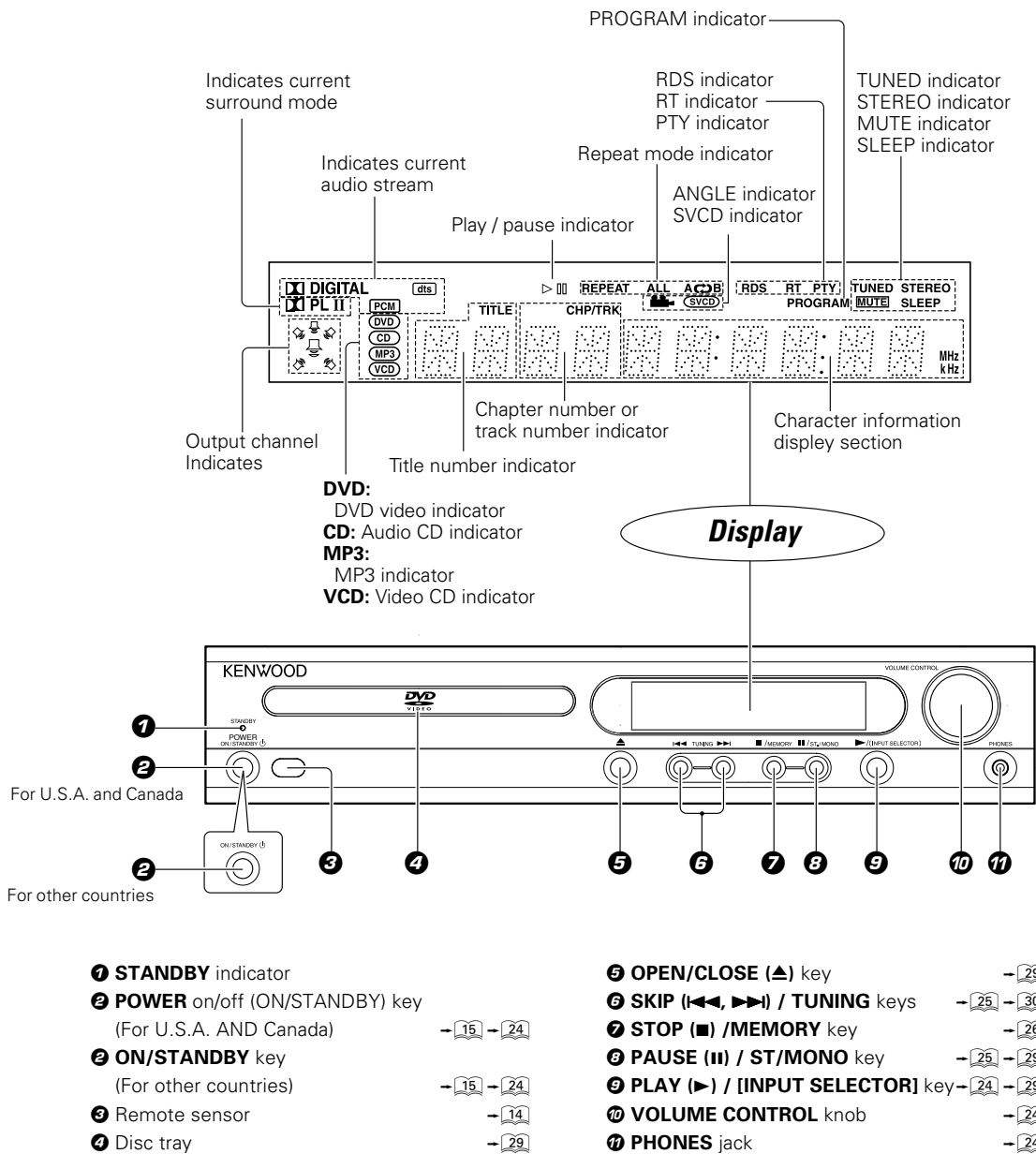


**When the equipment connected to VIDEO1 or VIDEO2 of this unit has an optical digital output, an optical cable can be used for connection. (Only VIDEO1 or VIDEO2 can be connected.)**

### DTS disclaimer clause

DTS Digital Surround™ is a discrete 5.1 channel digital audio format available on CD, LD, and DVD software which consequently cannot be decoded and played back inside most CD, LD, or DVD players. For this reason, when DTS-encoded software is played back through the analog outputs of the CD, LD, or DVD player, excessive noise will be exhibited. To avoid possible damage to the audio system, proper precautions should be taken by the consumer if the analog outputs are connected directly to an amplification system. To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the digital output (S/P DIF, AES/EBU, or TosLink) of the CD, LD or DVD player.

This unit is equipped with DTS Digital Surround™ decoder.

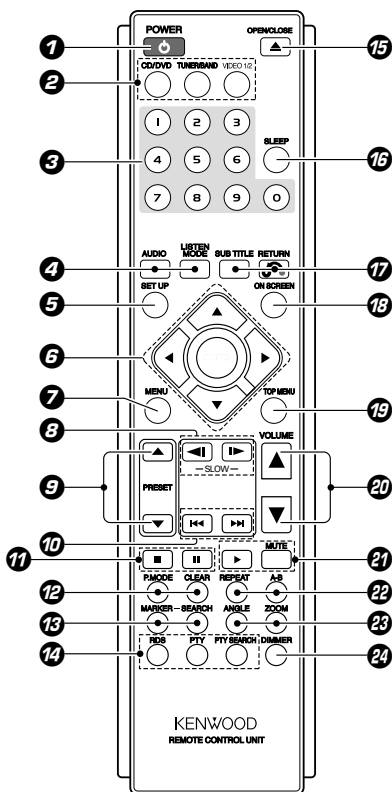


## Standby mode

While the standby indicator is lit, a small amount of power is supplied to the system to back up the memory. This is called standby mode. Under the condition, the system can be turned ON by the remote control unit.

The keys on the remote control unit with the same names as the main unit have the same function as the keys on the main unit.

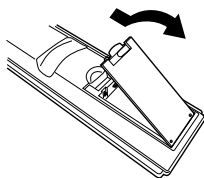
- |  |           |                                 |                        |
|--|-----------|---------------------------------|------------------------|
| 1 POWER key  | - 24      | 24 RDS key (for Europe only)    | - 27                   |
| 2 INPUT SELECTOR keys                                  | - 24      | PTY key (for Europe only)       | - 28                   |
| CD/DVD key   |           | PTY SEARCH key                  | (for Europe only) - 28 |
| TUNER/BAND key   |           | 15 OPEN/CLOSE (▲) key           | - 29                   |
| VIDEO 1/2 key  |           | 16 SLEEP key                    | - 42                   |
| 3 Numeric keys   | - 25 - 31 | 17 SUB TITLE key                | - 32                   |
| 4 AUDIO key  | - 21      | RETURN (↻) key                  | - 39                   |
| LISTEN MODE key  | - 21      | 18 ON SCREEN key                | - 23                   |
| 5 SET UP key   | - 15      | 19 TOP MENU key                 | - 29                   |
| 6 Cursor Up (▲), Down (▼), Left (◀) and Right (▶) keys | - 15      | 20 VOLUME Up (▲), Down (▼) keys | - 24                   |
| ENTER key  | - 15      | 21 ► (play) key                 | - 29                   |
| 7 MENU key   | - 29      | MUTE key                        | - 24                   |
| 8 SLOW (◀ I ▶) keys                                    | - 31      | 22 REPEAT key                   | - 34                   |
| 9 PRESET keys  | - 25      | (REPEAT) A-B key                | - 34                   |
| 10 I◀◀, ▶▶I (Skip) keys                                | - 25 - 30 | 23 ANGLE key                    | - 33                   |
| 11 (stop) key  | - 26 - 29 | ZOOM key                        | - 34                   |
| II (pause) key   | - 25 - 29 | 24 DIMMER key                   | - 42                   |
| 12 P.MODE key  | - 36      |                                 |                        |
| CLEAR key  | - 37      |                                 |                        |
| 13 MARKER key  | - 32      |                                 |                        |
| (MARKER)-SEARCH key                                    | - 32      |                                 |                        |



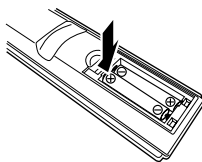
Model : RC-R031E (for Europe)  
RC-R0311 (for other countries)  
Infrared ray system

## Loading batteries

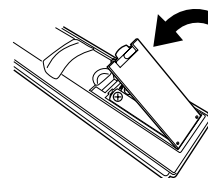
1 Remove the cover.



2 Insert batteries.



3 Close the cover.

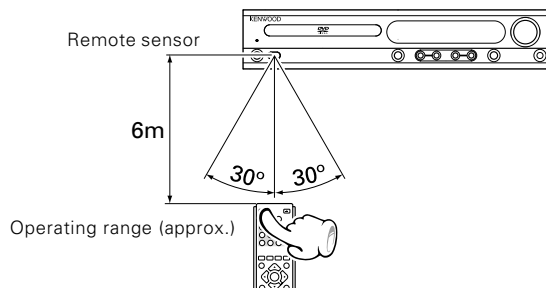


- Insert two R03 ("AAA"-size) batteries following the polarity indications.

## Operation

Insert the power plug into a power outlet, press the POWER (ON/STANDBY) key of the main unit or POWER key on the remote control to on, then press the desired remote control key.

- When pressing more than one remote control keys successively, press the keys securely by leaving an interval of 1 second or more between pressing of keys.



1. The provided batteries are intended for use in operation checking, and their service life may be short.
2. When the remote controllable distance becomes short, replace both of the batteries with new ones.
3. If direct sunlight or the light of a high-frequency fluorescent lamp (inverter type, etc.) is incident to the remote sensor, malfunction may occur. In such a case, change the installation position to avoid malfunction.

## Preparation for Set Up

- 1 Set the POWER key (ON/STANDBY key) to power on.

ON/STANDBY 



- 2 Set Video Format according to the connected TV type. (To select TV Type → ) (For Europe and Australia)

MAIN UNIT

|| /ST./MONO



If the video formats of the disc and TV do not match, press and hold PAUSE key on the front panel for more than 5 seconds to be able to select a TV type (PAL, NTSC or AUTO). (No disc inserted)

## Set up menu

### Initial Settings

By using the Setup menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup menu, among other things. For details on each Setup menu item, see pages 16 to 18.

### To display and exit the Menu:

Press SETUP key to display the menu. A second press of SETUP key will take you back to initial screen.

SET UP



### To go to the next level:

Press the Cursor right (▶) key on the remote.



### To go back to the previous level:

Press the Cursor left (◀) key on the remote.



### General Operation

- 1 Press SETUP key.

The Setup menu appears.

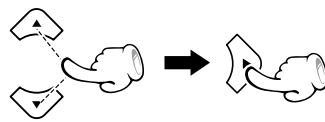
SET UP



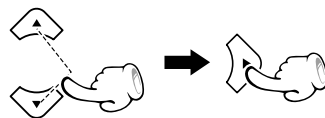
Disc Audio	Original
Disc Subtitle	English
Disc Menu	French
Rating	German
Country Code	Spanish
TV Aspect	Italian
Menu Language	Chinese
Progressive Scan	Polish
5.1 Speaker Setup	Hungarian
Others	Other ---□

- 2 Use the Cursor up/down (▲/▼) keys on the remote to select the desired option, then press the Cursor right (▶) key to move to the second level.

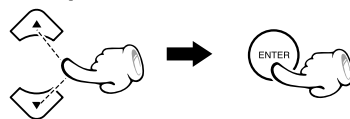
The screen shows the current setting for the selected item, as well as alternate setting(s).



- 3 Use the Cursor up/down (▲/▼) keys on the remote to select the second desired option, then press the Cursor right (▶) key to move to the third level.



- 4 Use the Cursor up/down (▲/▼) keys on the remote to select the desired setting, then press ENTER key to confirm your selection. Some items require additional steps.



- 5 Press SETUP key, RETURN key or PLAY key to exit the Setup menu.


## Language

Disc Audio	✓Original
Disc Subtitle	English
Disc Menu	French
Rating	German
Country Code	Spanish
TV Aspect	Italian
Menu Language	Chinese
Progressive Scan	Polish
5.1 Speaker Setup	Hungarian
Others	Other ----□

### Disc Audio/Disc Subtitle/Disc Menu

Select the language you prefer for the audio Track (Disc Audio), Subtitles, and the Disc Menu

**Original:** Refers to the original language in which the disc was recorded.

**Other:** To select another language, press numeric keys then **ENTER** key to enter the corresponding digit number according to the language code list (→ ) in the reference chapter. If You enter the wrong Language code, press **CLEAR** key.

Disc Audio	✓English
Disc Subtitle	Spanish
Disc Menu	French
Rating	
Country Code	
TV Aspect	
Menu Language	
Progressive Scan	
5.1 Speaker Setup	
Others	

### Menu Language

Select a language for the Setup menu. This is the menu you see when you press **SETUP** key.

## TV Aspect

Disc Audio	4:3 Letterbox
Disc Subtitle	4:3 Panscan
Disc Menu	✓16:9 Wide
Rating	
Country Code	
TV Aspect	
Menu Language	
Progressive Scan	
5.1 Speaker Setup	
Others	

### TV Aspect

**4:3 Letterbox:** Select when a standard 4:3 TV is connected. Displays a wide picture with bands on the upper and lower portions of the screen.

**4:3 Panscan:** Select when a standard 4:3 TV is connected. Automatically displays the wide Picture on the entire screen and cuts off the portions that do not fit.

**16:9 Wide :** Select when a 16:9 wide TV is connected.

## LOCK (Parental Control)

Disc Audio	8
Disc Subtitle	7
Disc Menu	6
Rating	5
Country Code	4
TV Aspect	3
Menu Language	2
Progressive Scan	1
□	✓Unlock
5.1 Speaker Setup	Change
Others	

### Rating

Some movies contain scenes that may not be suitable for children to view. Many of these discs contain parental control information that applies to the complete disc or to certain scenes on the disc. Movies and scenes are rated from 1 to 8, depending on the country. Some discs offer more suitable scenes as an alternative.

The parental control feature allows you to block access to scenes below the rating you input, thereby preventing your children from being able to view material you believe is unsuitable.

① Select "Rating" on the setup menu then press the Cursor right (▶) key.

② **When you have not entered a password;**

Enter a 4-digit password using the numeric keys to create a personal 4-digit security password. then press **ENTER** key. Enter the 4-digit password again and press **ENTER** key to verify.

**When you have already registered a password;**

Enter a 4-digit password using the numeric keys to confirm the personal 4-digit security password, then press **ENTER** key.

If you make a mistake before pressing **ENTER** key, press **CLEAR** key and enter 4-digit security password again.

③ Select a rating from 1 to 8 using the Cursor up/down (▲/▼) keys.

**Rating 1-8:** Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.

### Unlock

If you select unlock, parental control is not active and the disc plays in full.



If you set a rating for the player, all disc scenes with the same rating or lower are played. Higher rated scenes are not played unless an alternate scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback stops. You must enter the 4-digit password or change the rating level in order to play the disc.

④ Press **ENTER** key to confirm your rating selection, then press **SETUP** key to exit the menu.



This function may not work for some DVDs.



## LOCK (Continued)

### Changing the Password (4-digit code)

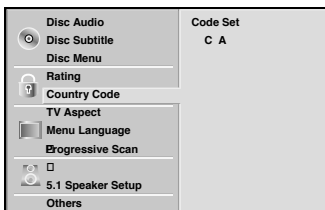
- 1 Select LOCK on the setup menu then press the Cursor right (▶) key.
- 2 Enter the old 4-digit code, then press ENTER key.
- 3 Select "Change" using the Cursor up/down (▲/▼) keys. then press ENTER.
- 4 Enter the new 4-digit code, then press ENTER key. Input it again to verify.
- 5 Press SETUP key to exit the menu.

### If you forget Password

If you forget your security code you can clear using the following steps:


- 1 Press SETUP key to display the Setup menu.
- 2 Input the 6-digit number "210499" and the password is cleared.
- 3 Enter a new code as described above.

## Country Code



Enter the code of the country/area whose standards were used to rate the DVD video disc, based on the list in the reference chapter.

Ratings are country-dependent.

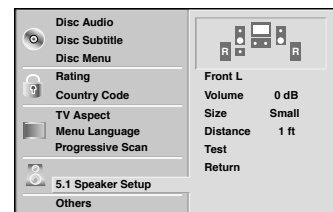
- 1 Select "Country Code" (→ ) on the setup menu, then press the Cursor right (▶) key.
- 2 Follow step 2 of "Rating" on page 16.
- 3 Select the first character using the Cursor up/down (▲/▼) keys.
- 4 Shift the cursor using the Cursor right (▶) key. and select the second character using the Cursor up/down (▲/▼) keys.
- 5 Press ENTER to confirm your country code selection.

## 5.1 Speaker Setup

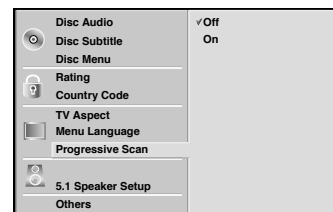
Select speaker settings, including volume balance and delay time, or test the speaker settings.

Speaker settings are only active on the Analog Multi-Channel Output.

Refer to "Speaker setting" . → 



## Progressive Scan (for U.S.A. and Canada)



Progressive Scan Video provides the highest quality pictures with less flickering.

If you are using the **COMPONENT VIDEO OUT/ PROGRESSIVE SCAN** jacks, but are connecting the DVD Player to a standard (analog) television, set Progressive Scan to Off.

If you are using the Component Video jacks for connection to a TV or monitor that is compatible with a progressive scan signal, set Progressive Scan to On.



Once the setting for progressive scan output is entered, an image will only be visible on a progressive scan compatible TV or monitor. If you set Progressive Scan to On in error, you must reset the unit.

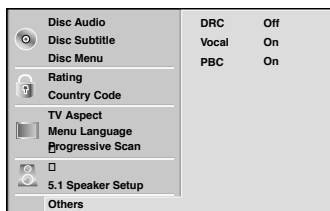
- 1 Press ■ (stop) key to stop any disc that is playing.
- 2 Press ■ (stop) key again for more than 5 seconds.

The video output will be restored to the standard setting, and a picture will once again be visible on a conventional analog TV or monitor.

## Others

The DRC, Vocal and PBC settings can be changed.

Press the Cursor up/down (▲/▼) keys to select the desired item and press ENTER key. The setting of the selected item is changed between On and Off.



### Dynamic Range Control (DRC)

With the DVD format, you can hear a program's soundtrack in the most accurate and realistic presentation possible, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). This allows you to listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

This function operates only at the time of playback of DVDs recorded with Dolby Digital.

### Vocal

Set to on only when a multi-channel karaoke DVD is playing. The karaoke channels on the disc mix into normal stereo sound.

### PBC

Set Playback Control (PBC) to On or Off.

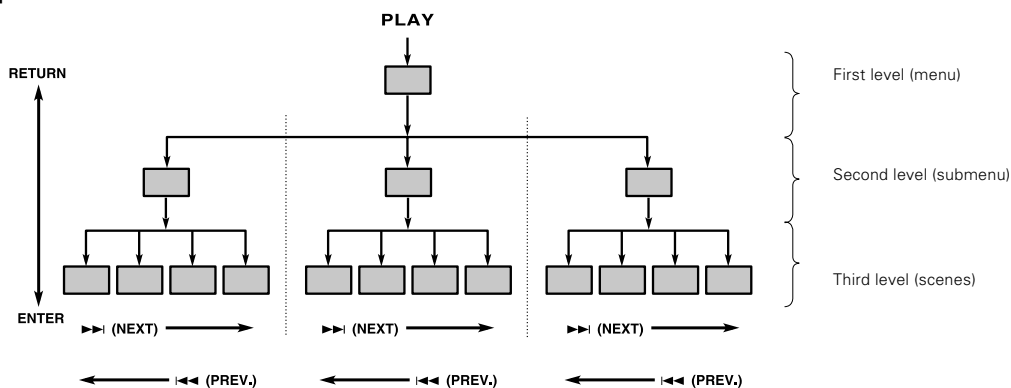
**On:** Video CDs with PBC are played according to the PBC.

**Off:** Video CDs with PBC are played the same way as Audio CDs.

## Hierarchical structure of VCD menus (P.B.C. function)

When an item is selected on the menu screen during playback of a P.B.C.-compatible VCD, another menu with more details items may be displayed. When a number of menus are connected in multiple layers in this way, it is said that the menus have a hierarchical structure. In this structure, the desired scene can be reached by repeating item selections on the menu screens.

Example for a hierarchical structure



### Advancing

When an item is selected on the menu screen with the ENTER (Select) key or the numeric keys, advance is made to the next lower menu level. When the advance destination is the "scene" to be played, the contents will be played.

- When several menus (scenes) can be selected in each level, screen switching is possible with the keys ▶▶ (NEXT) and ◀◀ (PREV.).

### Returning

Each time the RETURN key is pressed, return is made to the next higher menu.

## DVD menu language code list

Language	Code
Abkhazian	6566
Afar	6565
Afrikaans	6570
Albanian	8381
Ameharic	6577
Arabic	6582
Armenian	7289
Assamese	6583
Aymara	6588
Azerbaijani	6590
Bashkir	6665
Basque	6985
Bengali; Bangla	6678
Bhutani	6890
Bihari	6672
Breton	6682
Bulgarian	6671
Burmese	7789
Byelorussian	6669
Cambodian	7577
Catalan	6765
Chinese	9072
Corsican	6779
Croatian	7282
Czech	6783
Danish	6865
Dutch	7876
English	6978
Esperanto	6979
Estonian	6984
Faroese	7079

Language	Code
Fiji	7074
Finnish	7073
French	7082
Frisian	7089
Galician	7176
Georgian	7565
German	6869
Greek	6976
Greenlandic	7576
Guarani	7178
Gujarati	7185
Hausa	7265
Hebrew	7387
Hindi	7273
Hungarian	7285
Icelandic	7383
Indonesian	7378
Interlingua	7365
Irish	7165
Italian	7384
Japanese	7465
Javanese	7487
Kannada	7578
Kashmiri	7583
Kazakh	7575
Kirghiz	7589
Korean	7579
Kurdish	7585
Laothian	7679
Latin	7665
Latvian, Lettish	7686

Language	Code
Lingala	7678
Lithuanian	7684
Macedonian	7775
Malagasy	7771
Malay	7783
Malayalam	7776
Maltese	7784
Maori	7773
Marathi	7782
Moldavian	7779
Mongolian	7778
Nauru	7865
Nepali	7869
Norwegian	7879
Oriya	7982
Panjabi	8065
Pashto, Pushto	8083
Persian	7065
Polish	8076
Portuguese	8084
Quechua	8185
Rhaeto-Romance	8277
Rumanian	8279
Russian	8285
Samoan	8377
Sanskrit	8365
Scots Gaelic	7168
Serbian	8382
Serbo-Croatian	8372
Shona	8378
Sindhi	8368

Language	Code
Singhalese	8373
Slovak	8375
Slovenian	8376
Somali	8379
Spanish	6983
Sudanese	8385
Swahili	8387
Swedish	8386
Tagalog	8476
Tajik	8471
Tamil	8465
Tatar	8484
Telugu	8469
Thai	8472
Tibetan	6679
Tigrinya	8473
Tonga	8479
Turkish	8482
Turkmen	8475
Twi	8487
Ukrainian	8575
Urdu	8582
Uzbek	8590
Vietnamese	8673
Volapük	8679
Welsh	6789
Wolof	8779
Xhosa	8872
Yiddish	7473
Yoruba	8979
Zulu	9085

## Country Code list

Country	Code
Afghanistan	AF
Argentina	AR
Australia	AU
Austria	AT
Belgium	BE
Bhutan	BT
Bolivia	BO
Brazil	BR
Cambodia	KH
Canada	CA
Chile	CL
China	CN
Colombia	CO
Congo	CG
Costa Rica	CR
Croatia	HR
Czech Republic	CZ
Denmark	DK
Ecuador	EC
Egypt	EG
El Salvador	SV

Country	Code
Ethiopia	ET
Fiji	FJ
Finland	FI
France	FR
Germany	DE
Great Britain	GB
Greece	GR
Greenland	GL
Islands	HM
Hong Kong	HK
Hungary	HU
India	IN
Indonesia	ID
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Kenya	KE
Kuwait	KW
Libya	LY
Luxembourg	LU

Country	Code
Malaysia	MY
Maldives	MV
Mexico	MX
Monaco	MC
Mongolia	MN
Morocco	MA
Nepal	NP
Netherlands	NL
Netherlands Antilles	AN
New Zealand	NZ
Nigeria	NG
Norway	NO
Oman	OM
Pakistan	PK
Panama	PA
Paraguay	PY
Philippines	PH
Poland	PL
Portugal	PT
Romania	RO
Russian Federation	RU

Country	Code
Saudi Arabia	SA
Senegal	SN
Singapore	SG
Slovak Republic	SK
Slovenia	SI
South Africa	ZA
South Korea	KR
Spain	ES
Sri Lanka	LK
Sweden	SE
Switzerland	CH
Taiwan	TW
Thailand	TH
Turkey	TR
Uganda	UG
Ukraine	UA
United States	US
Uruguay	UY
Uzbekistan	UZ
Vietnam	VN
Zimbabwe	ZW

## What are LISTEN modes?

You can experience true home-theater sound with your new system. This system incorporates several listen modes to let you enjoy surround sound with a wide variety of program sources. Each produces multiple channels of surround-sound, but each does it differently.

- **Dolby Digital:** Dolby Digital uses an encode/decode process based on its theatrical digital surround sound technology. The five main channels are full-frequency and independent, so sound can completely envelop you or soar anywhere in the room, just like at the movies.

Compared with Dolby Pro Logic, Dolby Digital has more clarity, greater surround envelopment, and more realistic sound movement between channels.

- **Dolby Pro Logic/Dolby Pro Logic II:** Dolby Pro Logic reproduces a surround sound like in a movie theater from Dolby Surround-encoded program source (videotape or LaserDisc software carrying the Dolby Surround logo), and features excellent sound movement on the front and a surrounding atmosphere of movie theaters. Meanwhile, Dolby Pro Logic II decodes a signal encoded in 2 channels into 5-channel signals composed of the left/right front signals, center signal and surround left/right signals.

Dolby Pro Logic II is an advanced version of the decoding technology used with Dolby Pro Logic. It inputs 2-channel signals from a Dolby Surround-encoded source and reproduces 5-channel signals in which the surround channel is divided into independent channels for the left and right. Dolby Pro Logic II has the MOVIE mode and MUSIC mode.

### MOVIE mode:

The Movie mode is for use with stereo television shows and all programs encoded in Dolby Surround. The result is enhanced soundfield directionality that approaches the quality of discrete 5.1-channel sound.

### MUSIC mode:

The Music mode is for use with any stereo music recordings.

### MATRIX mode:

The Matrix mode is the same as the Music mode except that the directional enhancement logic is turned off. It may be used to enhance mono signals by making them seem "larger." The Matrix mode may also find use in auto systems, where the fluctuations from poor FM stereo reception can otherwise cause disturbing surround signals from a logic decoder. The ultimate "cure" for poor FM stereo reception may be simply to force the audio to mono.

- **DTS:** DTS has five full-frequency channels that create effects nearly identical to those in a theater. Sounds seem to zoom from one place to another or entirely surround you. Like Dolby Digital, DTS has much-improved clarity, surround and sound movement capability compared with Dolby Pro Logic. This listen mode is available on CD, LD, and DVD media. DTS is a strictly digital format that can be supplied only by a CD, LD, or DVD player that supports DTS sound.
- **Stereo:** Stereo listen mode provides standard stereo sound to the front left and right speakers.
- **3D Surround:** To produce a 3D surround effect that simulates multi-channel audio from two stereo speakers.
- **BYPASS:** Software with multichannel surround audio signals is played according to the way it was recorded.



- When you play sound tracks with 96kHz sampling frequency, the output signals will be converted to 48kHz (sampling frequency).
- Sound Mode is not applicable when headphone is used.



Manufactured under license from Dolby Laboratories. "DOLBY", the double-D symbol and "PRO LOGIC" are trademarks of Dolby Laboratories.



"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

## To set the LISTEN mode manually

According to the contents of the disc played in this unit, the LISTEN MODE (selected by the LISTEN MODE key) can be selected.

### At the time of PCM or DOLBY DIGITAL (2 ch) source

① Press the LISTEN MODE key.

REMOTE



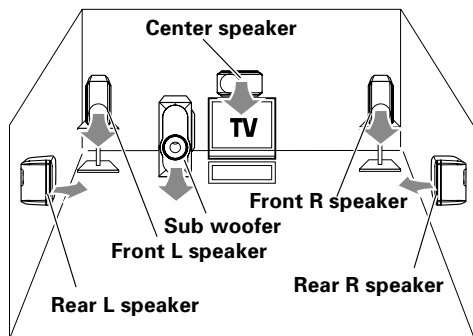
Each press switches the modes as shown below.

(Display) / (OSD)

- ① PRO LOGIC / PROL (Dolby Pro Logic)
- ② PLII MOVIE / MOVIE (Dolby Pro Logic II Movie)
- ③ PLII MUSIC / MUSIC (Dolby Pro Logic II Music)
- ④ PLII MATRIX / MTRX (Dolby Pro Logic II Matrix)
- ⑤ 3D SURR / 3D SUR (3D Surround)
- ⑥ BYPASS / BYPASS

## Positioning the speakers

To achieve the optimum effects obtainable with this SURROUND SOUND system, it is important to position the speakers properly. Refer to the following illustration to find the best location in your room.



## Operation near a TV

If the Subwoofer is installed near a TV set, the TV reception may be affected and interfered with color irregularities. Should color irregularities observed on TV screen, separate the Subwoofer from the TV until its reception becomes normal.

## Speaker level (volume)

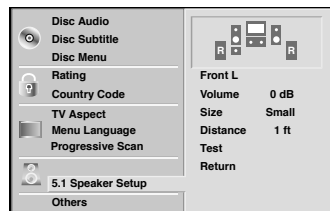
For this unit, the speaker levels have been set in advance so that the best volume balance is obtained with standard use.

### Initial set values for the speaker level

Front Left channel	: 0dB
Center channel	: 0dB
Front Right channel	: 0dB
Rear Right channel	: 0dB
Rear Left channel	: 0dB
Subwoofer(SW)	: 0dB

Reset as follows to match your listening environment.

## Settings



- 1 Press SETUP key to display the menu.
- 2 Select "5.1 Speaker Setup" on the setup menu then press the Cursor right (▶) key.
- 3 Press the Cursor right (▶) key to select the desired speaker.
- 4 Adjust options by using Cursor (▲/▼/◀/▶) keys on the remote.

## Speaker selection

Select a speaker that you want to adjust.

Front speakers (Left), Front speakers (Right), Centre Speaker, Rear speakers (Left), Rear speakers (Right), or Subwoofer

**Note** Certain speaker settings are prohibited by the Dolby Digital licensing agreement.

## Volume

Press the Cursor left/right (◀/▶) keys on the remote to adjust the output level of the selected speaker. (-6dB ~ +6dB)

## Size

Since the speaker settings are fixed, you cannot change the settings.

## Distance

Setting the Distance lets the speakers know how far the sound has to travel to reach your set listening point. This allows the sound from each speaker to reach the listener at the same time. (1 ft = 30.48 cm) (0.3 m ~ 6 m, 1 ft ~ 20 ft)

**Note**

You can not set the distance of subwoofer speaker.

## Test

Press ENTER to test the signals of each speaker. Adjust the volume to match the volume of test signals memorized in the system.

Front Left (L) → Centre → Front Right (R) →

Rear Right (R) → Rear Left (L) → Subwoofer

## Return








Press ENTER to return to the previous menu.

## **On screen display**

The on-screen Banner Display contains many playback features. To see the Banner Display, press ON SCREEN key on the remote while a disc is playing. Use the Cursor (▲/▼/◀/▶) keys on the remote to move through the different features in the Banner Display. Each feature is illustrated with an icon.





### **Example:**

#### **On-Screen Display during playing DVD**

 1 / 3	Title Number
 1 / 12	Chapter Number
 0:20:09	Time search
 1 ENG <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 5.1 CH	Audio language and Digital Audio Output mode
 OFF	Subtitle language
 1 / 1	Angle
 BYPASS	Sound

### **Example:**

#### **On-Screen Display during playing VCD**

 1 / 4	Track Number (or PBC mode)
 0:20:09	Time search
 STER.	Audio Channel
 BYPASS	Sound

## **Last Scene Memory**

This player memorizes last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the player or switch off the player. If you load a disc that has the scene memorized, the scene is automatically recalled.

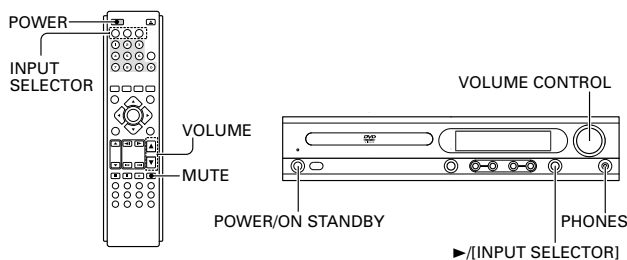
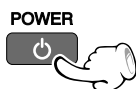
If you don't want to use the Last Scene Memory, press the STOP key during stop.



This player does not memorize the scene of a disc if you switch off the player before commencing to play the disc.

## Preparation

Turn on the POWER.



## Basic use method

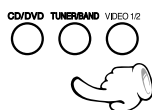
### 1 Selecting the desired input

MAIN UNIT



- 1 Press ►/[INPUT SELECTOR] key for more than 3 seconds.
- 2 Press ►/[INPUT SELECTOR] key repeatedly, each press switches the mode.

REMOTE



When press VIDEO 1/2 key on the remote, switches input modes as shown below.

- 1 VIDEO 1 (audio, video)
- 2 VIDEO 1 (video) + OPT (digital audio input)
- 3 VIDEO 2 (audio, video)
- 4 VIDEO 2 (video) + OPT (digital audio input)
- 5 TV-AUDIO (for Europe, input from SCART cable)

- The power will be switched on and the respective operation will be performed also when the ▲ key on the main unit is pressed during STANDBY mode.
- When a disc is set in the disc tray and the CD/DVD key is pressed, disc playback will start automatically.

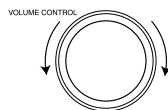
After press ►/[INPUT SELECTOR] key for more than 3 seconds, each press ►/[INPUT SELECTOR] key switches input modes as shown below.

- 1 CD/DVD → 29
- 2 VIDEO 1 (audio, video)
- 3 VIDEO 1 (video) + OPT (digital audio input)
- 4 VIDEO 2 (audio, video)
- 5 VIDEO 2 (video) + OPT (digital audio input)
- 6 TV-AUDIO (for Europe, input from SCART cable)
- 7 FM (frequency display) → 25
- 8 AM (frequency display) → 25

Normally "VOL MAX" is displayed when the volume settings set to the maximum value.

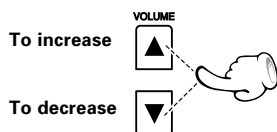
### 2 Volume adjustment

MAIN UNIT



To decrease To increase

REMOTE



To increase

To decrease

## Muting the sound temporarily

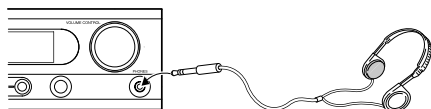
REMOTE



- Press MUTE key.
- Press again to resume the original volume.
- The sound muting is also cancelled when the volume is controlled.

## Listening through headphone

Insert the headphone plug into the PHONES jack.

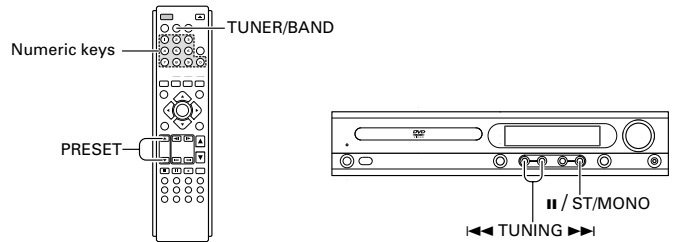


This unit offers various surround modes, but it switches automatically to stereo mode when headphones are connected.

- The sounds from all speakers are cut off.



It is also possible to receive them by one-touch operations by storing up to 30 stations in the preset memory. (→ 26 )



## 1 Select the TUNER input

Press the TUNER/BAND key on the remote.

REMOTE



## 2 Select the broadcast band

Press the TUNER/BAND key on the remote.

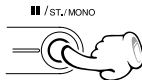
REMOTE



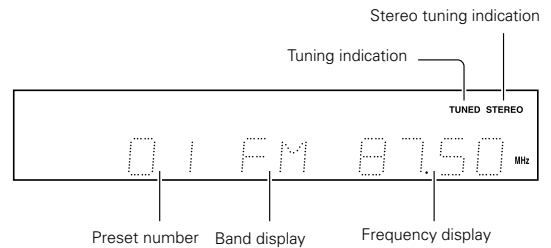
## 3 Select a tuning mode

Press the II / ST./MONO key on the remote.

MAIN UNIT



When the key is pressed, this unit will be switched on automatically.



Each press changes the band.

- ① FM
- ② AM

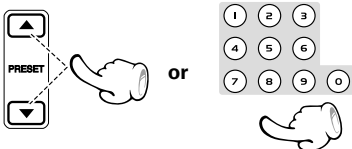
Each press switches the mode

- ① "STEREO" : stereo mode
- ② "MONO" : monaural mode

## 4 Select a station

### P.CALL (preset call)

REMOTE



Press the PRESET (▲/▼) keys on the remote control to select a preset station.

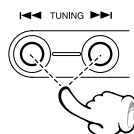
In case of input with the numeric keys. (Example)

To select preset No.3 : **3**

To select preset No.14 : **1 4**  
(within 3 seconds)

### Auto tuning

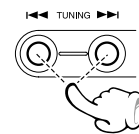
MAIN UNIT



Press the TUNING (◀◀/▶▶) keys on the main unit for more than 2 seconds to receive the next tuned station automatically

### Manual tuning

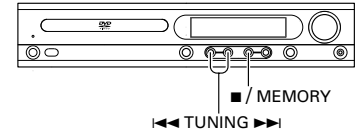
MAIN UNIT



Each time a key is pressed, the frequency is changed by one step.

Use the manual tuning mode when reception is noisy due to weak reception.

You can store up to 30 stations for FM and AM (MW) in the memory and recall with a single touch of the key.

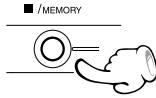


## Storing the broadcast stations (one-by-one presetting)

**1** Select a station (auto tuning or manual tuning) → 25

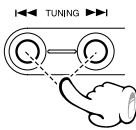
**2** Press the ■/MEMORY key on the main unit.

MAIN UNIT



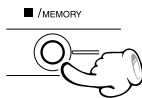
**3** Select the desired preset number.

MAIN UNIT



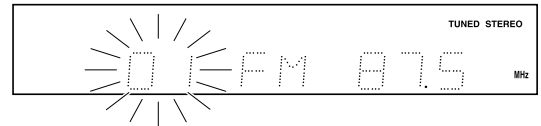
**4** Press the ■/MEMORY key on the main unit.

MAIN UNIT



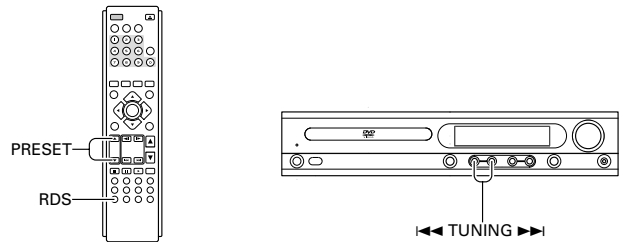
Repeat steps **1** to **4** to preset other stations.

Blinks



Please perform the next operation while the indicator is blinking.

RDS is a system which transmits useful information (digital data) for FM broadcasts together with the broadcast signal. Tuners and receivers designed for RDS reception can extract the information from the broadcast signal for use with various functions such as automatic display of the station name.



## Using RDS function ( for Europe only)

### Functions made possible with RDS

**PTY (Program Type Identification) Search :**

The tuner automatically searches for a station which is currently broadcasting a specified program type (genre).

**PS (Program Service Name) Display :**

When an RDS broadcast is received, the station name is automatically displayed.

**RT (Radio text) :**

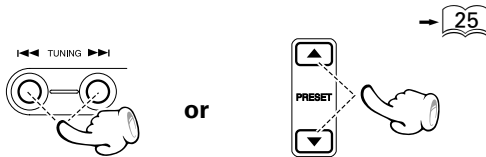
Displays the radio text data transmitted by some RDS stations when you select the **RT** mode.

**CT (Clock Time) :**

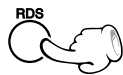
Decodes the real time clock from the FM frequency.

### Using the RDS Display function

**1 Select the FM broadcast station.**



**2 Press the RDS. key on the remote.**



Each press switches the display mode as follows.

- ① PS NAME display
- ② Current FM frequency display
- ③ PTY display
- ④ RT display
- ⑤ CT display

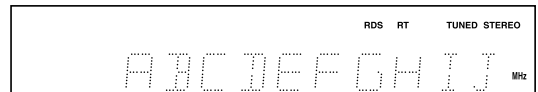


**PS NAME**

- If the PS information is being received, the PS name (**BBC, AFO, NDR**, etc.) is shown on the display.
- If the PS information is not received, the original FM frequency is shown.
- Even though no **RDS key** is pressed, the reception of PS information ensues the PS name is displayed.

**RT display**

- Text data accompanying the RDS broadcast scrolls across the display.



- If the RT information is not received, the "**RT NONE**" is shown on the display.

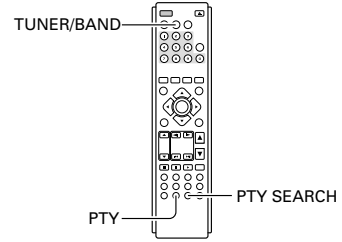
**CT display**

- If the CT information will take up to 2 minutes to be decoded therefore the clock is not displayed immediately.
- If the CT information is not received, the "**CT NONE**" is shown on the display.
- The CT clock does not update the system clock.

## PTY function

The PTY information is composed of an identification symbol, which helps the FM radio to recognize the program type of each FM station.

The 31 PTY modes are shown in the display by pressing the PTY key.



## Using the PTY search function

### 1 Select the FM band.

REMOTE



→ 25

### 2 Press the PTY key.

REMOTE



- The PTY MODE (POP M, ROCK M etc.) appears on the display.

### 3 Press the PTY key to select the desired program type.

REMOTE



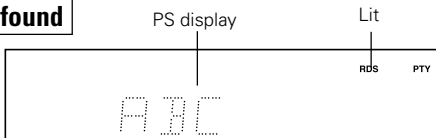
### 4 When the program type is selected, press the PTY SEARCH key.

REMOTE



- Auto-search the station sequentially
- Press again during search to cancel.

PTY found



PTY not found

After display of NO PTY, return is made to the normal display.

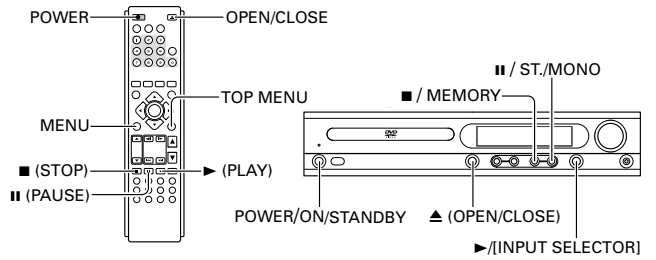
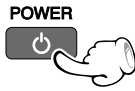
## RDS Program types

Program Type Name	Receiver Display
News	NEWS
Current Affairs	AFFAIRS
Information	INFO
Sport	SPORT
Education	EDUCATE
Drama	DRAMA
Culture	CULTURE
Science	SCIENCE
Varied	VARIED
Pop Music	POP M
Rock Music	ROCK M
Easy Listening Music	EASY M
Light Classical Music	LIGHT M
Serious Classical Music	CLASSICS
Other Music	OTHER M
Weather	WEATHER
Finance	FINANCE
Children's programs	CHILDREN
Social affairs	SOCIAL
Religion	RELIGION
Phone in	PHONE IN
Travel	TRAVEL
Leisure	LEISURE
Jazz Music	JAZZ
Country Music	COUNTRY
National Music	NATION M
Oldies Music	OLDIES
Folk Music	FOLK M
Documentary	DOCUMENT
Station Alarm Test Message	TEST
Emergency Broadcast Information	ALARM 1

## Basic play

### Preparation

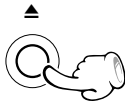
Turn on the POWER.



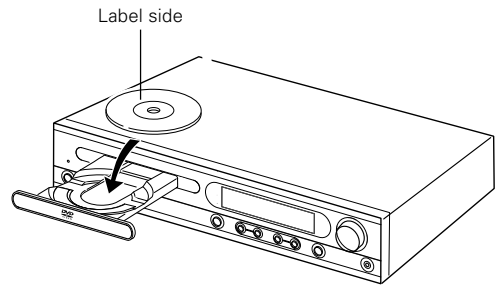
### 1 Load a disc.

MAIN UNIT

1 Open the tray.



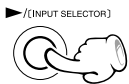
2 Place a disc.



### 2 Start playback.

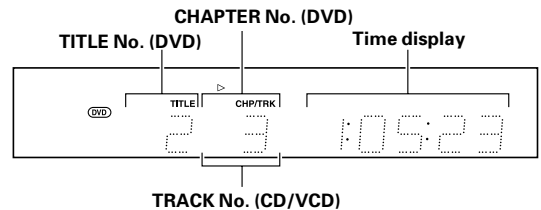
MAIN UNIT

REMOTE



- When the ► key is pressed while a tray is open, the tray closes automatically, and then playback begins.

- READING appears on the TV screen.

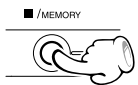


- Note** When a Disc Menu appears on the screen In case of interactive DVDs, a Disc Menu appears on the screen. Then press **ENTER** to select specific menu you want to play by using Cursor keys.

### To stop playback

MAIN UNIT

REMOTE



### To pause playback

MAIN UNIT

REMOTE



- During DVD playback, step operation is performed each time this key is pressed. (→ 31)

When a menu screen is recorded on the DVD disc, the menu screen will be displayed when the TOP MENU key or MENU key on the remote is pressed. At the menu screen, the menu can be selected by pressing the Cursor keys.



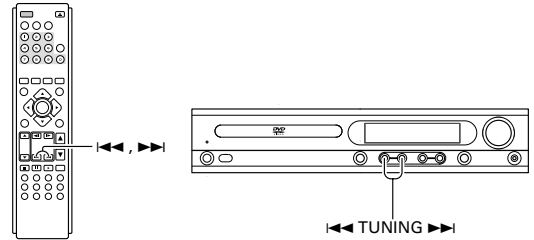
or



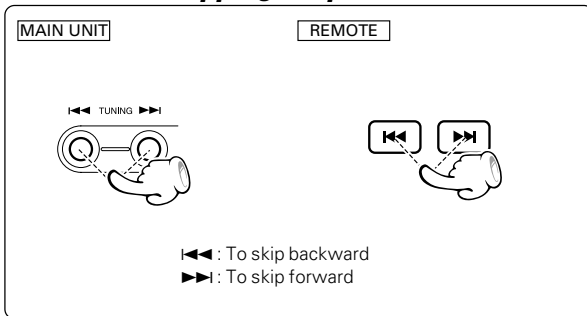
## Disc playback features



- You won't hear the sound (audio) on the DVD and VCD when you're using the Skip, Search, Step or Slow motion features.
- Playback features are not available during the opening credits of a movie.



### CD DVD VCD Skipping chapters or tracks

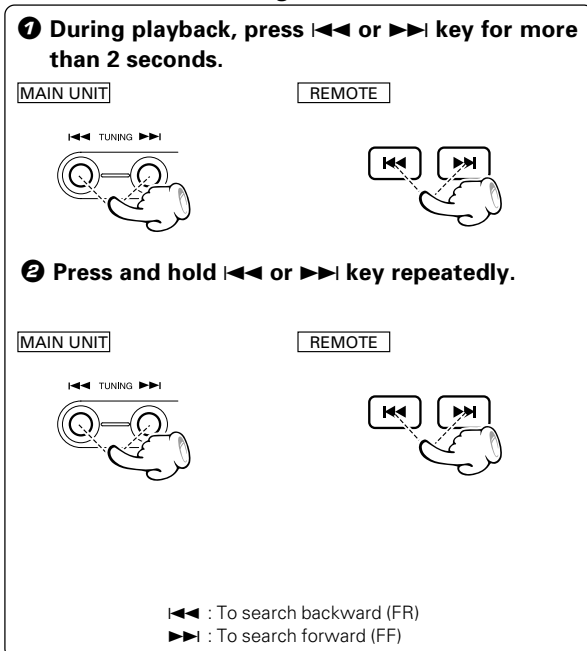


- The chapter (or track) in the direction of the key pressed is skipped, and the selected chapter (or track) will be played from the beginning.
- When the ◀◀ key is pressed once during playback, the chapter (or track) being played will be played from the beginning.
- When the ◀◀ key is pressed within 3 seconds after the start of chapter (or track) playback, playback starts from the start of the preceding chapter (or track).



- The Chapter feature won't work if the disc isn't formatted with separate chapters.

### CD DVD VCD Searching



- Each press and hold switches the searching speed.

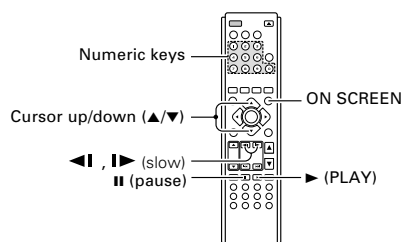
#### (At the time of DVD playback)

- FF 2 X (▶▶ key) or FR 2 X (◀◀ key)
- FF 4 X (▶▶ key) or FR 4 X (◀◀ key)
- FF 16 X (▶▶ key) or FR 16 X (◀◀ key)
- FF 100X (▶▶ key) or FR 100X (◀◀ key)

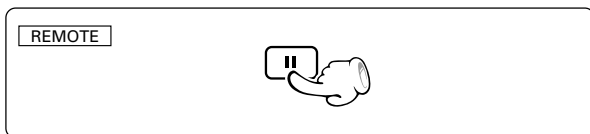
#### (At the time of CD/VCD playback)

- FF 2 X (▶▶ key) or FR 2 X (◀◀ key)
- FF 4 X (▶▶ key) or FR 4 X (◀◀ key)
- FF 8 X (▶▶ key) or FR 8 X (◀◀ key)

- Press the ▶ key at any time to resume normal playback.

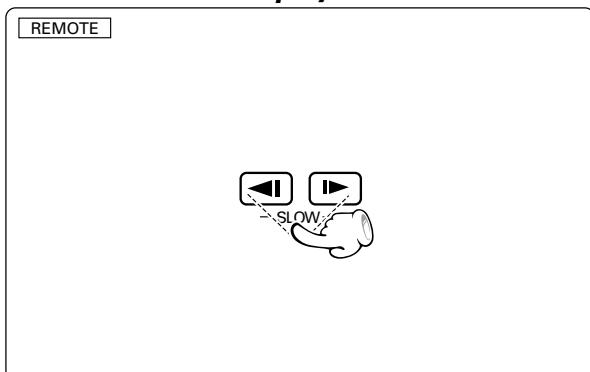


**DVD VCD STEP (freeze frame and frame advance)**



- During playback, press the **⏸** (pause) key.
- Each time you press the key, the picture advances one frame.
- Press the **▶** key to resume normal playback.

**DVD VCD Slow motion playback**



- During playback, press the **◀▶** (slow) keys.
- Each press switches the motion speed.
  - (At the time of DVD playback)**
    - ① SF 1/16 (**▶** key) or SR 1/16 (**◀** key)
    - ② SF 1/8 (**▶** key) or SR 1/8 (**◀** key)
    - ③ SF 1/4 (**▶** key) or SR 1/4 (**◀** key)
    - ④ SF 1/2 (**▶** key) or SR 1/2 (**◀** key)
  - (At the time of VCD playback)**  
(Slow Reverse is not possible)
    - ① SF 1/16 (**▶** key)
    - ② SF 1/8 (**▶** key)
    - ③ SF 1/4 (**▶** key)
    - ④ SF 1/2 (**▶** key)
- Press the **▶** key to resume normal playback.

**CD DVD VCD Playback from desired title, chapter or track.**

Because DVD VIDEO discs use digital technology, a title can be divided into individual chapters (similar to tracks on a CD).

**(At the time of DVD playback)**

**REMOTE**

- 1 Press **ON SCREEN** key.
- 2 Press the **Cursor up/down (▲/▼)** keys on the remote to select the title or chapter icon.
  - Title icon
  - Chapter icon
- 3 Press the **Cursor right (▶)** key or numeric keys.  
(Example) To select track No. 23 : **2 3** (within 3 seconds)
  - or

- The display is switched off when no operation is performed for about 10 seconds.

**(At the time of CD/VCD playback)**

**REMOTE**

- 1 Press the numeric keys.  
(Example) To select track No. 23 : **2 3** (within 3 seconds)
  -

**Notes**

- P.B.C. on mode of VCD, the Selecting a Track function may not work. → 18

**Note** • The Chapter feature won't work if the disc isn't formatted with separate chapters.

## DVD Select Audio Language

If the disc was created with different language tracks, you can use the AUDIO key on the remote to temporarily change the DVD player's Audio setting.

During playback, press the AUDIO key on the remote.



Audio language icon



The language and digital audio output is switched each time the AUDIO key is pressed.

- The display is switched off when no operation is performed for about 5 seconds.



1. The language feature only works if the disc was created with multiple audio tracks.
2. When you chose an audio language by the AUDIO key, you only override the audio language setting in the DVD Player's main menu (in the Language Preferences menu within Setup menu) temporarily.

## CD VCD Select the Audio channel

You can choose to play back only the right or the left channel of audio recorded on the disc, or you can select stereo playback.

During VCD or CD playback, press the AUDIO key on the remote.



Audio channel icon



Each press the key switches the mode.

- 1 LEFT
- 2 RIGHT
- 3 STER. (STEREO)

## DVD Select Subtitle Language

You can change the Subtitle language while you're watching a disc (but only if the disc was created with subtitles).

During playback, press the SUBTITLE key on the remote.



Subtitle language icon



The language is switched each time the SUBTITLE key is pressed.

- The display is switched off when no operation is performed for about 5 seconds.



1. The subtitle feature only works if the disc was created with multiple subtitle tracks.
2. The subtitle menu of the disc appears in some discs.

## DVD VCD Using Marker

The marker feature lets you mark a point on the disc that you can go to quickly. You can store up to 9 marker points

### Create the Marker

- 1 When you reach the scene you want to mark, press MARKER key.



Marker icon



- The marker icon appears on the TV screen briefly.
- Repeat to enter up to 9 marker points.

### To recall or clear a marked scene

- 1 During playback, press the SEARCH key on the remote.

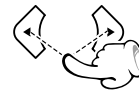


Marker search icon



- The marker search menu appears on the screen.

- 2 Within 10 seconds, press the Cursor left/right (</>) keys on the remote to select a marker number that you want to recall or clear.



- 3 Press the ENTER key to playback from the marked scene or press the CLEAR key to clear the selected number.

#### To recall



#### To clear



- If all 9 marker points are in use, you can still mark new scenes, but the previous marker points will be erased.
- Depending on the disc, the marker function may not work.

### Clearing all marker points

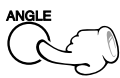
- The marker points are cleared each time a disc is removed from the player or when the power is turned off.



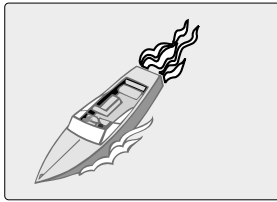
## DVD Select Camera angle

Some disc contains multiple angles particular scene or sequence. If the disc only has one angle, this feature won't work.

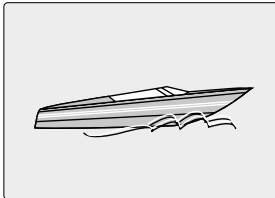
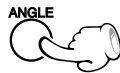
- 1 During playback, press the **ANGLE** key on the remote.



Angle icon



- 2 Select the Camera angle with press the **ANGLE** key.



- The display is switched off when no operation is performed for about 5 seconds.

## DVD Title Menu / Disc Menu

DVDs may offer menus that allow you to access special features.

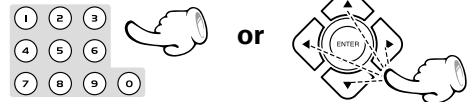
### To use the Title Menu

- 1 Press the **TOP MENU** key on the remote.



- If the current title has a menu, the menu will appear on the screen. Otherwise, the disc menu may appear.
- The menu can list camera angles, audio language and subtitle options, and chapters for the title.

- 2 Press the numeric keys or the Cursor keys (**▲/▼/◀/▶**) on the remote to select an option, then press **ENTER** key.



- To remove the title menu, press **TOP MENU** key again.

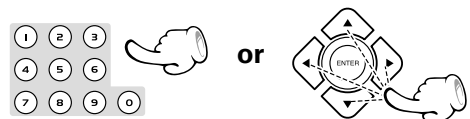
### To use the Disc Menu

- 1 Press the **MENU** key on the remote.



- The disc menu is displayed.

- 2 Press the numeric keys or the Cursor keys (**▲/▼/◀/▶**) on the remote to select an option, then press **ENTER** key.



- To remove the title menu, press **MENU** key again.

## DVD CD VCD Repeat play

Desired title, chapter, track or disc can be played back repeatedly.

At the time of DVD playback.

- "CHAPTER" : Repeat the chapter that is playing.
- "TITLE " : Repeat the title that is playing.

At the time of CD/VCD playback.

- "TRACK" : Repeat the track that is playing.
- "ALL" : Repeat the disc that is playing.

During playback, press the REPEAT key on the remote.



Repeat icon (TITLE)



Each press the key switches the REPEAT mode

At the time of DVD playback.

- ① "CHAPTER"
- ② "TITLE"
- ③ "OFF" (Repeat off)

At the time of CD/VCD playback.

- ① "TRACK"
- ② "ALL"
- ③ "OFF" (Repeat off)

- To cancel repeat playback, press the REPEAT key and select "OFF".



If you press SKIP (▶▶) once during Repeat Track playback, the repeat playback cancels.

### "MP3/WMA Repeat play" — 40



P.B.C. on mode of VCD, the Repeat play function does not work. — 18

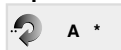
## DVD CD VCD A-B Repeat play

The A-B repeat function lets you mark a segment to repeat between the beginning "A" and the end "B" of the segment you want to replay.

- ① Press the A-B key on the remote when you want to choose a scene (sound) as the beginning point.



Repeat A icon

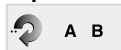


- "A \*" display appears.

- ② Press the A-B key again to choose a scene (sound) as the end point.



Repeat A-B icon



- "A - B" display appears and the repeat sequence begins.
- To cancel A-B Repeat playback, press the A-B key.

## DVD VCD Zoom function

Use zoom to enlarge the video image.

- ① During playback, press the ZOOM key on the remote.



- ② Press the Cursor (◀/▶/▲/▼) keys on the remote to move through the zoomed picture.



- To resume normal playback, press ZOOM key repeatedly or press CLEAR key.



Zoom may not work on some DVDs.

## DVD Time Search

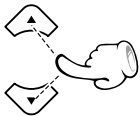
To start playing at any chosen time on the disc.

- 1 During playback, press the **ON SCREEN** key on the remote.

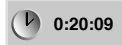


The time search box shows the elapsed playing time.

- 2 Press **Cursor up/down (▲/▼)** keys on the remote to select the time clock icon.

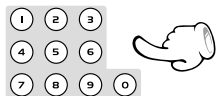


Time clock icon



- ":-:-" appears.
- The display is switched off when no operation is performed for about 10 seconds.

- 3 Input the required start time in hours, minutes and seconds from left to right.



- If you enter the wrong numbers, press **CLEAR** to remove the numbers you entered. Then input the correct numbers.

- 4 Press **ENTER** to confirm.



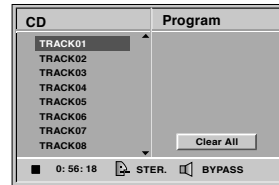
- Playback starts from the selected time.



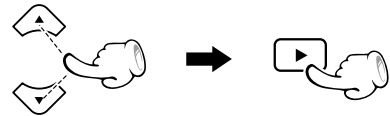
Depending on the disc, the Time Search function may not work.

## CD Using the TV screen to start CD playback

Once you insert an audio CD a menu appears on the TV screen.



- 1 Press the **Cursor up/down (▲/▼)** keys on the remote to select a track then press **PLAY (▶)** or **ENTER** and playback starts.

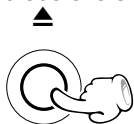


- Press **TOP MENU** to move to the next page.
- Press **MENU** to move to the previous page.

You can listen to the desired tracks of the current CD or VCD in any desired order.

## Program Edit

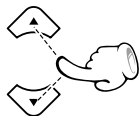
- ① Insert a disc and close the tray.



- ② Press P.MODE key to enter the Program edit mode.



- ③ Select specific track by press Cursor up/down (▲/▼) keys.



- ④ Press ENTRE key to register selected value onto Program list.



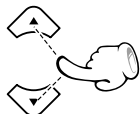
- ⑤ You can select maximum 30 values by repeating step ③ - ④.

- ⑥ Press Cursor right (▶) key.



The programmed track you selected last is highlighted on the program list.

- ⑦ Select the track you want to start playing on the Program list.



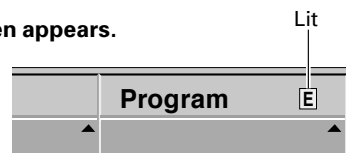
- Press **TOP MENU** to move to the next page.
- Press **MENU** to move to the previous page.

- ⑧ Press **PLAY** key to start.

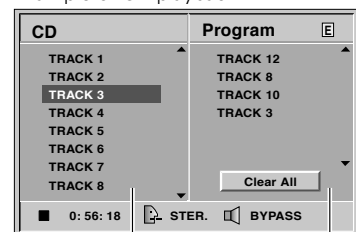


Playback begins in the order in which you programmed tracks. Playback stops after all of the tracks on the Program list have played once.

Program edit screen appears.



Example of CD playback



Track list

Program list

- MP3/WMA program playback → 41
- The unit stops when the **STOP** (■) key is pressed. To restart program play, press the **PLAY** key.
- Press **P.MODE** key to exit the Program edit mode.



P.B.C. on mode of VCD, the Program play function does not work. → 18

## To repeat program play

During program playback, press the **REPEAT** key on the remote.



Each press the key switches the mode.

- ① **"TRACK"** : repeats the current track.
- ② **"ALL"** : repeats all the tracks on programmed list.
- ③ **"OFF"** : repeat off



If you press **SKIP** (▶▶) once during Repeat Track playback, the repeat playback cancels.

### Delete a track from Program list

- 1 Press the Cursor (◀/▶/▲/▼) keys to select the track that you wish to delete from the Program list.



- 2 Press CLEAR key.



### Delete the complete Program list

- 1 Select "Clear All" icon, then press ENTER key.

The complete program for the disc is deleted.

- The programs are also cleared when the disc is removed.



P.B.C. on mode of VCD, the Program play function does not work. → [18](#)

## Guidance of MP3/WMA/JPEG

### MP3/WMA/JPEG media that can be played back with this equipment

Usable media : CD-ROM, CD-R, CD-RW

Usable formats : ISO9660 level 1 (excluding expanded formats)

Files that can be played back : MP3 files, WMA files and JPEG files

### Creating media for playing back on this equipment

#### Compressing MP3/WMA

Please set up the transfer bit rate setting for the compression software when compressing MP3/WMA files as follow.

MP3 Files : 128kbps recommended (32kbps-320kbps)

WMA Files : 128kbps recommended (40kbps-192kbps)

- **This unit is compatible with 32 kHz, 44.1 kHz(recommended) and 48 kHz sampling frequencies.**
- **This unit is compatible with ID3-TAG Ver. 1.**
- **DIGITAL output of MP3/WMA data is done not as MP3/WMA data, but as PCM data.**

#### Naming folders and files

Single-byte characters between A and Z, single-byte numerals between 0 and 9, and the single-byte underscore(\_) can be displayed.

Ensure that the "mp3" (MP3 files), "wma" (WMA files) or "jpg" (JPEG files) extension log is attached to all file names

- **Never add the "mp3" (or "wma") extension log to any files other than MP3 (or WMA) files. If the "mp3" (or "wma") extension log is added to any files other than MP3 (or WMA) files, the equipment will assume that they can be played back, and this will produce loud noises in the speakers, resulting in damage of adverse effects.**
- **Never add the "jpg" extension log to any files other than JPEG files. If the "jpg" extension log is added to any files other than JPEG, the unit will not operate normally.**

#### Confirming media and files

Check to ascertain that MP3/WMA files can be played back correctly on the personal computer in use prior to saving them onto the media. Check to ensure that the saved file can be played back normally.

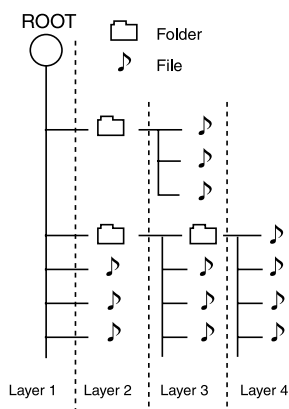
- **It is not possible to confirm that files can be played back correctly while they are being saved onto the media.**

#### When saving files onto media

Ensure that the session is closed or finalized when data has been written on media. There are cases where media on which the session has not be closed or finalized will not be played back correctly with this equipment.

- **There are cases where the folder names and file names will not be displayed correctly depending on the software used to save them.**
- **Do not store files or folders other than MP3, WMA or JPEG on media to be played back with this equipment.**
- **It is recommended that ten or less sessions are stored when recording MP3/WMA files onto a media.**
- **In case of a multisession disc, some time may be required until playback begins.**
- **There are cases where playback is not possible when MP3/WMA/JPEG files (CD-ROM) and music CD information (CD-DA) are saved on the same media.**

#### Example for a hierarchical structure



Folder names and file names are displayed up to 8 characters. When folder names and file names are recorded with more than 8 characters, the names will be displayed in abbreviated form.

# Playing back MP3/WMA/JPEG files

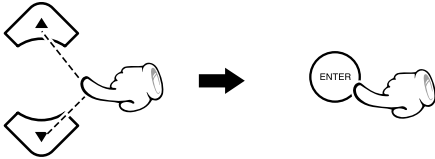
- It is not possible to play back folders and files that exceed the maximum limitations of the media.
- A certain amount of time is required for the player to confirm the media on which MP3/WMA/JPEG files have been recorded before playback will commence.

## Playback

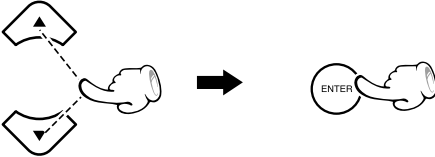
### 1 Insert a disc and close the tray.

- The MP3/WMA-JPEG choice menu appears on the TV screen.

### 2 Press Cursor up/down (▲/▼) keys on the remote to select MP3/WMA or JPEG, then press the ENTER.

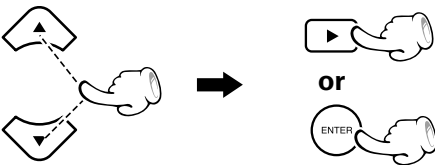


### 3 Press Cursor up/down (▲/▼) keys on the remote to select desired folder, then press the ENTER key



Press RETURN key to move to the MP3/WMA-JPEG choice menu.

### 4 Press Cursor up/down (▲/▼) keys on the remote to select desired file, then press the PLAY key or the ENTER key to start playback.



- Press **TOP MENU** to move to the next page.
- Press **MENU** to move to the previous page.
- When JPEG files are displayed, the display is switched automatically from one file to the next. (Slide Show) ("Change the Slide speed" → [40])

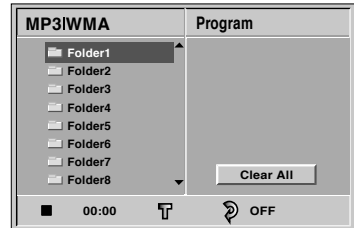
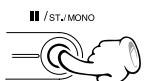
To stop playback press the ■ (stop) key.

## To pause playback (Still picture)

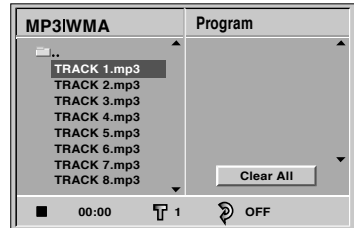
Press the **II** key during playback (MP3/WMA), or press the **II** key during slide show (JPEG).

MAIN UNIT

REMOTE



A list of files in the folder appears.

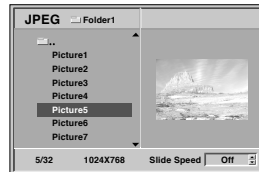


If you are in a file list and want to return to the Folder list, use the Cursor up/down (▲/▼) keys on the remote to highlight icon and press **ENTER** to return to the previous menu screen.

**Playback start. (MP3/WMA files)**

**Viewing the file proceeding starts. (JPEG files)**

**During viewing a file, press RETURN key on the remote to move to the previous menu (JPEG menu).**



Press RETURN key

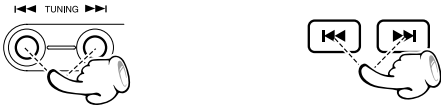
To return to the playback or slide show, press the **▶** (play) key or press the **II** (pause) key.

## Searching (only for MP3/WMA files) → 30

① During playback, press the **⏮** or **⏭** key for more than 2 seconds.



② Press and hold the **⏮** or **⏭** key repeatedly.



- Each press switches the searching speed.
  - ① FF 2 X (**⏭** key) or FR 2 X (**⏮** key)
  - ② FF 4 X (**⏭** key) or FR 4 X (**⏮** key)
  - ③ FF 8 X (**⏭** key) or FR 8 X (**⏮** key)
- Press the **▶** key at any time to resume normal playback.

## Skipping files → 30

During playback, press the **⏮** or **⏭** key.



- ⏮**: To skip backward
- ⏭**: To skip forward

## Repeatplay (only for MP3/WMA files) → 34

Desired file can be played back repeatedly.

- "Track" : Repeat the file that is playing.
- "All" : Repeat the folder that is playing.

During playback, press the **REPEAT** key on the remote.

Each press the key switches the REPEAT mode

- ① "TRACK"
- ② "ALL"
- ③ "OFF" (Repeat off)

- To cancel repeat playback, press the **REPEAT** key and select "OFF".

**Note** If you press **SKIP** (**⏭**) once during Repeat Track (file) playback, the repeat playback cancels.

## Change the Slide speed (only for JPEG files)

The Slide show function can be used to switch photo images automatically from one file to the next. There are four Slide speed options.

① Playback a JPEG file. → 39

② Press Cursor (**⏪**/**⏩**/**⏴**/**⏵**) keys on the remote to highlight the speed icon.



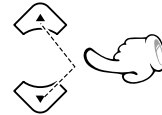
Slide Speed icon

③ Press Cursor up/down (**⏴**/**⏵**) keys on the remote to select the option you want to use then press **ENTER** key.

- ⏴** : Fast
  - ⏵** : Normal
  - ⏴** : Slow
  - ⏴** : Off
- **ENTER**

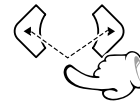
## To flip picture (only for JPEG files)

Press the Cursor up/down (**⏴**/**⏵**) keys on the remote to flip the picture horizontally or a vertically.



## To rotate picture (only for JPEG files)

Press the Cursor left/right (**⏪**/**⏩**) keys on the remote to rotate the picture clockwise or counter clockwise.



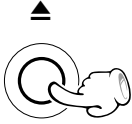


## MP3/WMA program playback (→ 36)

You can listen to the desired files of the current MP3/WMA disc in any desired order.

### Program Edit

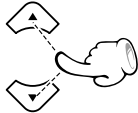
- 1 Insert a disc and close the tray.



- 2 Press P.MODE key to enter the Program edit mode.



- 3 Select specific file by press Cursor up/down (▲/▼) keys.

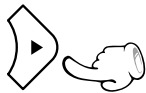


- 4 Press ENTER key to register selected value onto Program list.



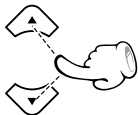
- 5 You can select maximum 30 values by repeating step 3 - 4.

- 6 Press Cursor right (▶) key.



The programmed track you selected last is highlighted on the program list.

- 7 Select the track you want to start playing on the Program list.



- Press **TOP MENU** to move to the next page.
- Press **MENU** to move to the previous page.

- 8 Press PLAY key to start.



Playback begins in the order in which you programmed files. Playback stops after all of the files on the Program list have played once.

Program edit screen appears.

### To repeat program play

During program playback, press the REPEAT key on the remote.



Each press the key switches the mode.

- 1 "TRACK" : repeats the current file.
- 2 "ALL" : repeats all the files on programmed list.
- 3 "OFF"



If you press **SKIP** (▶▶) once during Repeat Track playback, the repeat playback cancels.

### Delete a track from Program list

- 1 Press the Cursor up/down (▲/▼) keys to select the file that you wish to delete from the Program list.



- 2 Press CLEAR key.

### Delete the complete Program list

- 1 Select "Clear All" icon, then press ENTER key.

The complete program for the disc is deleted.

- The programs are also cleared when the disc is removed.

**Sleep Timer**

You can set this receiver to turn off automatically at a specified time.

Press **SLEEP** key on the remote to set the desired sleep time.

The SLEEP indicator and sleep time appears in the display window.



- Each time you press **SLEEP** key the setting changes in the following order.

(SLEEP) 90→80→70→ . . . →20→10→OFF

- You can check the time remaining before the DVD/CD receiver turns off.

Press **SLEEP** key. The remaining time appears in the display window.

**DIMMER function**

The display brightness of the main unit can be changed.

Press the **DIMMER** key to dim or bright.



What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.











## Operation to reset

The microprocessor may fall into malfunction (impossibility to operate erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, switch off the power, wait for several seconds, and then switch the power on again.






## Remote control unit

Symptom	Cause	Remedy
Remote control operation is not possible.	<ul style="list-style-type: none"> <li>Batteries are exhausted.</li> <li>The remote control is too far away from the system, the controlling angle is deviated or there is an obstacle in between.</li> </ul>	<ul style="list-style-type: none"> <li>Replace with new batteries.</li> <li>Operate the unit inside the remote controllable range.</li> </ul>



## Receiver, speakers

Symptom	Cause	Remedy
Sound is not produced.	<ul style="list-style-type: none"> <li>The speaker cords are disconnected.</li> <li>The <b>MUTE</b> key of remote control unit is switched ON.</li> <li>The headphone plug is inserted into the jack.</li> </ul>	<ul style="list-style-type: none"> <li>Connect properly referring to "System connections". → </li> <li>Switch <b>MUTE</b> OFF. → </li> <li>Unplug the headphone plug. → </li> </ul>
Sound is not produced from the left or right speakers.	<ul style="list-style-type: none"> <li>The speaker cords are disconnected.</li> </ul>	<ul style="list-style-type: none"> <li>Connect properly referring to "System connections". → </li> </ul>
Radio stations cannot be received.	<ul style="list-style-type: none"> <li>The antennas have not been connected.</li> <li>A proper broadcasting band has not been selected.</li> <li>The frequency of the station to be received is not tuned.</li> </ul>	<ul style="list-style-type: none"> <li>Connect antennas. → </li> <li>Select a band. → </li> <li>Tune to the frequency of the desired station. → </li> </ul>
Noise interferes.	<ul style="list-style-type: none"> <li>Car ignition noise.</li> <li>Influence of an electric appliance.</li> <li>A TV set is installed near the system.</li> </ul>	<ul style="list-style-type: none"> <li>Install the outdoor antenna in an apart position from the road. → </li> <li>Switch the suspected electric appliance OFF.</li> <li>Install the TV or the system at an increased distance between them.</li> </ul>
A station has been preset but it cannot be received by pressing the <b>PRE-SET</b> key.	<ul style="list-style-type: none"> <li>The frequency of the preset station is not tunable.</li> <li>The preset memory has been cleared because the power cord has been unplugged for a long period.</li> </ul>	<ul style="list-style-type: none"> <li>Preset stations with tunable frequencies.</li> <li>Preset stations again. → </li> </ul>
No sound from the surround speakers	<ul style="list-style-type: none"> <li>The <b>LISTEN</b> mode is <b>STEREO</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Select Surround with the <b>LISTEN MODE</b> key. → </li> </ul>


## DVD player unit

Symptom	Cause	Remedy
<b>Playback does not start when the ► key is pressed.</b>	<ul style="list-style-type: none"> <li>There is no disc in the player.</li> <li>There are no signals recorded on the side of the disc being played.</li> </ul>	<ul style="list-style-type: none"> <li>Load a disc and press the ► key.</li> <li>Turn the disc over and properly place it on the disc tray.</li> </ul>
<b>Playback starts but no image/sound is seen heard.</b>	<ul style="list-style-type: none"> <li>The TV is not turned on.</li> <li>The connection cords are not properly connected.</li> </ul>	<ul style="list-style-type: none"> <li>Turn on the TV.</li> <li>Properly reconnect the connection cords. → </li> </ul>
<b>The picture is disrupted when the image is fast forwarded or fast reversed.</b>	<ul style="list-style-type: none"> <li>The picture is slightly disrupted during fast forward and fast reverse operations.</li> </ul>	<ul style="list-style-type: none"> <li>This is not a malfunction.</li> </ul>
<b>No sound is heard.</b>	<ul style="list-style-type: none"> <li>The volume control of the TV or amplifier is not adjusted properly.</li> <li>The player is in a special playback mode.</li> </ul>	<ul style="list-style-type: none"> <li>Set the sound volume to an appropriate level.</li> <li>Press the ► key to resume normal playback mode.</li> </ul>
<b>No picture is displayed.</b>	<ul style="list-style-type: none"> <li>Setting to progressive mode has been done for a TV not compatible with progressive mode.</li> </ul>	<ul style="list-style-type: none"> <li>Return to interlaced mode is made when the ■ (stop) key is pressed for at least 5 seconds.</li> </ul>
<b>The picture does not look good or the picture/sound quality is poor.</b>	<ul style="list-style-type: none"> <li>A nearby device is generating noise.</li> <li>The disc is dirty.</li> <li>The disc is damaged.</li> <li>There is condensation on the optical lens.</li> </ul>	<ul style="list-style-type: none"> <li>Separate this unit as far as possible from the device you think is generating the noise.</li> <li>Refer to the "Disc handling precautions" section and wipe dirt from the disc. → </li> <li>Use a new disc.</li> <li>Refer to the "Caution on condensation" section and evaporate the condensation. → </li> </ul>
<b>It takes a while for the disc to start playing.</b>	<ul style="list-style-type: none"> <li>Time is required for the unit to detect the disc type and size and for the rotation of the motor to stabilize. This is not a malfunction.</li> </ul>	<ul style="list-style-type: none"> <li>Approximately 10 to 20 seconds are required for a disc to start playing, although the time differs depending on the disc.</li> </ul>
<b>The tray opens automatically.</b>	<ul style="list-style-type: none"> <li>The disc is not placed horizontally.</li> </ul>	<ul style="list-style-type: none"> <li>Properly place the disc on the tray.</li> </ul>
<b>The top and bottom of the screen cannot be seen, or the screen becomes black-and-white.</b>	<ul style="list-style-type: none"> <li>The video format of the disc being played does not match that of the connected TV monitor.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to the "Video formats" section and use a disc with the appropriate video format for your TV or a TV with the appropriate video format for the disc. → </li> </ul>
<b>The subtitle is not displayed.</b>	<ul style="list-style-type: none"> <li>The DVD disc being played does not contain the recording of subtitles.</li> <li>The subtitle mode is set to off.</li> </ul>	<ul style="list-style-type: none"> <li>The subtitle cannot be displayed when the DVD disc being played does not contain the recording of subtitles.</li> <li>Press the <b>SUBTITLE</b> key to switch on the subtitle mode. → </li> </ul>
<b>The voice (or subtitle) language cannot be changed.</b>	<ul style="list-style-type: none"> <li>The DVD disc being played does not contain the recording of more than one audio (or subtitle) language.</li> </ul>	<ul style="list-style-type: none"> <li>The voice (or subtitle) language cannot be changed when the DVD disc being played does not contain the recording of more than one voice (or subtitle) language.</li> </ul>
<b>The viewing angle cannot be changed.</b>	<ul style="list-style-type: none"> <li>The DVD disc being played does not contain the recording of more than one angle.</li> <li>You are attempting to switch the angle in a DVD section where more than one angle is not recorded.</li> </ul>	<ul style="list-style-type: none"> <li>The viewing angle cannot be changed when the DVD disc being played does not contain the recording of more than one angle.</li> <li>More than one viewing angle may be recorded only in limited sections in a disc.</li> </ul>

**DVD player unit**

Symptom	Cause	Remedy
<b>Playback will not start even after a title is selected.</b>	<ul style="list-style-type: none"> <li>● A viewing restriction (<b>PARENTAL</b>) has been set for the disc.</li> </ul>	<ul style="list-style-type: none"> <li>● Check the viewing restriction level (<b>PARENTAL</b>) setting.</li> </ul>
<b>The parental level cannot be changed.</b>	<ul style="list-style-type: none"> <li>● You have forgotten the password.</li> </ul>	<ul style="list-style-type: none"> <li>● Set the initial setup to the factory setup with the following procedure.               <ol style="list-style-type: none"> <li>① Press the <b>SETUP</b> key on the remote to display the Setup menu.</li> <li>② Input the 6-digit number "210499" and the security code is cleared.</li> <li>③ Enter a new code.</li> </ol> </li> </ul>
<b>The voice or subtitle language selected in the initial setting is not played.</b>	<ul style="list-style-type: none"> <li>● The DVD disc being played does not contain the recording of the selected voice or subtitle language.</li> <li>● The initial playback language is specified by the DVD disc.</li> <li>● The DVD specifications provide for selection at the menu screen.</li> </ul>	<ul style="list-style-type: none"> <li>● Use a DVD disc containing the recording of the selected voice or subtitle language.</li> <li>● Press <b>SUBTITLE</b> or the <b>AUDIO</b> key on the remote and select the language. → </li> <li>● Select at the menu screen of the disc.</li> </ul>
<b>Menu screen messages are not shown in the desired language.</b>	<ul style="list-style-type: none"> <li>● The menu language function (MENU) is not set to desired language.</li> </ul>	<ul style="list-style-type: none"> <li>● Select disc menu language. → </li> </ul>
<b>A VCD cannot be played using menus.</b>	<ul style="list-style-type: none"> <li>● The VCD disc being played is not compatible with <b>P.B.C.</b></li> </ul>	<ul style="list-style-type: none"> <li>● Menu playback is available only with VCD discs recorded with <b>P.B.C.</b></li> </ul>

**Inhibition icon**

Symptom	Cause	Remedy
 <b>The inhibition icon is displayed and remote control is not possible.</b>	<ul style="list-style-type: none"> <li>● Playback is restricted intentionally by the software producer.</li> </ul>	<ul style="list-style-type: none"> <li>● The operation is inhibited. Please try another operation.</li> </ul>

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CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE "STANDARD DEFINITION" OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525P DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

## Main unit

### [ Amplifier section ]

Effective output power during STEREO operation	
1 kHz, 10 % T.H.D. at 8 Ω	55 W + 55 W
Effective output power during SURROUND operation	
Front (1 kHz, 10 % T.H.D. at 8 Ω, one channel driven)	55 W + 55 W
Center (1 kHz, 10 % T.H.D. at 8 Ω, one channel driven)	55 W
Surround (1 kHz, 10 % T.H.D. at 8 Ω, one channel driven)	55 W + 55 W
Subwoofer (100 Hz, 10 % T.H.D. at 4 Ω, one channel driven)	100 W
Input sensitivity / impedance	
VIDEO 1 / VIDEO 2	650 mV / 47 kΩ
Output level / impedance	
VIDEO 1	1 V / 100 Ω

### [ Digital audio section ]

Input level / impedance / wave length	
Optical (VIDEO1 / VIDEO2)	-21 dBm ~ -15 dBm, 660 nm

### [ Tuner section ]

FM tuner section	
Tuning frequency range	87.5 MHz ~ 108 MHz
AM Tuner section	
Tuning frequency range (for Europe and Australia)	522 kHz ~ 1,611 kHz
Tuning frequency range (for U.S.A. and Canada)	530 kHz ~ 1,720 kHz

### [ DVD/CD/VIDEO CD player section ]

Signal read system	Semiconductor laser
Video output format (for U.S.A. and Canada)	NTSC
Video output format (for Europe and Australia)	PAL/NTSC

### [ Video section ]

input level / impedance	
VIDEO input (VIDEO 1 / VIDEO 2)	
Composite	1 Vp-p / 75 Ω
Output level / impedance	
VIDEO output (MONITOR OUT / VIDEO 1)	
Composite	1 Vp-p / 75 Ω
S-video output (MONITOR OUT)	
Y-signal	1 Vp-p / 75 Ω
C-signal	
NTSC	0.286 Vp-p / 75 Ω
PAL (for Europe and Australia)	0.300 Vp-p / 75 Ω
Component video output (MONITOR OUT)	
(for U.S.A. and Canada)	
Y-signal	1 Vp-p / 75 Ω
Cb / Cr-signal	0.7 Vp-p / 75 Ω
RGB output (SCART) (for Europe)	0.7 Vp-p / 75 Ω

### [ General ]

Power consumption	70 W
Dimensions	W: 360 mm (14-3/16") H: 74 mm (2-15/16") D: 375 mm (14-13/16")
Weight (net)	4.4 kg (9.7 lb)

## Speaker system

### [ KSW-6300 ]

#### (Front/Center)

Enclosure	Bass-Reflex (Magnetically shielded)
Speaker configuration	50 mm (2"), cone type
Impedance	8 Ω
Power Handling Capacity (DVR-6300)	60 W
Dimensions	W: 80 mm (3-1/8") H: 160 mm (6-5/16") D: 98 mm (3-7/8")
Weight (net)	0.5 kg (1.1 lb)(1 piece)

#### (Surround)

Enclosure	Bass-Reflex
Speaker configuration	50 mm (2"), cone type
Impedance	8 Ω
Power Handling Capacity (DVR-6300)	60 W
Dimensions	W: 80 mm (3-1/8") H: 160 mm (6-5/16") D: 98 mm (3-7/8")
Weight (net)	0.4 kg (0.9 lb) (1 piece)

#### (Subwoofer)

Enclosure	Bass-reflex type
Speaker configuration	
Woofer	160 mm (6-1/2"), cone type
Impedance	4 Ω
Power Handling Capacity (DVR-6300)	100 W
Dimensions	W: 140 mm (5-1/2") H: 350 mm (13-3/4") D: 325 mm (12-13/16")
Weight (net)	4.0 kg (8.8 lb)



KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

- Sufficient performance may not be exhibited at extremely cold locations (Where water freezes).

### ***Speaker system (continued)***

[ KSW-7300 ]

#### ***(Front)***

Enclosure ..... Bass-Refrex (Magnetically shielded)  
 Speaker configuration ..... 50 mm (2"), cone type × 2  
 Impedance ..... 8 Ω  
 Power Handling Capacity (DVR-6300) ..... 60 W  
 Dimensions ..... W: 124 mm (4-7/8")  
   H: maximum 337 mm (13-1/4")  
   D: 150 mm (5-7/8")  
 Weight (net) ..... 1.4 kg (3.1 lb)(1 piece, including the stand)

#### ***(Center)***

Enclosure ..... Bass-Refrex (Magnetically shielded)  
 Speaker configuration ..... 50 mm (2"), cone type × 2  
 Impedance ..... 8 Ω  
 Power Handling Capacity (DVR-6300) ..... 60 W  
 Dimensions ..... W: 210 mm (8-1/4")  
   H: 80 mm (3-1/8")  
   D: 98 mm (3-7/8")  
 Weight (net) ..... 0.8 kg (1.8 lb)

#### ***(Surround)***

Enclosure ..... Bass-Refrex  
 Speaker configuration ..... 50 mm (2"), cone type  
 Impedance ..... 8 Ω  
 Power Handling Capacity (DVR-6300) ..... 60 W  
 Dimensions ..... W: 80 mm (3-1/8")  
   H: 160 mm (6-5/16")  
   D: 98 mm (3-7/8")  
 Weight (net) ..... 0.4 kg (0.9 lb) (1 piece)

#### ***(Subwoofer)***

Enclosure ..... Bass-reflex type  
 Speaker configuration  
   Woofers ..... 160 mm (6-1/2"), cone type  
 Impedance ..... 4 Ω  
 Power Handling Capacity (DVR-6300) ..... 100 W  
 Dimensions ..... W: 140 mm (5-1/2")  
   H: 350 mm (13-3/4")  
   D: 325 mm (12-13/16")  
 Weight (net) ..... 4.0 kg (8.8 lb)

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# KENWOOD

***For your records***

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model \_\_\_\_\_ Serial Number \_\_\_\_\_