



# DVD Home Cinema & Set Top Box System

## OWNER'S MANUAL

**MODEL: DAT-200**

(Main Unit: DAT-200I,

Speakers: DATS-200T, DATS-200W)



Before connecting up or operating this product,  
please read this instruction booklet carefully and  
completely.

FOR THE GUARANTEE TERMS & CONDITIONS,  
PLEASE REFER TO THE BACK COVER OF THIS  
MANUAL.



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



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



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



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

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

**WARNING:** Do not install this equipment in a confined space such as a book case or similar unit.

CLASS 1 LASER PRODUCT  
KLASSE 1 LASER PRODUKT  
LUOKAN 1 LASER LAITE  
KLASS 1 LASER APPARAT  
CLASSE 1 PRODUIT LASER

**CAUTION:**

This System employs a Laser System.

To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service location (see service procedure).

Performing controls, adjustments, or carrying out procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. **DO NOT STARE INTO BEAM.**

**CAUTION:** The apparatus should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.



This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 89/336/EEC, 93/68/EEC and 73/23/EEC.

**About the symbols for instructions**



Indicates hazards likely to cause harm to the unit itself or other material damage.



Indicates special operating features of this unit.



Indicates tips and hints for making the task easier.

**POWER:** This System operates on a mains supply of 230V~, 50/60Hz.

**WIRING:** This System is supplied with a BSI 1363 approved 13 amp mains plug, with a 13 or 5 amp fuse. When replacing the fuse always use a 13 or 5 amp BS 1362, BSI or ASTA approved type. Never use this plug without the fuse cover. To obtain a replacement fuse cover contact your dealer or "LG Electronics U.K.Ltd." If the type of plug supplied is not suitable for the mains sockets in your home, then the plug should be removed and a suitable type fitted. Please refer to the wiring instructions below:

**WARNING:** A mains plug removed from the mains lead of this System must be destroyed. A mains plug with bared wires is hazardous if inserted in a mains socket. Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol  $\perp$  or coloured green or green and yellow.

If any other plug is fitted, use a 13 or 5 amp fuse, either in the plug, or at the distribution board.

**IMPORTANT:** The wires in this mains lead are coloured in accordance with the following codes:

- **BLUE: NEUTRAL, BROWN: LIVE** - As the colours of the wires in the mains lead of this System may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

**NOTES ON COPYRIGHTS:**

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission.

This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When recording and playing the pictures of these discs on a VCR, picture noise will appear.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

**SERIAL NUMBER:** The serial number is located on the back of this unit. This number is unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

## Introduction

<b>Safety Precautions</b> .....	<b>2</b>
<b>Table of Contents</b> .....	<b>3</b>
<b>Before Use</b> .....	<b>4-5</b>
Playable Discs .....	4
Precautions .....	5
Notes on Discs .....	5
About Symbols .....	5
<b>Front Panel and Display Window</b> .....	<b>6</b>
<b>Remote Control Buttons</b> .....	<b>7</b>
<b>Rear Panel</b> .....	<b>8</b>

## Preparation

<b>Connections</b> .....	<b>9-13</b>
Terrestrial Aerial & TV Connections .....	9
Optional Equipment Connections .....	10
FM/AM Aerial Connections .....	11
Speaker System Connection .....	12
Speaker Positioning .....	13

## Digital TV Operation

<b>Setting up Digital TV Stations</b> .....	<b>14-19</b>
Automatic Search .....	14
Manual Search .....	15
Store Programme .....	16
Introduction Service Type Icon .....	16
Display Format .....	17
Audio Language .....	17
Subtitle Language .....	18
Software Update .....	18
System Information .....	19
<b>Basic Operation</b> .....	<b>19-21</b>
Changing the Audio Language .....	19
Changing the Subtitle Language .....	19
Programme Information .....	19
EPG (Electronic Programme Guide) .....	20
Digital Teletext .....	20
OAD (Over Air Download) .....	21

## DVD Operation

<b>Before Operation</b> .....	<b>22-26</b>
Mini Glossary for Audio Stream & Surround .....	
Mode .....	22
Sound Mode .....	22
General Explanation .....	23
On-Screen Display .....	23
Initial Settings .....	24-26
• <i>Initial Settings General Operation</i> .....	24
• <i>Language</i> .....	24
• <i>Picture</i> .....	24
• <i>Speaker Setup</i> .....	25
• <i>Others</i> .....	25
• <i>Parental Control</i> .....	26
<b>DVD and Video CD Operation</b> .....	<b>27-28</b>
Playing a DVD and Video CD .....	27
General Features .....	27
• <i>Moving to another TITLE</i> .....	27
• <i>Moving to another CHAPTER/TRACK</i> .....	27
• <i>Search</i> .....	27
• <i>Still Picture and Frame-by-Frame Playback</i> .....	28

• <i>Slow Motion</i> .....	28
• <i>Repeat</i> .....	28
• <i>Repeat A-B</i> .....	28
• <i>Time Search</i> .....	28
• <i>3D Surround</i> .....	28
• <i>Zoom</i> .....	29
• <i>Marker Search</i> .....	29
Special DVD Features .....	29
• <i>Title Menu</i> .....	29
• <i>Disc Menu</i> .....	29
• <i>Camera Angle</i> .....	29
• <i>Changing the Audio Language</i> .....	29
• <i>Changing the Audio Channel</i> .....	29
• <i>Subtitles</i> .....	29

## Audio CD and MP3/WMA Disc Operation

Playing Audio CDs or MP3/WMA Discs .....	30
Notes on MP3/WMA Recordings .....	30
• <i>Pause</i> .....	31
• <i>Moving to another Track</i> .....	31
• <i>Repeat Track/All/Off</i> .....	31
• <i>Search</i> .....	31
• <i>Repeat A-B</i> .....	31
• <i>3D Surround</i> .....	31
• <i>Changing the Audio Channel</i> .....	31

## JPEG File Operation

Viewing JPEG File .....	32
• <i>Moving to another File</i> .....	32
• <i>Still Picture</i> .....	32
• <i>To flip the picture</i> .....	32
• <i>To rotate picture</i> .....	32
• <i>Notes on JPEG Recordings</i> .....	32

## Programmed Playback

Programmed Playback with Audio CD .....	33
and MP3/WMA Disc .....	33
Programmed Playback with Video CD .....	33

## Speaker Setup

<b>Additional Information</b> .....	<b>34</b>
Last Condition Memory .....	34
System Select .....	34




## Radio Operation

<b>Radio Operation</b> .....	<b>35-36</b>
Presetting the radio stations .....	35
Listening to the radio .....	35
RDS Operation .....	36
Programme Search (PTY) .....	36
<b>Other Functions</b> .....	<b>37</b>
Sleep Timer Setting .....	37
Dimmer .....	37
Mute .....	37
Using Headphone Jack .....	37
Selecting input source .....	37

## Reference

<b>Language Code List</b> .....	<b>38</b>
<b>Country Code List</b> .....	<b>39</b>
<b>Troubleshooting</b> .....	<b>40-41</b>
<b>Specification</b> .....	<b>42</b>

## Playable Discs

	DVD (8 cm / 12 cm disc)
	Video CD (VCD) (8 cm / 12 cm disc)
	Audio CD (8 cm / 12 cm disc)

In addition, this unit can play a DVD-RW, DVD+RW, Kodak PICTURE CD, SVCD and CD-R or CD-RW that contains audio titles, MP3, WMA or JPEG files.

### Notes

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD-RW, DVD+RW) disc itself, some CD-R/RW (or DVD-RW, DVD+RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). It may result in malfunctions.

### Notes on DVDs and Video CDs

Some playback operations of DVDs and Video CDs may be intentionally fixed by software manufacturers. As this unit plays DVDs and Video CDs according to disc content designed by the software manufacturer, some playback features of the unit may not be available or other functions may be added.

Make sure to also refer to the instructions supplied with the DVDs and Video CDs. Some DVDs made for business purposes may not be able to be played on the unit.

### Regional code of the System and DVDs

This System is designed and manufactured for playback of region “2” encoded DVD software. The region code on the labels of some DVDs indicates which type of player can play those discs. This unit can only play DVDs labeled “2” or “ALL”. If you try to play any other discs, the message “Check Regional Code” will appear on the TV screen. Some DVDs that have no region code label may still be subject to area restrictions and therefore not playable.



## Disc-related terms

### Title (DVD only)

The main film content or accompanying feature content or additional feature content, or music album.

Each title is assigned a title reference number enabling you to locate it easily.

### Chapter (DVD only)

Sections of a video or a musical piece that are smaller than titles. A title is composed of one or several chapters. Each chapter is assigned a chapter number, enabling you to locate the chapter you want. Depending on the disc, chapters may not be recorded.

### Track (Video CD and audio CD only)

Sections of a video or a musical piece on a video CD or an audio CD. Each track is assigned a track number, enabling you to locate the track you want.

### Scene

On a video CD with PBC (Playback control) functions, moving pictures and still pictures are divided into sections called “Scenes”. Each scene is displayed in the menu screen and assigned a scene number, enabling you to locate the scene you want.

A scene is composed of one or several tracks.

## Types of video CDs

There are two types of video CDs:

### Video CDs equipped with PBC (Version 2.0)

PBC (Playback control) functions allow you to interact with the system via menus, search functions, or other typical computer-like operations. Moreover, still pictures of high resolution can be played if they are included in the disc.

### Video CDs not equipped with PBC (Version 1.1)

Operated in the same way as audio CDs, these discs allow playback of video pictures as well as sound, but they are not equipped with PBC.

*Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic”, and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished works. Copyright 1992-1997 Dolby Laboratories. All rights reserved.*

*Manufactured under license from Digital Theater Systems, Inc. US Pat. No. 5,451,942 5,956,674, 5,974,380, 5,978,762 and other worldwide patents issued and pending. “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc. Copyright 1996, 2000 Digital Theater Systems, Inc. All rights reserved.*

## **Precautions**

### **Handling the unit**

#### **When shipping the unit**

The original shipping carton and packing materials may come in handy. For maximum protection, re-pack the unit as it was originally packed at the factory.

#### **When setting up the unit**

The picture and sound of a nearby TV, VCR, or radio may be disturbed during playback. In this case, position the unit away from the TV, VCR, or radio, or turn off the unit after removing the disc.

#### **To keep the exterior surfaces clean**

Do not use volatile liquids, such as insecticide spray, near the unit. Do not leave rubber or plastic products in contact with the unit for a long period of time. They may leave marks on the surface.

### **Cleaning the unit**

#### **To clean the cabinet**

Use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzene, or thinner, as these might damage the surface of the unit.

#### **To obtain a clear picture**

The System is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality will be poor.

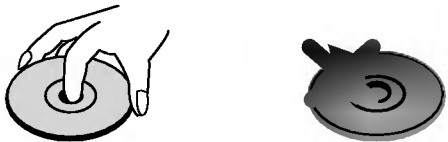
Regular inspection and maintenance are recommended after every 1,000 hours of use. (This depends on the operating environment.)

For details, please contact your nearest dealer.

## **Notes on Discs**

### **Disc Handling**

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface. Do not stick paper or tape on the disc.



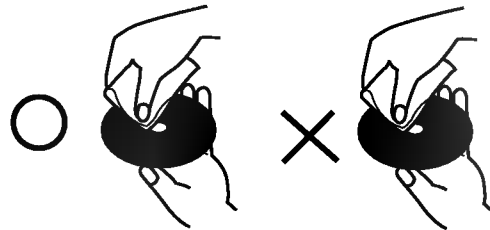
### **Storing discs**

After playing, store the disc in its case.

Do not expose the disc to direct sunlight or sources of heat, or leave it in a parked car exposed to direct sunlight, as there may be a considerable temperature increase inside the car.

### **Cleaning discs**

Fingerprints and dust on the disc can distort the picture or reduce sound quality. Before playing, clean the disc with a clean cloth. Wipe the disc from the centre outwards.



Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for vinyl records.








## **About Symbols**

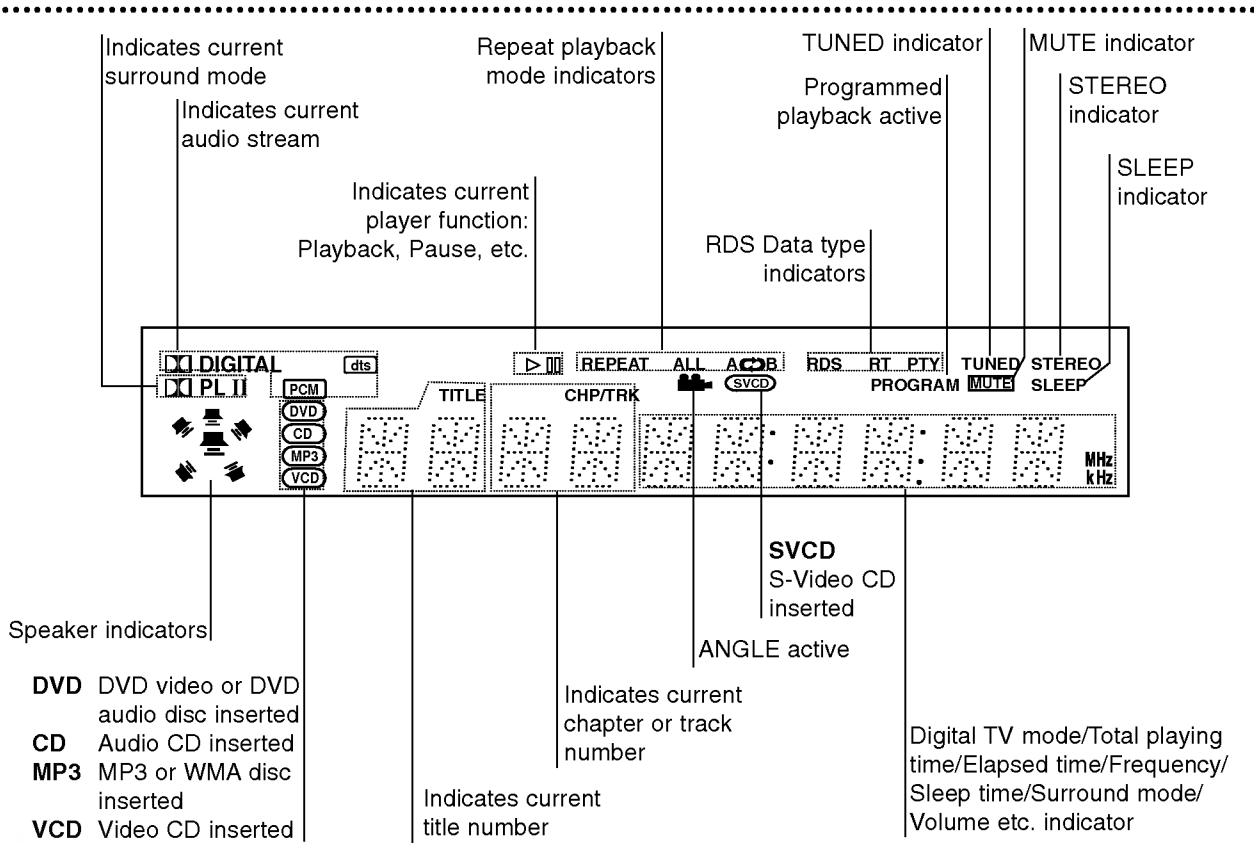
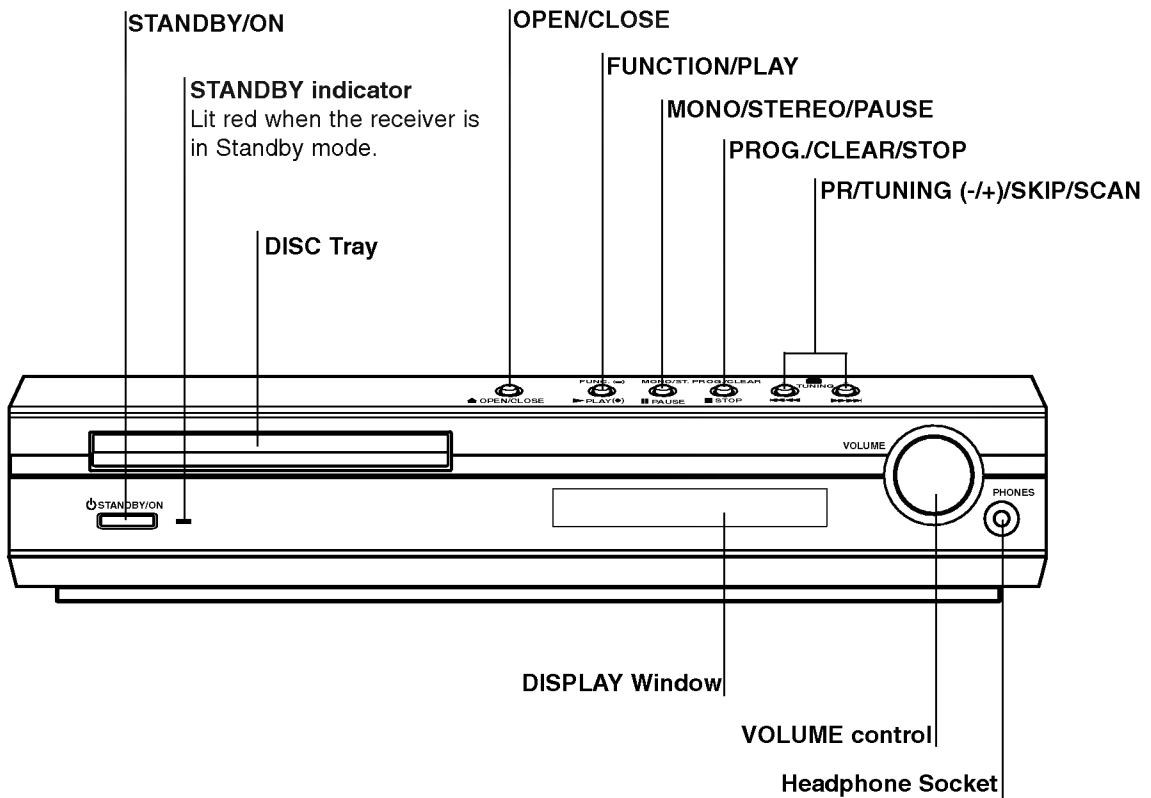
### **About the Ⓞ symbol display**

“Ⓞ” may appear on the TV screen during operation. This icon means the function explained in this owner's manual is not available on that specific DVD video disc.

### **About the disc symbols for instructions**

A section whose title has one of the following symbol is applicable only to the disc represented by the symbol.

-  DVD
-  Video CDs with the PBC (playback control) function.
-  Video CDs without the PBC (playback control) function.
-  Audio CDs.
-  MP3 disc.
-  WMA disc.
-  JPEG disc.



**BAND**  
Select the System's tuner (FM and AM bands)

**POWER**  
Switches System ON and OFF.

**DVD/CD**  
Select the output source (CD/DVD).

**TV**  
To select the digital TV mode.

**0-9 numerical buttons**  
Select a service, programme number directly or select numbered options in a menu.

**TEXT** ●  
To switch on or off teletext.

**SUBTITLE** ●  
To display or change the subtitle language for the current service.

**GUIDE** ●  
To display the programme information list box on the TV screen.

**SETUP**  
Accesses or removes setup menu .

**DVD MENU**  
Accesses menu on a DVD disc.

**SLOW SCAN (◀◀/▶▶)**  
Reverse/ Forward slow playback.

**PR/PRESET(+/-)**  
Select programme of TV or Radio.

**STOP (■)** ●  
Stops playback.

**PAUSE/STEP (⏸)** ●  
Pause playback

**PLAY (▶)** ●  
Starts playback.

**PROGRAM** ●  
Accesses or removes Program menu.

**CLEAR** ●  
Removes a track number on the program menu or a mark on the MARKER SEARCH menu.

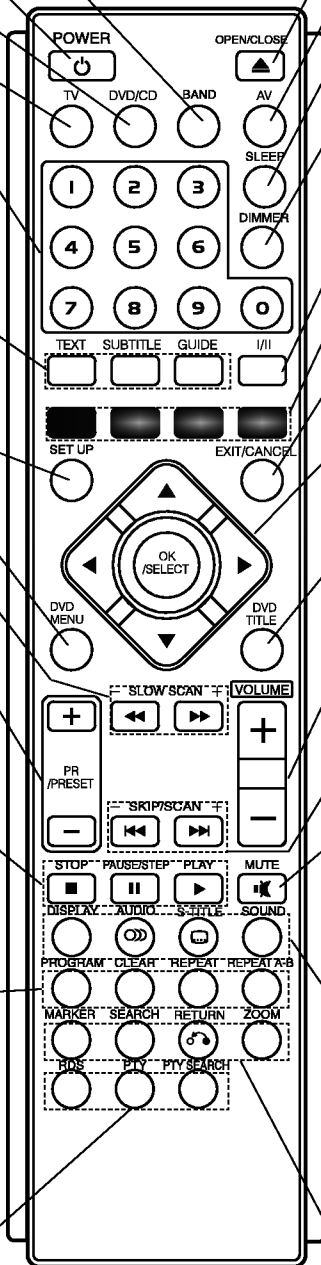
**REPEAT** ●  
Repeat chapter, track, title, all.

**A-B/REPEAT** ●  
Repeats sequence.

**RDS** ●  
View the various displays of the RDS options that are available when a station is transmitting RDS data.

**PTY** ●  
Search for a different PTY.

**PTY SEARCH** ●  
Starts a search for a specific PTY type.



**OPEN/CLOSE (▲)**  
Opens and closes the disc tray.

**AV**  
Selects input source.

**SLEEP**  
Set the System to turn off automatically at a specified time.

**DIMMER**  
Press to change brightness of the display window on the front panel during in power-on status.

**I/II**  
Selects the audio language of TV Station.

**COLOURED BUTTONS**  
Used for interactive applications, Setup and EPG mode.

**EXIT/CANCEL**  
Returns to TV viewing from any menu. Clears the menu from the screen.

- ◀▶/▲▼ (left/right/up/down)  
Selects an option in the menu.
- OK/SELECT  
- Displays functions on the TV screen.  
- Acknowledges menu selection.

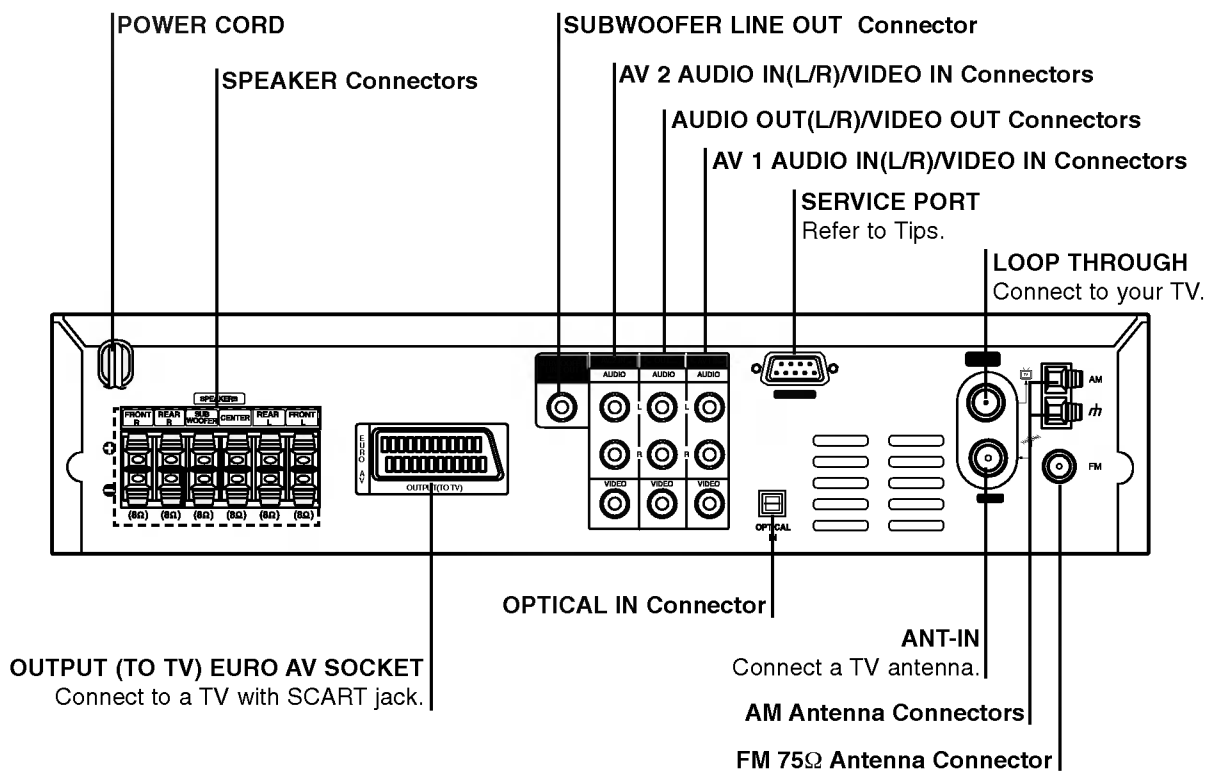
**DVD TITLE**  
Displays the disc's Title menu, if available.

**VOLUME (+/-)**  
Adjusts speaker volume.

- -SKIP/SCAN (◀◀)  
Search backward\*/go to beginning of current chapter or track or go to previous chapter or track.
- +SKIP/SCAN (▶▶)  
Search forward\*/go to next chapter or track.

**MUTE**  
Mute the speakers.

- DISPLAY  
Accesses On-Screen display.
- AUDIO  
Selects an audio language (DVD) or an audio channel (CD).
- SUBTITLE  
Selects a subtitle language (DVD).
- SOUND MODE  
Selects sound mode between PRO LOGIC, PLII MOVIE, PLII MUSIC, PLII MATRIX, ROCK, POP, LIVE, DANCE, TECHNO, CLASSIC, SOFT, 3D SURROUND and BYPASS.
- MARKER  
Marks a point during playback.
- SEARCH  
Displays MARKER SEARCH menu.
- RETURN  
Removes the setup menu.
- ZOOM  
Enlarges DVD video image.



**Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.**



- Tips**
- The SERVICE port is used to upgrade the software version and debug without changing the hardware.
  - Be careful not to use this port. Contact your dealer or service centre.



## Terrestrial Aerial & TV Connections

- Make one of the following connections, depending on the capabilities of your existing equipment.

### **T**ips

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the System. Use one of the connections described below.
- Please refer to the manuals of your TV, VCR, Stereo System or other devices as necessary to make the best connections.

### **!** Caution

- Make sure the System is connected directly to the TV. Select the correct AV input on your TV.
- Do not connect your System to TV via your VCR. The DVD image could be distorted by the copy protection system.

### Aerial connections

- 1** Connect the TV aerial to the ANT-IN jack on the System (**T**).
- 2** Connect the LOOP THROUGH jack on the System to the AERIAL INPUT jack on your TV (**R**) using a coaxial RF cable.

### Video/Audio connections

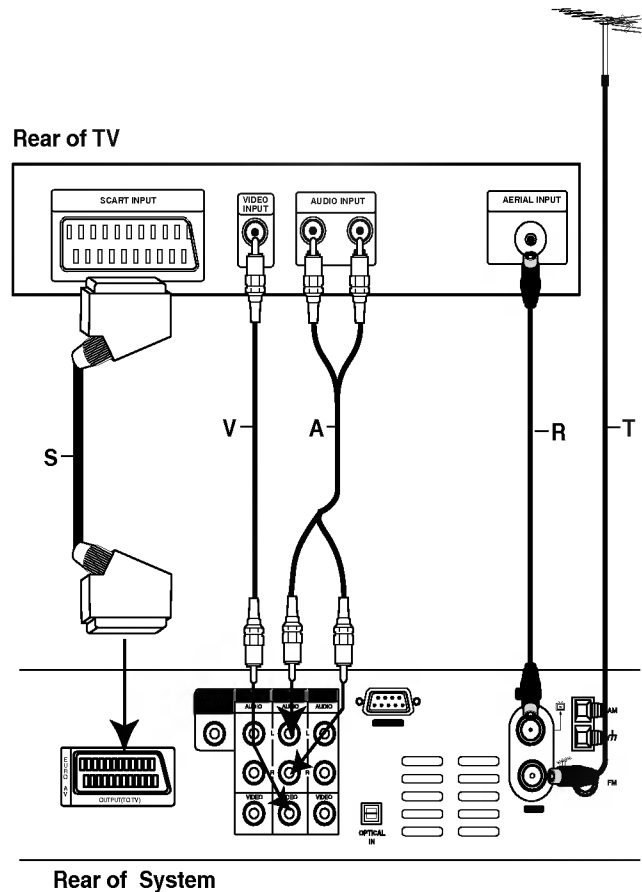
- 1** Connect the VIDEO OUT jack on the System to the VIDEO IN jack on your TV using the video cable (**V**).
- 2** Connect the Left and Right AUDIO OUT jacks of the System to the audio left/right in jacks on your TV (**A**) using the audio cables.

### SCART connection

Connect the OUTPUT (TO TV) EURO AV scart jack on the System to the corresponding in jacks on the TV using the scart cable (**S**).

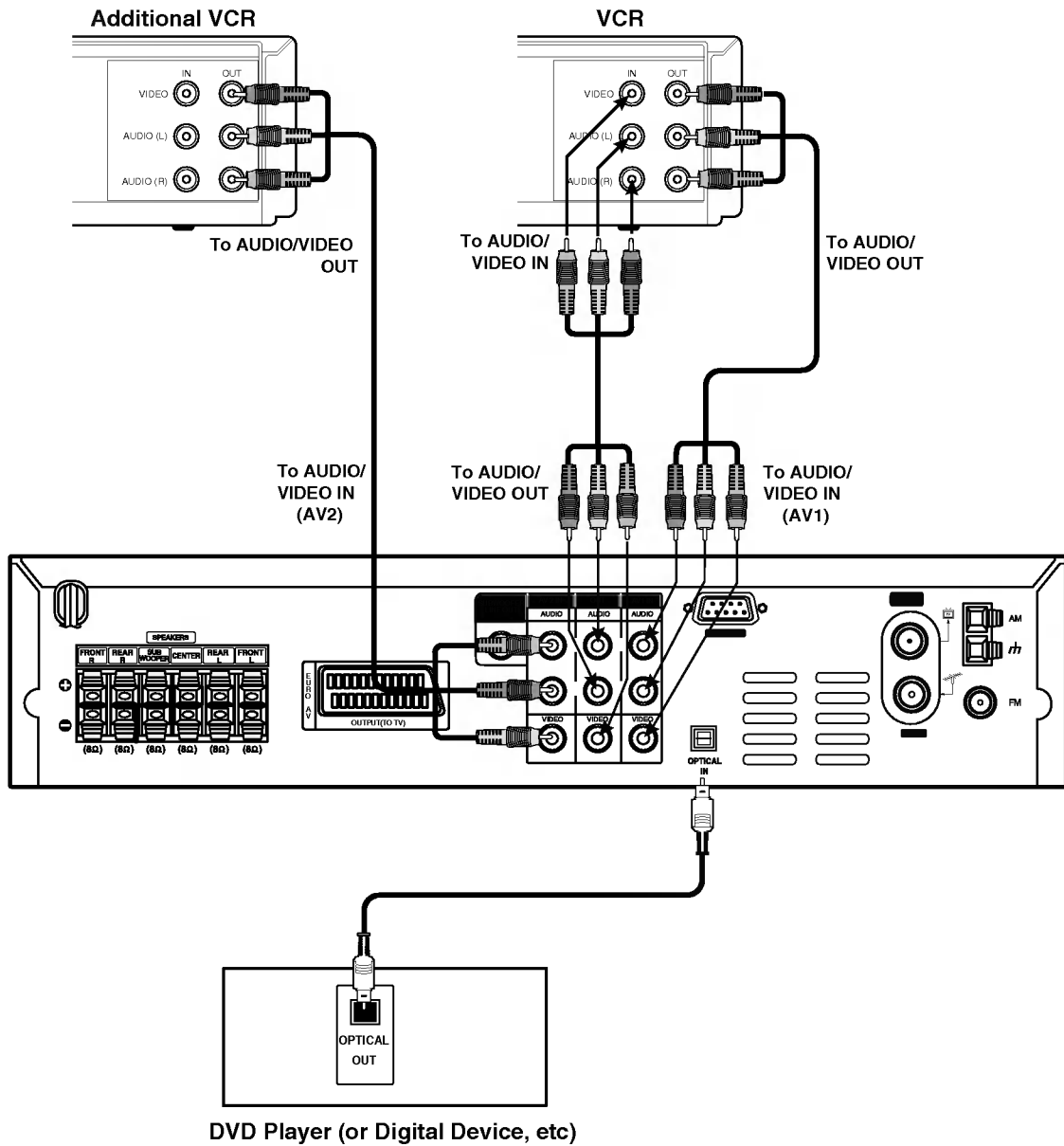
### **N**ote

- When you connect the System to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.



## Connecting to Optional Equipment

- 1** Connect a VCR to the AV1 connectors.
- 2** Connect a additional VCR to the AV2 connectors.
- 3** Connect an optical output of DVD Player (or Digital Device etc) to the OPTICAL IN connector.
- 4** Connect an optical input of DVD Player (or Digital Device etc) to the OPTICAL OUT connector.



### Note

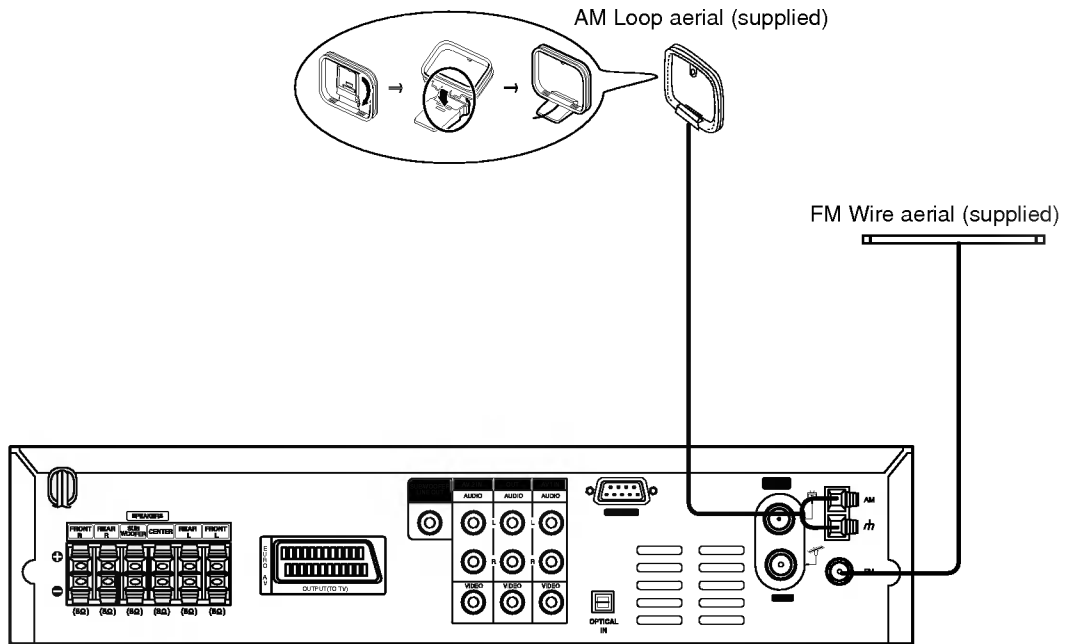
- If the audio format of the digital output does not match the capabilities of your System, the receiver will produce a strong, distorted sound or no sound at all.



## FM/AM Aerial Connections

Connect the supplied FM/AM aerial for listening to the radio.

- Connect the AM loop aerial to the AM aerial connector.
- Connect the FM wire aerial to the FM aerial connector.



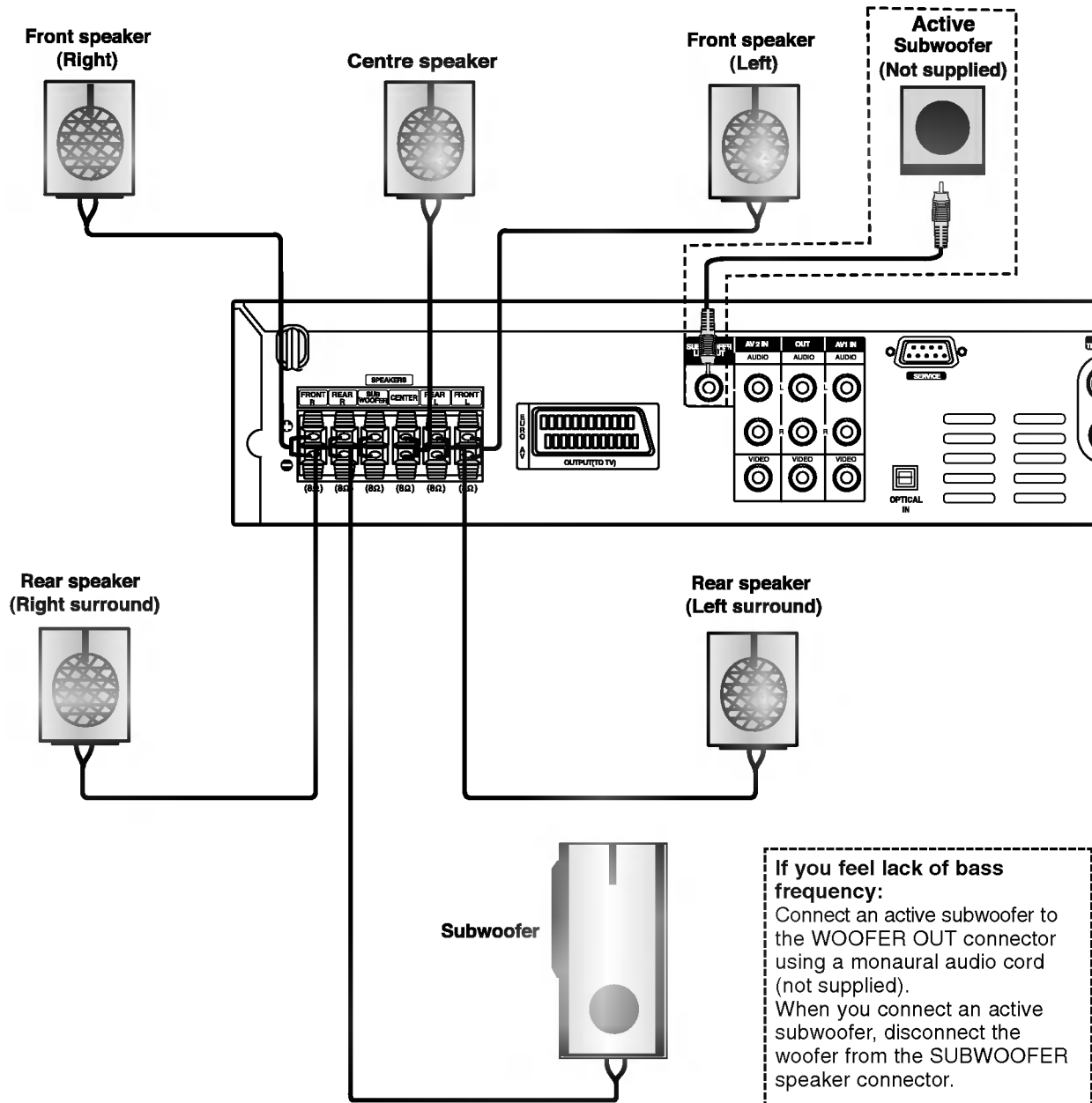
### **N**otes

- To prevent noise pickup, keep the AM loop aerial away from the System and other components.
- Be sure to fully extend the FM wire aerial.
- After connecting the FM wire aerial, keep it as horizontal as possible.

## Speaker System Connection

Connect the speakers using the supplied speaker cords.

To obtain the best possible surround sound, adjust the speaker parameters (volume, distance, etc.).



### Notes

- Be sure to match the speaker cable to the appropriate terminal on the components: + to + and – to –. If the cables are reversed, the sound will be distorted and will lack bass.
- If you use front speakers with low maximum input rating, adjust the volume carefully to avoid excessive output on the speakers.
- Do not remove the front cover of supplied speaker.

## Speaker Positioning

In the case of normal position use the 6 speakers (2 front speakers, centre speaker, 2 rear speakers and sub-woofer).

If you want to increased bass sound, you should connect an active subwoofer.

- **Front speakers**

Set up the front speakers or equal distance from your hearing position.

- **Centre speaker**

The centre speakers and front speakers should ideally be the same height. Place the centre speaker above or below the television.

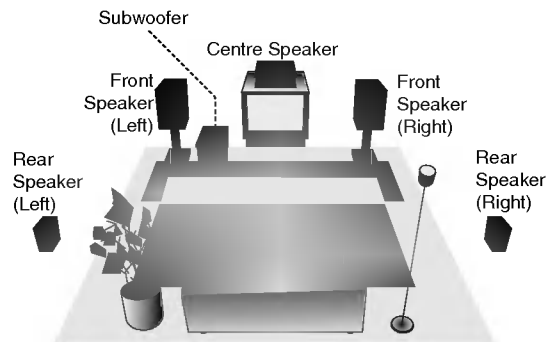
- **Rear speakers**

Place left and right behind the listening area. These speakers recreate sound motion and atmosphere required for surround sound playback. For best results, do not install the rear speakers too far behind the listening position and install them at or above the level of the listener's ears. It is may help to direct the rear speakers towards a wall or ceiling to further disperse the sound.

In the case of a smaller room size, if the audience is near to the rear wall set the rear speakers opposite each other, and set their 60 - 90 cm above the listener's ears.

- **Subwoofer**

This can be placed in any front position.



**Speaker Positioning Example**

It is necessary to tune the unit in order to receive TV programmes.

Turn on the system and the TV (or monitor), and press **TV** on the remote control to select the DIGITAL TV mode.

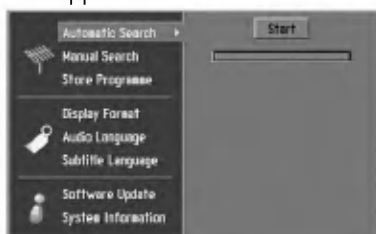


- When you turn on the system, automatic search will start unless the unit has already memorised programmes.

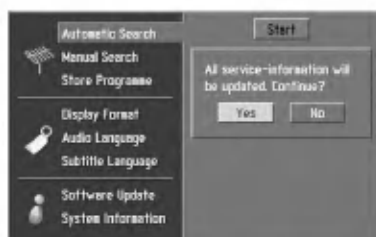
## Automatic Search

### 1 Press SET UP.

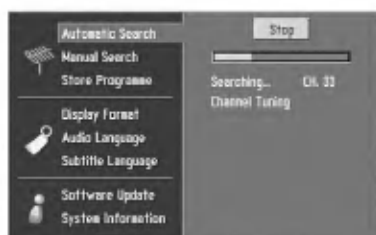
The menu appears on the screen.



### 2 Press ► and press OK to start channel search.

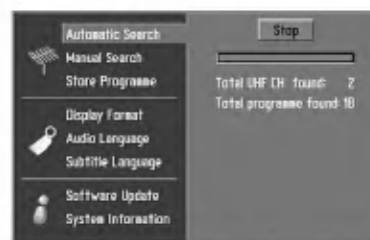


### 3 Press ◀ or ▶ to select YES or NO. To start the automatic search, select YES. Otherwise, select NO.



- Select the STOP button to cancel Automatic Search.

### 4 When the Automatic Search is completed, the Store Programme menu appears.



### 5 Press ◀ and press SET UP to return to TV viewing.



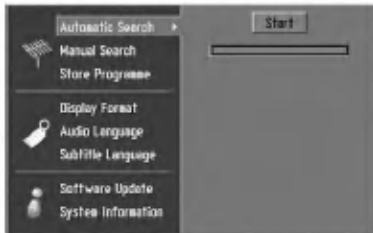
- When you start auto search in digital TV mode, all the stored service information will be deleted.



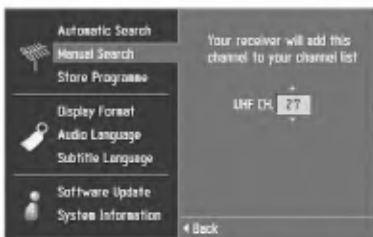
## Manual Search

You can tune and set the stations manually when the specific MUX (UHF CH) is updated or when the station has not been found during the auto search mode.

- 1 Press SET UP.**  
The menu appears on the screen.

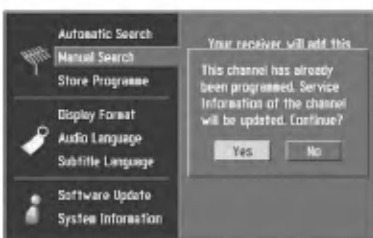


- 2 Press ▼ to select Manual Search and press ► or OK.**

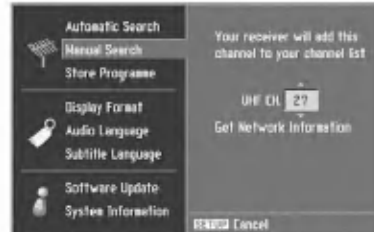


- 3 Press ▲▼ to select the UHF channel number that you want to add or update in your channel list and then press OK.**

(Channel Range: CH21-CH69)



- 4 Press ◀ or ▶ to select YES or NO.**  
If you want to update the selected channel, select YES. Otherwise, select NO.



- Tip**  
To cancel Channel Search, press SET UP.

- 5 When the Manual Search is completed, the Store Programme menu appears.**



- 6 Press ◀ and press SET UP to return to TV viewing.**

- Tip**  
You can find the programme list from the website.

- <http://www.dtg.org.uk>

## Store Programme

Store Programme shows information about the current stored programmes.

If you skip a programme number, you will be unable to select it using PR/PRESET (+/-) on the remote control during TV viewing. If you want to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the Store Programme menu.

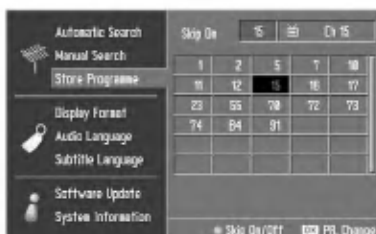
- 1 Press **SET UP**.  
The menu appears on the screen.



- 2 Press **▲▼** to select the Store Programme and press **▶** or **OK**.



- 3 Select a programme to be stored or skipped with the **▲▼** or **◀▶** button.



- 4 Press the **BLUE** button repeatedly to have the programme skipped or stored.

In case of skipped programmes, the programme number will dim and these programmes will not be selected by the PR/PRESET (+/-) on the remote control during TV viewing.

### Tips

- To watch the selected programme, press **OK**.
- You must remove the menu to display teletext.

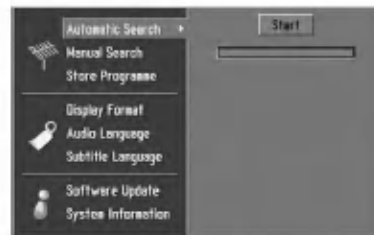
- 5 Press **◀** and press **SET UP** to return to TV viewing.



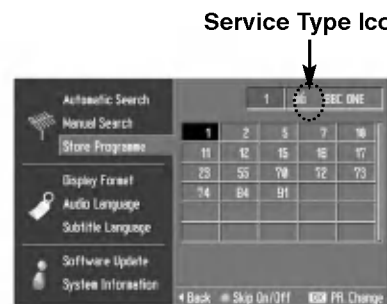
## Introduction Service Type Icon

You can view the Service Type Icon (TV channels, Radio channels or Teletext) from Store Programme.

- 1 Press **SET UP**.  
The menu appears on the screen.



- 2 Press **▲▼** to select the Store Programme and press **▶** or **OK**.



### Tips

- Displayed when the TV Programme
- Displayed when the RADIO Programme
- Displayed when the Teletext Programme

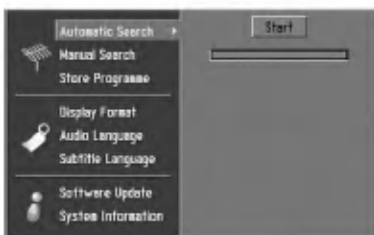
- 3 Press **◀** and press **SET UP** to return to TV viewing.



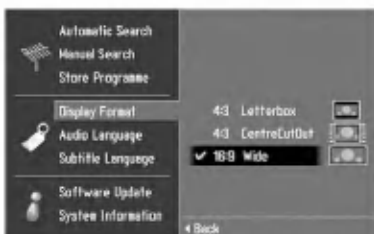
## Display Format

You can watch TV in various display formats; 4:3 (Letterbox), 4:3 (CentreCutOut), 16:9 (Wide).

- 1** Press **SET UP**.  
The menu appears on the screen.



- 2** Press **▲▼** to select the Display Format and press **▶** or **OK**.



- 3** Press **▲▼** to select the required Display Format.

**4:3 Letterbox** : Select when a 4:3 TV is connected. Displays images with masking bars above and below the picture.

**4:3 CentreCutOut** : Select when a 4:3 TV set is connected. The video material formatted in the CentreCutout style is played back in that style (both sides of the picture are cut off).

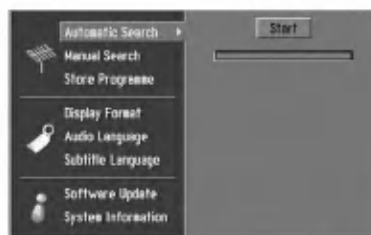
**16:9 Wide** : Select when a 16:9 wide TV is connected.

- 4** Press **◀** and press **SET UP** to return to TV viewing.

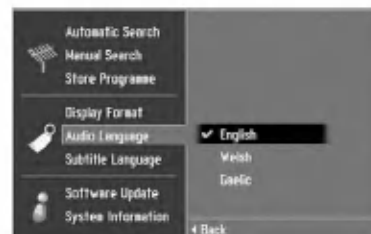
## Audio Language

This function lets you select your preferred language for audio.

- 1** Press **SET UP**.  
The menu appears on the screen.



- 2** Press **▲▼** to select the Audio Language and press **▶** or **OK**.



- 3** Press **▲▼** to select English, Welsh or Gaelic.

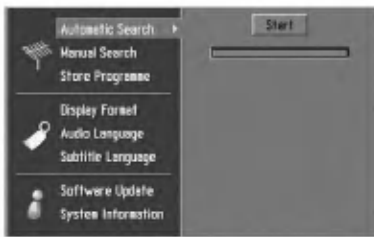
- 4** Press **◀** and press **SET UP** to return to TV viewing.

## Subtitle Language

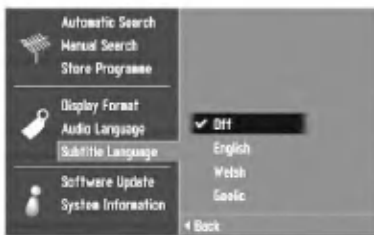
This function lets you select your preferred language for subtitle.

You can select **Off** from the subtitle language list to deactivate all subtitle from the screen.

- 1 Press SET UP.**  
The menu appears on the screen.



- 2 Press ▲▼ to select the Subtitle Language and press ► or OK.**



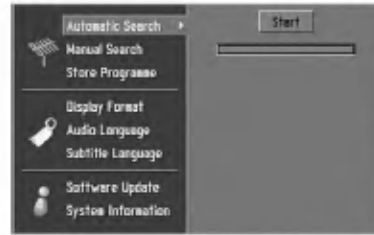
- 3 Press ▲▼ to select Off, English, Welsh or Gaelic.**

- 4 Press ◀ and press SET UP to return to TV viewing.**

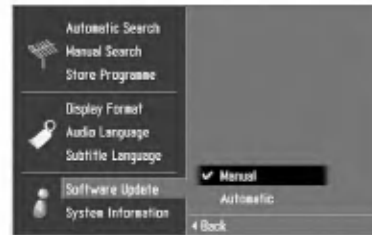
## Software Update

In order to maintain the proper performance of this product, it is essential to have the most up-to-date software.

- 1 Press SET UP.**  
The menu appears on the screen.



- 2 Press ▲▼ to select Software Update and press ► or OK.**



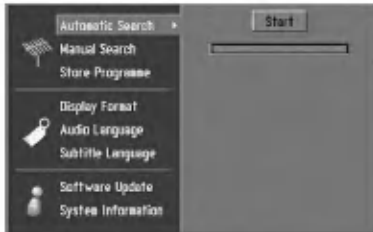
- 3 Press ▲▼ to select the software update mode.**  
If you select Manual, a message will be displayed to notify that new software is found.  
If you select Automatic, software will be updated automatically, and you will not be asked if you accept the update.

- 4 Press ◀ and press SET UP to return to TV viewing.**

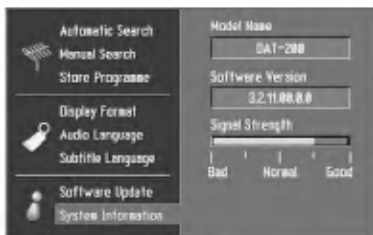
## System Information

This function shows software version and signal strength.

- 1** Press **SET UP**.  
The menu appears on the screen.



- 2** Press **▲▼** to select the System Information.



### Note

- If signal strength is weak, check the RF cable or antenna.

- 3** Press **SET UP** to return to TV viewing.

## Changing the Audio Language

You can select audio language with the **III** on the remote control when two or more Audio Languages are broadcast.



## Changing the Subtitle Language

You can select Subtitle language with the **SUBTITLE** on the remote control when two or more Subtitle Languages are broadcast.



## Programme Information

If you press **OK**, you can see the current information of the programme.



## EPG (Electronic Programme Guide)

This system has an Electronic Programme Guide (EPG) to help you navigate through all the possible viewing options.

The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster).

### 1 Press GUIDE to switch on EPG.



#### Tip

- Press GUIDE again to switch off EPG and return to TV viewing.

### 2 Press ▲▼ to select required programme, then press OK to display the selected programme.



### 3 Press COLOURED button to enter the sub menu by group.

#### Tip

- The Custom option may display programme information except for skipped programme.

#### Note

- This function can be used only when the EPG information is broadcast by broadcasting companies.

## Teletext

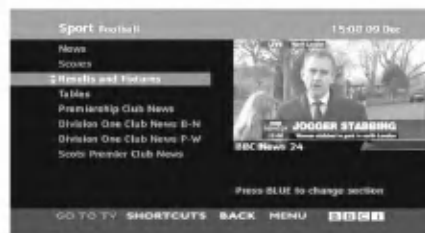
The set gives you access to teletext which is greatly improved in various aspects such as text and graphics. This teletext can be accessed by special teletext services and specific services which broadcast teletext.

### 1 Press the numeric or PR+/- button to select a service which broadcast teletext.

### 2 Press the TEXT button to access on the teletext.



### 3 Follow the indications on teletext and move onto the next step by pressing OK, ▲▼/◀▶, RED, GREEN, YELLOW, BLUE or NUMBER buttons and so on.



### 4 Press the TEXT to switch off teletext and return to TV viewing.

#### Note

- You should select Off from the subtitle language to display teletext by pressing SUBTITLE.

### 5 Some services may allow you to access text services by pressing the red button.

## OAD (Over Air Download)

OAD, an abbreviation of Over Air Download, means software can be downloaded through the aerial system.

- 1** Occasionally, a broadcast with updated digital programme information will result in the following menu appearing on the TV screen (Over Air Download).



- 2** Select the YES to use the ◀▶ button and when you see the following picture, progress to OAD.



### Tip

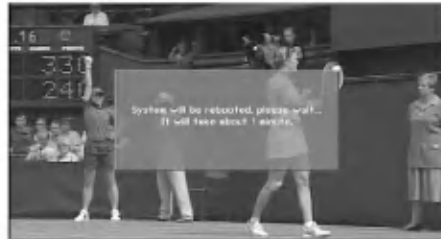
- After OAD, you can confirm the upgraded software version in System Information on page 19.

During Progress of Software Upgrade please note the following!

### Notes

- The power to the system must not be interrupted.
- The system must not be switched off.
- The aerial must not be disconnected.

- 3** After OAD is complete the System takes about one minute to restart.



### Note


- During this time, you should not switch off the power to the set.

## Mini Glossary for Audio Stream & Surround mode


### dts

Allows you to enjoy 5.1(or 6.1) discrete channels of high quality digital audio from DTS program sources such as discs, DVD and compact discs, etc.bearing the trademark. DTS Digital Surround delivers up to 6 channels of transparent audio(which means identical to the original masters) and results in exceptional clarity throughout a true 360 degree sound field. The term DTS is a trademark of DTS Technology, LLC. Manufactured under license from DTS Technology, LLC.

### DIGITAL

The Dolby Digital surround format lets you enjoy up to 5.1 channels of digital surround sound from a Dolby Digital program source. If you play DVDs with “” mark, you can enjoy even better sound quality, greater spatial accuracy, and improved dynamic range.

### PRO LOGIC

Use this mode when playing movie or Dolby Digital 2 channel which carries the “” mark. This mode provides the effect of being in a movie theatre or live concert house-an effect with an intensity which can only be obtained through DOLBY PRO LOGIC SURROUND. The effect of the front/back/left/right movement of the sound image, as well as the sense of fixed position in the sound image, is much clearer and more dynamic than before.

### PRO LOGIC (II)

Dolby Pro Logic II creates five full-bandwidth output channels from two-channel sources. This is done using an advanced, high-purity matrix surround decoder that extracts the spatial properties of the original recording without adding any new sounds or tonal colorations.

#### 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.

### 3D SURROUND

This unit can produce a 3D Surround effect, using 3D Surround Sound technology, which simulates multi-channel audio playback from two conventional stereo speakers instead of the five or more speakers normally required to listen to multi-channel audio from a home theatre. This feature works with DVD discs encoded with Dolby Pro Logic and Dolby Digital audio tracks.

### BYPASS

Software with multichannel surround audio signals is played according to the way it was recorded.



## Sound Mode

You can enjoy surround sound simply by selecting one of the pre-programmed sound fields according to the program you want to listen to.

Each time you press **SOUND MODE** button, the sound mode is changed in the following order;

PRO LOGIC → PLII MOVIE → PLII MUSIC →  
PLII MATRIX → ROCK → POP → LIVE → DANCE → TECHNO → CLASSIC → SOFT → 3D SURROUND → BYPASS ...

### tips





- ROCK: Reproduces the acoustics of rock music.
- POP: Reproduces the acoustics of pop music.
- LIVE: Reproduces the acoustics of a 300-seat live.
- DANCE: Reproduces the acoustics of dance music.
- TECHNO: Reproduces the acoustics of techno music.
- CLASSIC: Reproduces the acoustics of orchestral music.
- SOFT: Ideal for soft acoustic sounds.

### When DVD is inserted.

You can change the sound mode of DVD (Dolby Digital, DTS, PRO LOGIC, etc) by pressing the **AUDIO** button on the remote during playback.



Although the DVD contents differ from disc to disc, the following explains the basic operation when this feature is used.

Each time you press **AUDIO** button, the sound mode of DVD is changed as the following order;

 →  →  → 




### For your reference

- **The System memorizes the last mode settings for each source individually.**
- **You can identify the encoding format of program software by looking at its packaging.**
  - Dolby Digital discs are labeled with the  logo.
  - Dolby Surround encoded programs are labeled with the  logo.
  - DTS Digital Surround discs are marked with DTS.

### notes

- 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 headphones are used.

## General Explanation

This manual gives basic instructions for operating the System. Some DVDs require specific operation or allow only limited operation during playback. When this occurs, the symbol  appears on the TV screen, indicating that the operation is not permitted by the System or is not available on the disc.

## On-Screen Display

General playback status can be displayed on the TV screen. Some items can be changed on the menu.









### On-screen display operation

**1** Press DISPLAY during playback.

**2** Press ▲▼ to select an item.  
The selected item will be highlighted.




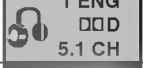



**3** Press ◀▶ to change the setting of an item.  
The number buttons can be also be used for setting numbers (e.g., title number). For some functions, press ENTER to execute the setting.


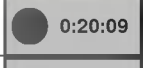


### Temporary Feedback Field Icons

	Repeat Title
	Repeat Chapter
	Repeat Track (non-PBC Video CDs only)
	Repeat All Tracks (non-PBC Video CDs only)
	Repeat A-B
	Repeat Off
	Resume play from this point
	Action prohibited or not available

### Notes

- Some discs may not provide all of the features on the on-screen display example shown below.
- If no button is pressed for 10 seconds, the on-screen display disappears.

Items		Function (Press ▲▼ to select desired item)	Selection Method
Title Number		Shows the current title number and total number of titles, and skips to the desired title number.	◀ / ▶, or Numbers, ENTER
Chapter Number		Shows the current chapter number and total number of chapters, and skips to the desired chapter number.	◀ / ▶, or Numbers, ENTER, SKIP
Time search		Shows the elapsed playing time, and searches the point directly from the elapsed time.	Numbers, ENTER
Audio language and Digital Audio Output mode		Shows the current audio soundtrack language, encoding method, and channel number, and changes the setting.	◀ / ▶, or AUDIO
Subtitle language		Shows the current subtitles language, and changes the setting.	◀ / ▶, or SUBTITLE
Angle		Shows the current angle number and total number of angles, and changes the angle number.	◀ / ▶
Sound		Shows the current sound mode, and changes the setting.	◀ / ▶, or SOUND

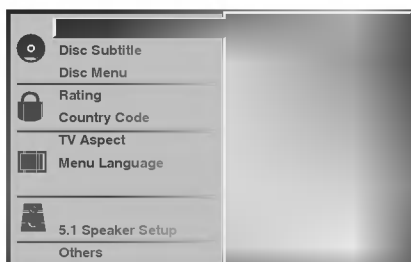
Items		Function (Press ▲▼ to select desired item)	Selection Method
Track Number		Shows the current track number, total number of tracks and PBC On mode, and skips to the desired track number.	◀ / ▶, or Numbers, ENTER
Time		Shows the elapsed playing time (Display only)	-
Audio Channel		Shows the audio channel, and changes the audio channel.	◀ / ▶, or AUDIO
Sound		Shows the current sound mode, and changes the setting.	◀ / ▶, or SOUND

## Initial Settings

You can set your own Personal Preferences on the System.

### Initial Settings General Operation

- 1** Press **SETUP**.  
The setup menu appears.



- 2** Press **▲▼** to select the required item.  
The screen will show the current setting for the selected item, as well as alternate setting(s).

- 3** While the required item is selected, press **▶**, then **▲▼** to select the desired setting.

- 4** Press **ENTER** to confirm your selection.  
Some items require additional steps.

- 5** Press **SETUP**, **RETURN**, or **PLAY** to exit the setup menu.

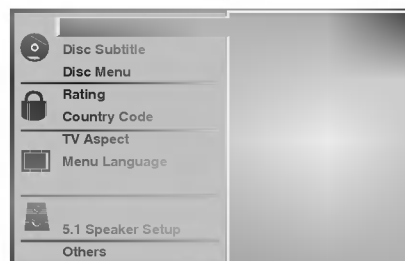
## Language

### Disc Language

Select a language for the disc's Menu, Audio, and Subtitle.

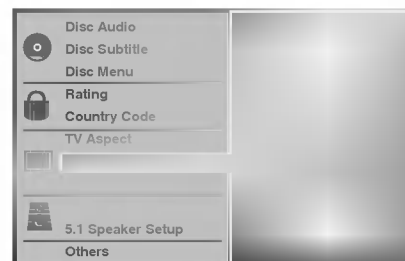
**Original** : The original language set for the disc is selected.

**Other** : To select another language, press number buttons to enter the corresponding 4-digit number according to the language code list on page 38. If you enter the wrong language code, press **CLEAR**.



### Menu Language

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



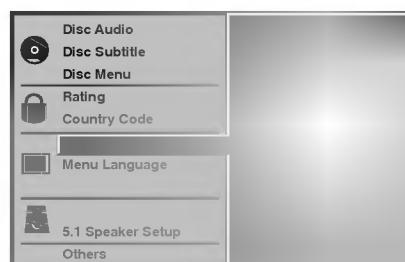
## Picture

### TV Aspect

**4:3 Letterbox**: Select when a standard 4:3 TV is connected. Displays theatrical images with masking bars above and below the picture.

**4:3 Panscan**: Select when a 4:3 TV set is connected. The video material formatted in the Pan & Scan style is played back in that style (Both sides of the picture are cut off).

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

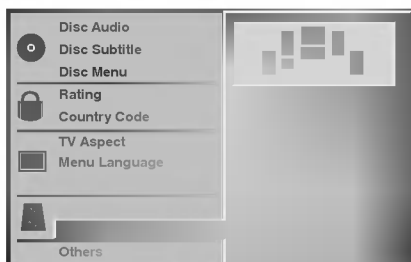




## Speaker setup

### 5.1 Speaker settings

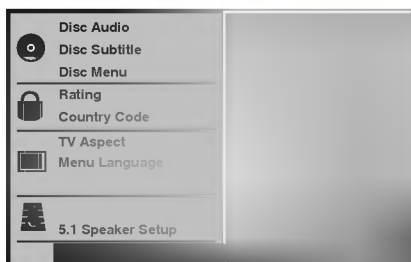
Select speaker settings, including volume balance and delay time, or test the speaker settings. Speaker settings are only active on the analogue Multi-Channel Output. (See “Speaker Settings”, page 34.)



### Others

The DRC, Vocal, PBC and Auto Play settings can be changed.

- Press ▲/▼ to select the desired item and press ENTER. 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). Then, you may listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

### 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.

### Vocal

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

### Auto Play

You can set up the System so a DVD disc automatically starts playing whenever the DVD is inserted.

If Auto Play mode is set to On, this System will search a title that playback time is longest and then play back the title automatically.

**On:** Auto Play function is activated.

**Off:** Auto Play function is not activated.

### Note

The Auto Play function may not work for some DVDs.

## Parental Control

### Rating

Movies on DVDs may contain scenes not suitable for children. Therefore, discs may contain Parental Control information that applies to the complete disc or to certain scenes on the disc. These scenes are rated from 1 to 8 or alternatively, more suitable scenes are available for selection on some discs. Ratings are country-dependent. The Parental Control feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.



**1** Select "Rating" on the Setup menu using the ▲▼ buttons.

**2** While "Rating" is selected, press ►.

**3** When you have not entered a password. Enter a 4-digit password using the number buttons to create a personal 4-digit security password. then press ENTER. Enter the 4-digit password again and press ENTER to verify.

**When you have already registered a password;** Enter a 4-digit password using the numbered buttons to confirm the personal 4-digit security password, then press ENTER.

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

**4** Select a rating from 1 to 8 using the ▲▼ buttons. One (1) has the least playback restrictions. Eight (8) has the most playback restrictions.

**Unlock:** If you select Unlock, Parental Control is not active. The disc will play in full.

**Ratings 1 to 8:** Some discs contain scenes not suitable for children. If you set a rating for the player, all disc scenes with the same rating or lower will be played. Higher rated scenes will not be played unless an alternative scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback will stop. You must enter the 4-digit password or change the rating level in order to play the disc.

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

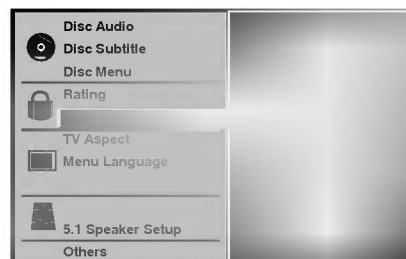
### Note

This function may not work for some DVDs.



### Country Code

Enter the code of a country/area whose standards were used to rate the DVD video disc, referring to the list (See "Country Code List", page 39).



**1** Select Country Code using the ▲▼ buttons on the setup menu.

**2** While Country Code is selected, press ►.

**3** Follow step 3 of "Rating" on left.

**4** Select the first character using the ▲▼ buttons.

**5** Shift the cursor using ► button and select the second character using ▲▼ buttons.

**6** Press ENTER to confirm your country code selection, then press SETUP to exit the menu.

### Note

Confirmation of the 4-digit password is necessary when the code is changed (see "Changing the 4-digit code" below.).

### Changing the 4-digit code

- 1 Follow Steps 1-2 as shown above to the left (Rating).
- 2 Enter the old code, then press ENTER.
- 3 Select Change using ▲▼ buttons then press ENTER.
- 4 Enter the new 4-digit code, then press ENTER.
- 5 Enter exactly the same code a second time and verify by pressing ENTER.
- 6 Press SETUP to exit the menu.

### If you forget your 4-digit code

If you forget your password, to clear the current password, follow the procedure below.

- 1 Press SETUP to display the setup menu.
- 2 Use the Number buttons to enter the 6-digit number "210499".  
The 4-digit password is cleared.
- 3 Enter a new code as shown above to the left (Rating).

## Playing a DVD and Video CD

### Playback Setup

- Turn on the TV and select the video input source connected to the System.
- Audio system: Turn on the audio system and select the input source connected to the System.


**1** Press OPEN/CLOSE to open the disc tray.


**2** Load your chosen disc in the tray, with the playback side facing down.

**3** Press OPEN/CLOSE to close the tray. READING appears on the TV screen, and playback starts automatically. If playback does not start, press PLAY. In some cases, the disc menu might appear instead.

### If a menu screen is displayed

The menu screen may be displayed first after loading a DVD or Video CD which offers a menu.

 Use the ◀ ▶▲▼ buttons to select the title/chapter you want to view, then press ENTER to start playback. Press TITLE or MENU to return to the menu screen.

- 
- Use the number buttons to select the track you want to view. Press RETURN to return to the menu screen.
  - Menu setting and the exact operating procedures for using the menu may differ depending on the disc. Follow the instructions on the each menu screen. You also may set PBC to Off under setup. See page 25.

### Notes

- If Parental Control is set and the disc is not within the Rating settings (not authorized), the 4-digit code must be entered and/or the disc must be authorized (see "Parental Control", on page 26).
- DVDs may have a region code. Your receiver will not play discs that have a region code different from your receiver. The region code for this receiver is 2 (two).

## General Features

### Note

- Unless stated otherwise, all operations described use the remote control. Some features may also be available on the Setup menu.

### Moving to another TITLE



When a disc has more than one title, you can move to another title as follows:

- Press DISPLAY, then press the appropriate number button (0-9) to select a title number or press ◀ ▶ to select a title, then press ENTER.

### Moving to another CHAPTER/TRACK



When a title on a disc has more than one chapter or a disc has more than one track, you can move to another chapter/track as follows:

- Press SKIP/SCAN ◀◀◀ or ▶▶▶ briefly during playback to return to the beginning of the current chapter/track or to select the next chapter/track.
- Press SKIP/SCAN ◀◀◀ twice briefly to step back to the previous chapter/track.
- To go directly to any chapter during DVD playback, press DISPLAY. Then, press ▲▼ to select the chapter/track icon. Then, enter the chapter/track number using the numbered buttons (0-9) or press ◀ ▶ to select the chapter/track, then press ENTER.

### Note

- For two-digit numbers, press the numbered buttons (0-9) in rapid succession.

### Search

- 1 Press and hold SKIP/SCAN ◀◀◀ or ▶▶▶ for about two seconds during playback. The receiver will now go into SEARCH mode.
- 2 Press and hold SKIP/SCAN ◀◀◀ or ▶▶▶ repeatedly to select the required speed: ◀◀◀X2, ◀◀◀X4, ◀◀◀X16, ◀◀◀X100 (backward) or ▶▶▶X2, ▶▶▶X4, ▶▶▶X16, ▶▶▶X100 (forward). With a Video CD, the Search speed changes: ◀◀◀X2, ◀◀◀X4, ◀◀◀X8, (backward) or ▶▶▶X2, ▶▶▶X4, ▶▶▶X8, (forward).
- 3 To return to normal play, press PLAY.

## General Features (continued)

### Still Picture and Frame-by-frame playback

- 1 Press PAUSE/STEP during playback. The System will now go into PAUSE mode.
- 2 You can advance the picture frame-by-frame by pressing PAUSE/STEP repeatedly on the remote control.
- 3 To return to normal play, press PLAY.

### Slow Motion

- 1 Press SLOW SCAN ◀◀ or ▶▶ during playback. The System will enter SLOW mode.
- 2 Use the SLOW SCAN ◀◀ or ▶▶ to select the required speed: ◀◀ 1/16, ◀◀ 1/8, ◀◀ 1/4 or ◀◀ 1/2 (backward), or ▶▶ 1/16, ▶▶ 1/8, ▶▶ 1/4 or ▶▶ 1/2 (forward).
- 3 To return to normal play, press PLAY.

#### Note

Slow motion playback in reverse is not applicable for Video CD.

### Repeat



#### DVD Video Discs - Repeat Chapter/Title/Off

- 1 To repeat the currently playing chapter, press REPEAT. The Repeat Chapter icon appears on the TV screen.
- 2 To repeat the title currently playing, press REPEAT a second time. The Repeat Title icon appears on the TV screen.
- 3 To exit Repeat mode, press REPEAT a third time. The Repeat Off icon appears on the TV screen.

#### Video CDs - Repeat Track/All/Off

- 1 To repeat the track currently playing, press REPEAT. The Repeat Track icon appears on the TV screen.
- 2 To repeat the disc currently playing, press REPEAT a second time. The Repeat All icon appears on the TV screen.
- 3 To exit Repeat mode, press REPEAT a third time. The Repeat Off icon appears on the TV screen.

#### Note

On a Video CD with PBC, you must set PBC to Off on the setup menu to use the Repeat function. See page 25.

### Repeat A-B



To repeat a sequence in a title:

- 1 Press REPEAT A-B at your chosen starting point. "A \* " appears briefly on the TV screen.
- 2 Press REPEAT A-B again at your chosen end point. "A B" appears briefly on the TV screen, and the repeat sequence begins ("A B" appears the display window).
- 3 To cancel the sequence, press REPEAT A-B.

### Time Search



The Time Search function allows you to start playing at any chosen time on the disc.

- 1 Press DISPLAY during playback. The on-screen display appears on the screen. The Time Search box shows the elapsed playing time of the current disc.
- 2 Within 10 seconds, press ▲/▼ to select the Time Search icon in the on-screen display. The ":-:--:" appears in the Time Search box.
- 3 Within 10 seconds, use the number buttons to enter the required start time. Enter hours, minutes, and seconds from left to right in the box. If you enter the wrong numbers, press CLEAR to remove the numbers you entered. Then enter the correct numbers.
- 4 Within 10 seconds, press ENTER or press PLAY to confirm the start time. Playback starts from the selected time on the disc. If you enter an invalid time, playback will continue from the current point.

### 3D Surround



This unit can produce a 3D Surround effect, which simulates multi-channel audio playback from two conventional stereo speakers, instead of the five or more speakers normally required to listen to multi-channel audio from a home theater system.

- 1 Press SOUND to select "3D SUR" during playback.
- 2 To turn off the 3D Surround effect, press SOUND again to select "BYPASS".

## General Features (continued)

### Zoom

The Zoom function allows you to enlarge the video image and to move through the enlarged image.

- 1 Press ZOOM during playback or still playback to activate the Zoom function.  
If you press ZOOM repeatedly, the magnification level increases up to six steps.
- 2 Use the ◀▶▲▼ buttons to move through the zoomed picture.
- 3 Press CLEAR to resume normal playback or return to the paused image.

#### Note

- The Zoom function may not work for some DVDs.

### Marker Search



You can start playback from a memorized point. Up to nine points can be memorized.

To enter a mark, follow these steps.

- 1 During disc playback, press MARKER when playback reaches the spot that you want to memorize.  
The Marker icon will appear on the TV screen briefly.
- 2 Repeat step 1 to enter up to nine Marker points on a disc.

#### To Recall a Marked Scene

- 1 During disc playback, press SEARCH.  
The MARKER SEARCH menu will appear on the screen.
- 2 Within 10 seconds, press ◀▶ or use the number buttons to select a Marker number that you want to recall.
- 3 Press ENTER.  
Playback will start from the Marked scene.
- 4 To remove the MARKER SEARCH menu, press SEARCH.

#### To clear a Marked Scene

- 1 During disc playback, press SEARCH.  
The MARKER SEARCH menu will appear on the screen.
- 2 Press ◀▶ to select the Marker number that you want to erase.
- 3 Press CLEAR.  
The Marker number will be erased from the list.
- 4 Repeat steps 2 and 3 to erase additional Marker numbers.
- 5 To remove the MARKER SEARCH menu, press SEARCH.

## Special DVD Features

### Checking the contents of DVD Video discs: Menus

DVDs may offer menus that allow you to access special features. To use the disc menu, press MENU. Then, press the appropriate number button to select an option. Or, use the ◀▶▲▼ buttons to highlight your selection, then press ENTER.

#### Title Menu

- 1 Press TITLE.  
If the current title has a menu, the menu will appear on the screen. Otherwise, the disc menu may appear.
- 2 The menu can list camera angles, spoken language and subtitle options, and chapters for the title.
- 3 To remove the title menu, press TITLE again.

#### Disc Menu

- 1 Press MENU.  
The disc menu is displayed.
- 2 To remove the disc menu, press MENU again.

#### Camera Angle



If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback.

- 1 Press DISPLAY.  
The number of the current angle appears on the TV screen.
- 2 Press ▲▼ buttons to select Angle.
- 3 Press ◀▶ to select a desired angle.

#### Changing the Audio Language



Press AUDIO repeatedly during playback to hear a different audio language or audio track.

#### Changing the Audio Channel

Press AUDIO repeatedly during playback to hear a different audio channel (STER., LEFT or RIGHT).

#### Subtitles



Press SUBTITLE repeatedly during playback to see the different subtitle languages.

#### Note

If Ⓞ appears, the feature is not available on the disc.

## Playing Audio CD and MP3/WMA Disc



The System can play MP3/WMA formatted recordings on CD-ROM, CD-R or CD-RW discs.

Before playing MP3/WMA recordings, read the notes on MP3/WMA Recordings on right.

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

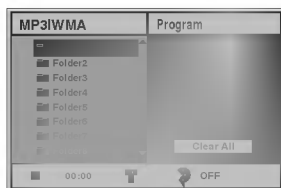
**Audio CD;** Audio CD menu appears on the TV screen go to step 4.

**MP3/WMA disc;** The MP3/WMA-JPEG choice menu appears on the TV screen. Go to step 2



### 2 Press ▲▼ to select the MP3/WMA then press ENTER.

The MP3/WMA menu appears on the TV screen. Press RETURN to move to the MP3/WMA-JPEG



choice menu.

### 3 Press ▲▼ to select a folder, and ENTER.

A list of files in the folder appears.

### 4 Press ▲▼ to select a track then press PLAY or ENTER.

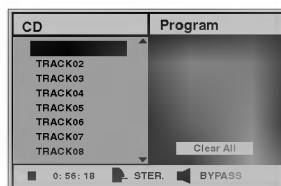
Playback starts.

During playback, the current track's elapsed playing time will appear on the display window and menu.

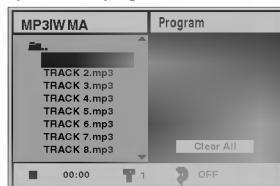
Playback will stop at the end of the disc.

Press TITLE to move to the next page.

Press MENU to move to the previous page.



Audio CD menu



MP3/WMA menu



If you are in a file list and want to return to the Folder list, use the ▲▼ to highlight ■ and press ENTER to return to the previous menu screen.

### 5 To stop playback at any other time, press STOP.



## Notes on MP3/WMA Recordings

### About MP3

- An MP3 file is audio data compressed by using the MPEG1 audio layer-3 file-coding scheme. We call files that have the ".mp3" file extension "MP3 files".
- The player can not read an MP3 file that has a file extension other than ".mp3".

### About WMA(Window Media Audio)

- An WMA file is a Microsoft audio compression technology.
- WMA(Windows Media Audio) offers double the audio compression of the MP3 format.

### MP3/WMA Disc compatibility with this System is limited as follows:

1. Sampling Frequency / only at 44.1kHz (MP3), 32 - 44.1kHz (WMA)
2. Bit rate / within 32 - 320kbps (MP3), 32 - 128kbps (WMA)
3. CD-R physical format should be "ISO 9660"
4. If you record MP3/WMA files using the software which cannot create a FILE SYSTEM, for example "Direct-CD" etc., it is impossible to playback MP3/WMA files. We recommend that you use "Easy-CD Creator", which creates an ISO9660 file system.
5. A single session disc requires MP3/WMA files in the first track. If there is no MP3/WMA file in the 1st track, it cannot playback MP3/WMA files. If you wish to playback MP3/WMA files, format all the data in the disc or use a new one.
6. File names should be named using 8 letters or less and must incorporate ".mp3" or ".wma" extension e.g. "\*\*\*\*\*.MP3" or "\*\*\*\*\*.WMA".
7. Do not use special letters such as "/ : \* ? < >" etc.
8. Total number of files on the disc should be less than 650.




This System requires discs/recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 or WMA files). That require certain pre-existing conditions (see above) to insure compatible playback.

**Customers should also note that permission is required in order to download MP3/WMA files and music from the Internet. LG Electronics has no right to grant such permission. Permission should always be sought from the copyright owner.**

## Pause

- 1 Press PAUSE/STEP during playback.
- 2 To return to playback, press PLAY or press PAUSE/STEP again.











## Moving to another Track

- Press SKIP/SCAN  or  briefly during playback to go to the next track or to return to the beginning of the current track.
- Press SKIP/SCAN  twice briefly to step back to the previous track.
- In case of audio CD, to go directly to any track, enter the track number using the numbered buttons (0-9) during playback.

## Repeat Track/All/Off

- 1 To repeat the track currently playing, press REPEAT. The Repeat icon and "TRACK" appears on the menu screen.
- 2 To repeat all tracks on a disc, press REPEAT a second time. The Repeat icon and "ALL" appears on the menu screen.
- 3 To cancel Repeat mode, press REPEAT a third time. The Repeat icon and "OFF" appears on the menu screen.

## Search

- 1 Press and hold SKIP/SCAN  or  for about two seconds during playback. The player will now go into SEARCH mode.
- 2 Press and hold SKIP/SCAN  or  repeatedly to select the required speed: X2, X4, X8 (backward) or X2, X4, X8 (forward). Search speed and direction are indicated on the menu screen.
- 3 To exit SEARCH mode, press PLAY.

## Repeat A-B

To repeat a sequence.

- 1 During disc playback, press REPEAT A-B at your chosen start point. The Repeat icon and "A \* " appears on the menu screen.
- 2 Press REPEAT A-B again at your chosen end point. The Repeat icon and "A B" appears on the menu screen, and the sequence begins to play repeatedly.
- 3 To exit the sequence and return to normal play, press REPEAT A-B again. The Repeat icon and "OFF" appears on the menu screen.

## 3D Surround

This unit can produce a 3D Surround effect, which simulates multi-channel audio playback from two conventional stereo speakers, instead of the five or more speakers normally required to listen to multi-channel audio from a home theatre system.

- 1 Press SOUND to select "3D SUR" during playback.
- 2 To turn off the 3D Surround effect, press SOUND again to select "BYPASS".

## Changing the Audio Channel

Press AUDIO repeatedly during playback to hear a different audio channel (STER., LEFT, or RIGHT).

## Viewing JPEG File

This System can play discs with JPEG files and Kodak picture CD. Before playing JPEG recordings, read the notes on JPEG Recordings on right.

- 1 Insert a disc and close the tray.**  
The MP3/WMA-JPEG choice menu appears on the TV screen.



- 2 Press ▲▼ to select the JPEG then press ENTER.**  
The JPEG menu appears on the TV screen.



- 3 Press ▲▼ to select a folder, and ENTER.**  
A list of files in the folder appears.  
Press RETURN to move to the MP3/WMA-JPEG choice menu.

### Tip

If you are in a file list and want to return to the Folder list, use the ▲▼ buttons on the remote to highlight “■..” and press ENTER to return to the previous menu screen.

- 4 If you want to view a particular file, press ▲▼ to highlight a file and press ENTER or PLAY.**  
During viewing a file, press RETURN to move to the previous menu (JPEG menu).  
Press TITLE to move to the next page.  
Press MENU to move to the previous page.



### Tip

There are three viewing Slide Speed options: Fast, Normal, Slow, and Off. Press ◀▶ to highlight the Slide Speed then press ▲▼ to select the option you want to use, and press ENTER.

- 5 To stop viewing at any other time, press STOP.**  
The JPEG menu appears.



## Moving to another File

Press SKIP/SCAN ◀◀ or ▶▶ once during viewing a picture to advance to the next file or to the previous file.

## Still Picture

- Press PAUSE/STEP during slide show.  
The System will now go into PAUSE mode.
- To return to the slide show, press PLAY or press PAUSE/STEP again.

## To flip the picture

Press ▲▼ during showing a picture to flip the picture horizontally or a vertically.

## To rotate picture

Press ◀▶ during showing a picture to rotate the picture clockwise or counter clockwise.

## Notes on JPEG Recordings

- Depending upon the size and number of the JPEG files, it could take a long time for the System to read the disc's contents. If you don't see an on-screen display after several minutes, some of the files are too big — reduce the resolution of the JPEG files to less than 2 mega pixels and burn another disc.
- Total number of files and folders on the disc should be less than 650.
- Some disc may be incompatible due to different recording format or condition of disc.
- When you are using software such as “Easy CD Creator” to burn the jpeg files into the CD-R, ensure that all the selected files have the “.jpg” extensions when copying into the CD layout.
- If the files have “.jpe” or “.jpeg” extensions, please rename them as “.jpg” files.
- File names without “.jpg” extension will not be able to be read by this System, even though the files are shown as JPEG image files in windows explorer.




## Programmed Playback with Audio CD and MP3/WMA Disc


The Program function enables you to store your favorite tracks from any disc in the player memory.

Program can contain 30 tracks.

### 1 Press PROGRAM during playback or in the stop mode to enter the Program Edit mode.

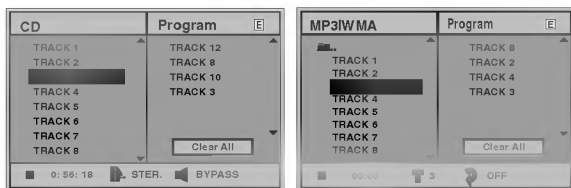
The  mark will appear to the right of the word Program on the right side of the menu screen.

### Note

Press PROGRAM to exit the Program Edit mode; the  mark will disappear.

### 2 Select a track, then press ENTER to place the selected track in the Program list.

### 3 Repeat step 2 to place additional tracks on the Program list.



Audio CD menu

MP3/WMA menu

### 4 Press ►.

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

### 5 Press ▲▼ to select the track you want to start playing.

Press TITLE to move to the next page.  
Press MENU to move to the previous page.

### 6 Press PLAY to start.

Playback begins in the order in which you programmed the tracks and "PROG." appears on the menu screen. Playback stops after all of the tracks on the Program list have played once.

### 7 To resume normal playback from programmed playback, select a track of CD (or MP3/WMA) list and then press ENTER.

"PROG." indicator disappears on the menu screen.

## Programmed Playback with Video CD

### Note

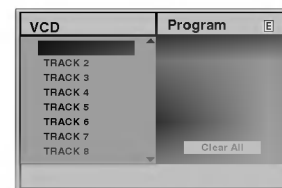
On a Video CD with PBC, you must set PBC to Off on the setup menu to use the Program function. See page 23.

Program can contain up to 30 tracks.

### 1 Insert Video CD and close the tray.

### 2 Press PROGRAM while playback is stopped.

The VCD Program menu will appear.



### Note

Press RETURN or PROGRAM to exit the Program menu.

### 3 Follow steps 2-6 of "Programmed Playback with Audio CD and MP3/WMA disc" on left.

### 4 To resume normal playback from programmed playback, press PROGRAM.


"PROG." indicator disappears in the display window.

## Repeat Programmed Tracks

- To repeat the track currently playing, press REPEAT. The Repeat icon and "TRACK" appears on the menu screen.
- To repeat all tracks on the program list, press REPEAT a second time. The Repeat icon and "ALL" appears on the menu screen.
- To cancel Repeat mode, press REPEAT a third time. The Repeat icon and "OFF" appears on the menu screen.

## Erasing a Track from Program List

### 1 Press PROGRAM during playback (Audio CD and MP3/WMA disc only) or in the stop mode to enter the Program Edit mode.

The  mark will appear.

### 2 Press ► to move to the Program list.

### 3 Use ▲▼ to select the track that you wish to erase from the Program list.

### 4 Press CLEAR.

The track will be erased from the Program list.

## Erasing the Complete Program List

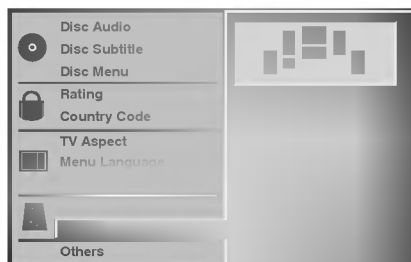
### 1 Follow steps 1-2 of "Erasing a Track from Program List" as above.

### 2 Use ▲▼ to select "Clear All", then press ENTER.

The complete Program for the disc will be erased.

The programs are also cleared when the disc is removed.

Adjust the following settings for the built-in 5.1 channel surround decoder.



- 1** Select “5.1 Speaker Setup” using the ▲▼ buttons on the setup menu.
- 2** While “5.1 Speaker Setup” is selected, press ► button.
- 3** Press ► buttons to select the desired speaker.
- 4** Adjust options by using ▲▼◀▶ buttons.

### 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))

#### **N**ote

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

### Volume

Press ◀/▶ to adjust the output level of the selected speaker. (-6dB ~ +6dB)

### Size

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

### Distance

This allows the sound from each speaker to reach the listener at the same time. (1 ft = 30.48 cm)

#### **N**ote

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.

## Last Condition Memory

This System memorizes the user settings for the last disc that you have viewed. Settings remain in memory even if you remove the disc from the player or switch off the player. If you load a disc that has its settings memorized, the last stop position is automatically recalled.

#### **N**otes

- Settings are stored in memory for use any time.
- This System does not memorize settings of a disc if you switch off the System before commencing to play it.

## System Select

You must select the appropriate system mode for your TV system. If NO DISC appears in the display window, press and hold PAUSE on the front panel or remote control for more than 5 seconds to be able to select a system (PAL, NTSC, or AUTO).

- When the selected system does not coincide with the system of your TV, normal colour picture may not be displayed.

**AUTO:** Select when System is connected with Multi system TV.

**NTSC:** Select when System is connected with NTSC-TV.

**PAL:** Select when System is connected with PAL-TV.

## Presetting the radio stations

You can preset 50 stations for FM and AM (MW). Before tuning, make sure that you have turned down the volume.

**1** Press **BAND** on the remote control until **FM** or **AM (MW)** appears in the display window.

**2** Every time you press **BAND**, **FM** and **AM (MW)** alternate.

**3** Press and hold **TUNING** **◀◀◀** or **▶▶▶** on the front panel for about two seconds until the frequency indication starts to change, then release.

Scanning stops when the DVD/CD Receiver tunes in a station. "TUNED" and "STEREO" (for stereo programmes) appear in the display window.

### Note

"TUNED" only appears when the signal is FM and STEREO.

**4** Press **MEMORY** on the front panel.  
A preset number will flash in the display window.

**5** Press **TUNING** **◀◀◀** or **▶▶▶** on the front panel to select the preset number you want.

**6** Press **MEMORY** on the front panel again.  
The station is stored.

**7** Repeat steps 3 to 6 to store other stations.

### To tune in a station with a weak signal

Press **TUNING** **◀◀◀** or **▶▶▶** repeatedly in step 3 to tune in the station manually.

### To clear all the stored stations

Press and hold **MEMORY** for about two seconds and "CLEAR ALL" is appeared in the display window and then press **MEMORY** again, the stations are cleared.

- If you have accidentally entered into the "CLEAR ALL" mode and you do not wish to clear the memory, do not press any key. After a few seconds, the "CLEAR ALL" display will go off and change to normal mode.

### Note

If all stations have already been entered, the **FULL** message will appear in the display window for a moment and then a preset number will flash.

To change the preset number, follow the steps 5-6 as above.

## Listening to the radio

Preset radio stations in the System's memory (see "Presetting radio stations" on the left).

**1** Press **BAND** until **AM (MW)** or **FM** appears in the display window.

The last received station is tuned in.

**2** Press **PRESET +/-** repeatedly to select the preset station you want.

**3** Adjust the volume by rotating **VOLUME** on the front panel or by pressing **VOLUME +** or **-** on the remote control repeatedly.

### To turn off the radio

Press **POWER** to turn the System off or select another function mode (**CD/DVD**, **AV1**, **AV1 OPT**, **AV2** or **TV-AUDIO**).

### To listen to non-preset radio stations

- Use manual or automatic tuning in step 2.
- For manual tuning, press **TUNING** **◀◀◀** or **▶▶▶** on the front panel repeatedly.
- For automatic tuning, press and hold **TUNING** **◀◀◀** or **▶▶▶** for about two seconds on the front panel.

### To select a preset radio station directly

You can use the number buttons on the remote control to select a preset radio station directly.

For example, to listen to preset station 4, press 4 on the remote control. To listen to preset station 19, press 1 then 9 (within 3 seconds).

### For your reference

#### • If an FM program is noisy

Press **MONO/ST.** on the front panel so that "STEREO" disappears in the display window. There will be no stereo effect, but the reception will improve. Press the button again to restore the stereo effect.

#### • To improve reception

Reorient the supplied antennas or use an external antenna.

## RDS Operation

This unit is equipped with RDS (Radio Data System), which brings a wide range of information to FM radio. Now in use in many countries, RDS is a system for transmitting station call signs or network information, a description of station programme type text message about the station or specifics of musical selection and the correct time.

### RDS Tuning

When a FM station is tuned in and it contains RDS data, the unit will automatically display the station's call sign and the RDS indicator will light in the Display Window as well as indicators for the RDS services programme (PS), programme type recognition (PTY), Radiotext (RT) and Clock Time (CT) if transmitted by the station.

### RDS Display Options

The RDS system is capable of transmitting a wide variety of information in addition to the initial call sign that appears when a station is first tuned. In normal RDS operation the display will indicate the station name, broadcast network or call letters. Pressing **RDS** on the remote control enables you to cycle through the various data types in the sequence:

**(PS ↔ FREQUENCY ↔ PTY ↔ RT ↔ CT)**

- **PS (Programme Service name)**- The name of the channel is shown in the Display Window.
- **PTY (Programme type recognition)**- The name of the programme type is shown in the Display Window.
- **RT (Radiotext)**- A "text" message contains special information from the broadcast station. Note that this message may scroll across the display to permit message.
- **CT (Time controlled by the channel)**- Enables the unit to receive the actual time and show it in the Display Window.

### Note

- Some RDS stations may not choose to include some of these additional features. If the data required for the selected mode is not being transmitted, the Display Window will show a **PTY NONE, RT NONE, CT NONE, PS NONE** message.

## Programme Search (PTY)

A major benefit of RDS is its ability to encode broadcasts with Programme Type (PTY) codes that indicate the type of material being broadcast. The following list shows the abbreviations used to indicate each PTY along with an explanation of the PTY.

NEWS	News
AFFAIRS	Current Affairs
INFO	Information
SPORT	Sports
EDUCATE	Educational
DRAMA	Drama
CULTURE	Culture
SCIENCE	Science
VARIED	Varied Speech Programme
POP M	Popular Music
ROCK M	Rock Music
EASY M	Easy Listening Music
LIGHT M	Light Music
CLASSICS	Classical Music
OTHER M	Other Music
WEATHER	Weather Information
FINANCE	Financial Programmes
CHILDREN	Children's Programmes
SOCIAL	Social Affairs Programmes
RELIGION	Religious Broadcasts
PHONE IN	Phone-In Programmes
TRAVEL	Travel and Touring
LEISURE	Leisure and Hobby
JAZZ	Jazz Music
COUNTRY	Country Music
NATION M	National Music
OLDIES	Oldies Music
FOLK M	Folk Music
DOCUMENT	Documentary Programmes
TEST	Station Alarm Test Message
ALARM 1	Emergency Broadcast Information

You may search for a specific Programme Type (PTY) by following these steps:

- 1** Press **BAND** to select FM mode.
- 2** Press **PTY** on the remote control, the display will show the last PTY in use.
- 3** Press **PTY** repeatedly to select a desired PTY.
- 4** When the PTY is selected, press **PTY SEARCH**. The unit will go into an automatic search mode. When a station is tuned, the search will stop.



## Sleep Timer Setting

You can set the System to turn off automatically at a specified time.

**1 Press SLEEP to set the desired sleep time.**  
The SLEEP indicator and sleep time appears in the display window.

**2 Each time you press SLEEP the setting changes in the following order.**  
SLEEP 180 → 150 → 120 → 90 → 80 → 70 → 60 → 50 → 40 → 30 → 20 → 10 → OFF

### **N**ote

- **You can check the time remaining before the System turns off.**  
Press SLEEP. The remaining time appears in the display window.

## Dimmer

This function will change the brightness of the display window on the front panel during in power-on status.

**Press the DIMMER repeatedly.**

## Mute

**Press MUTE to mute your unit.**

You can mute your unit in order, for example, to answer the telephone, "MUTE" indicator flashes in the display window.

## Using Headphone Jack

Connect a stereo headphone plug (ø3.5mm) into the **PHONES connector**.

The speakers are automatically disconnected when you plug in headphones (not supplied).

## Selecting input source

You can use VCRs or other units connected to the AV1, AV2 connectors, EURO SCART or Optical connector. Refer to the owner's manual supplied with the unit for further information on the operation.

**Press AV repeatedly on the remote control to select the desired input source.**

Each time you press this button, the mode of the function changes in the following sequence:

- **AV1:** for selecting the analogue signal from AV1 AUDIO IN (L/R) & VIDEO IN Connectors.
- **AV1 OPT:** for selecting the digital signal from AV1 OPTICAL IN Connector.
- **AV2:** for selecting the analogue signal from AV2 AUDIO IN (L/R) & VIDEO IN Connectors.
- **TV-AUDIO:** for selecting the TV audio signal from SCART.

### **N**otes

- The Optical input function is available only when the other unit's Sampling Frequency is 32 ~ 96kHz.
- You can also select the input source by pressing PLAY/FUNC. on the front panel.  
Press and hold down this button about 3 seconds, then press repeatedly to select input source.

Enter the appropriate code number for the initial settings “Disc Audio”, “Disc Subtitle” and/or “Disc Menu” (See page 24).

<b>Code</b>	<b>Language</b>	<b>Code</b>	<b>Language</b>	<b>Code</b>	<b>Language</b>	<b>Code</b>	<b>Language</b>
6566	Abkhazian	7074	Fiji	7678	Lingala	8373	Singhalese
6565	Afar	7073	Finnish	7684	Lithuanian	8375	Slovak
6570	Afrikaans	7082	French	7775	Macedonian	8376	Slovenian
8381	Albanian	7089	Frisian	7771	Malagasy	8379	Somali
6577	Ameharic	7176	Galician	7783	Malay	6983	Spanish
6582	Arabic	7565	Georgian	7776	Malayalam	8385	Sudanese
7289	Armenian	6869	German	7784	Maltese	8387	Swahili
6583	Assamese	6976	Greek	7773	Maori	8386	Swedish
6588	Aymara	7576	Greenlandic	7782	Marathi	8476	Tagalog
6590	Azerbaijani	7178	Guarani	7779	Moldavian	8471	Tajik
6665	Bashkir	7185	Gujarati	7778	Mongolian	8465	Tamil
6985	Basque	7265	Hausa	7865	Nauru	8484	Tatar
6678	Bengali; Bangla	7387	Hebrew	7869	Nepali	8469	Telugu
6890	Bhutani	7273	Hindi	7879	Norwegian	8472	Thai
6672	Bihari	7285	Hungarian	7982	Oriya	6679	Tibetan
6682	Breton	7383	Icelandic	8065	Panjabi	8473	Tigrinya
6671	Bulgarian	7378	Indonesian	8083	Pashto, Pushto	8479	Tonga
7789	Burmese	7365	Interlingua	7065	Persian	8482	Turkish
6669	Byelorussian	7165	Irish	8076	Polish	8475	Turkmen
7577	Cambodian	7384	Italian	8084	Portuguese	8487	Twi
6765	Catalan	7465	Japanese	8185	Quechua	8575	Ukrainian
9072	Chinese	7487	Javanese	8277	Rhaeto-Romance	8582	Urdu
6779	Corsican	7578	Kannada	8279	Rumanian	8590	Uzbek
7282	Croatian	7583	Kashmiri	8285	Russian	8673	Vietnamese
6783	Czech	7575	Kazakh	8377	Samoan	8679	Volapük
6865	Danish	7589	Kirghiz	8365	Sanskrit	6789	Welsh
7876	Dutch	7579	Korean	7168	Scots Gaelic	8779	Wolof
6978	English	7585	Kurdish	8382	Serbian	8872	Xhosa
6979	Esperanto	7679	Laothian	8372	Serbo-Croatian	7473	Yiddish
6984	Estonian	7665	Latin	8378	Shona	8979	Yoruba
7079	Faroese	7686	Latvian, Lettish	8368	Sindhi	9085	Zulu

Enter the appropriate code number for the initial setting "Country Code" (See page 26).

Code	Country	Code	Country	Code	Country	Code	Country
AD	Andorra	ER	Eritrea	LC	Saint Lucia	SC	Seychelles
AE	United Arab Emirates	ES	Spain	LI	Liechtenstein	SD	Sudan
AF	Afghanistan	ET	Ethiopia	LK	Sri Lanka	SE	Sweden
AG	Antigua and Barbuda	FI	Finland	LR	Liberia	SG	Singapore
AI	Anguilla	FJ	Fiji	LS	Lesotho	SH	Saint Helena
AL	Albania	FK	Falkland Islands	LT	Lithuania	SI	Slovenia
AM	Armenia	FM	Micronesia	LU	Luxembourg	SJ	Svalbard and Jan Mayen Islands
AN	Netherlands Antilles	FO	Faroe Islands	LV	Latvia	SK	Slovak Republic
AO	Angola	FR	France	LY	Libya	SL	Sierra Leone
AQ	Antarctica	FX	France (European Territory)	MA	Morocco	SM	San Marino
AR	Argentina	GA	Gabon	MC	Monaco	SN	Senegal
AS	American Samoa	GB	Great Britain	MD	Moldavia	SO	Somalia
AT	Austria	GD	Grenada	MG	Madagascar	SR	Suriname
AU	Australia	GE	Georgia	MH	Marshall Islands	ST	Saint Tome and Principe
AW	Aruba	GF	French Guyana	MK	Macedonia	SU	Former USSR
AZ	Azerbaijan	GH	Ghana	ML	Mali	SV	El Salvador
BA	Bosnia-Herzegovina	GI	Gibraltar	MM	Myanmar	SY	Syria
BB	Barbados	GL	Greenland	MN	Mongolia	SZ	Swaziland
BD	Bangladesh	GM	Gambia	MO	Macau	TC	Turks and Caicos Islands
BE	Belgium	GN	Guinea	MP	Northern Mariana Islands	TD	Chad
BF	Burkina Faso	GP	Guadeloupe (French)	MQ	Martinique (French)	TF	French Southern Territories
BG	Bulgaria	GQ	Equatorial Guinea	MR	Mauritania	TG	Togo
BH	Bahrain	GR	Greece	MS	Montserrat	TH	Thailand
BI	Burundi	GS	S. Georgia & S. Sandwich Isls.	MT	Malta	TJ	Tadjikistan
BJ	Benin	GT	Guatemala	MU	Mauritius	TK	Tokelau
BM	Bermuda	GU	Guam (USA)	MV	Maldives	TM	Turkmenistan
BN	Brunei Darussalam	GW	Guinea Bissau	MX	Mexico	TN	Tunisia
BO	Bolivia	GY	Guyana	MY	Malaysia	TO	Tonga
BR	Brazil	HK	Hong Kong	MZ	Mozambique	TP	East Timor
BS	Bahamas	HM	Heard and McDonald Islands	NA	Namibia	TR	Turkey
BT	Bhutan	HN	Honduras	NC	New Caledonia (French)	TT	Trinidad and Tobago
BV	Bouvet Island	HR	Croatia	NE	Niger	TV	Tuvalu
BW	Botswana	HT	Haiti	NF	Norfolk Island	TW	Taiwan
BY	Belarus	HU	Hungary	NG	Nigeria	TZ	Tanzania
BZ	Belize	ID	Indonesia	NI	Nicaragua	UA	Ukraine
CA	Canada	IE	Ireland	NL	Netherlands	UG	Uganda
CC	Cocos (Keeling) Islands	IL	Israel	NO	Norway	UK	United Kingdom
CF	Central African Republic	IN	India	NP	Nepal	UM	USA Minor Outlying Islands
CG	Congo	IO	British Indian Ocean Territory	NR	Nauru	US	United States
CH	Switzerland	IQ	Iraq	NU	Niue	UY	Uruguay
CI	Ivory Coast	IR	Iran	NZ	New Zealand	UZ	Uzbekistan
CK	Cook Islands	IS	Iceland	OM	Oman	VA	Vatican City State
CL	Chile	IT	Italy	PA	Panama	VC	Saint Vincent & Grenadines
CM	Cameroon	JM	Jamaica	PE	Peru	VE	Venezuela
CN	China	JO	Jordan	PF	Polynesia (French)	VG	Virgin Islands (British)
CO	Colombia	JP	Japan	PG	Papua New Guinea	VI	Virgin Islands (USA)
CR	Costa Rica	KE	Kenya	PH	Philippines	VN	Vietnam
CS	Former Czechoslovakia	KG	Kyrgyzstan	PK	Pakistan	VU	Vanuatu
CU	Cuba	KH	Cambodia	PL	Poland	WF	Wallis and Futuna Islands
CV	Cape Verde	KI	Kiribati	PM	Saint Pierre and Miquelon	WS	Samoa
CX	Christmas Island	KM	Comoros	PN	Pitcairn Island	YE	Yemen
CY	Cyprus	KN	Saint Kitts & Nevis Anguilla	PR	Puerto Rico	YT	Mayotte
CZ	Czech Republic	KP	North Korea	PT	Portugal	YU	Yugoslavia
DE	Germany	KR	South Korea	PW	Palau	ZA	South Africa
DJ	Djibouti	KW	Kuwait	PY	Paraguay	ZM	Zambia
DK	Denmark	KY	Cayman Islands	QA	Qatar	ZR	Zaire
DM	Dominica	KZ	Kazakhstan	RE	Reunion (French)	ZW	Zimbabwe
DO	Dominican Republic	LA	Laos	RO	Romania		
DZ	Algeria	LB	Lebanon	RU	Russian Federation		
EC	Ecuador			RW	Rwanda		
EE	Estonia			SA	Saudi Arabia		
EG	Egypt			SB	Solomon Islands		
EH	Western Sahara						

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
No power.	<ul style="list-style-type: none"> <li>The power cord is disconnected.</li> </ul>	<ul style="list-style-type: none"> <li>Plug the power cord securely into the wall outlet.</li> </ul>
The power is on, but the System does not work.	<ul style="list-style-type: none"> <li>No disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a disc. (Check that the DVD or, audio CD indicator in the DVD display is lit.)</li> </ul>
No picture.	<ul style="list-style-type: none"> <li>The TV is not set to receive DVD signal output.</li> </ul>	<ul style="list-style-type: none"> <li>Select the appropriate video input mode on the TV so the picture from the DVD/ CD receiver appears on the TV screen.</li> </ul>
	<ul style="list-style-type: none"> <li>The video cable is not connected securely.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the video cable into the jacks securely.</li> </ul>
	<ul style="list-style-type: none"> <li>The connected TV power is turned off.</li> </ul>	<ul style="list-style-type: none"> <li>Turn on the TV.</li> </ul>
There is no sound or only a very low-level sound is heard.	<ul style="list-style-type: none"> <li>The equipment connected with the audio cable is not set to receive DVD signal output.</li> </ul>	<ul style="list-style-type: none"> <li>Select the correct input mode of the audio receiver so you can hear the sound from the System.</li> </ul>
	<ul style="list-style-type: none"> <li>The audio cables are not connected securely.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the audio cable into the jacks securely.</li> </ul>
	<ul style="list-style-type: none"> <li>The power of the equipment connected with the audio cable is turned off.</li> </ul>	<ul style="list-style-type: none"> <li>Turn on the equipment connected with the audio cable.</li> </ul>
	<ul style="list-style-type: none"> <li>The audio connecting cable is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>Replace it with new one.</li> </ul>
The playback picture is poor.	<ul style="list-style-type: none"> <li>The disc is dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>
The System does not start playback.	<ul style="list-style-type: none"> <li>No disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a disc. (Check that the DVD, or audio CD indicator in the DVD display is lit.)</li> </ul>
	<ul style="list-style-type: none"> <li>An unplayable disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a playable disc. (Check the disc type, colour system and Regional code.)</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is placed upside down.</li> </ul>	<ul style="list-style-type: none"> <li>Place the disc with the playback side down.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is not placed within the guide.</li> </ul>	<ul style="list-style-type: none"> <li>Place the disc on the disc tray correctly inside the guide.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>
	<ul style="list-style-type: none"> <li>A menu is on the TV screen.</li> </ul>	<ul style="list-style-type: none"> <li>Press the SETUP button to turn off the menu screen.</li> </ul>
	<ul style="list-style-type: none"> <li>The Rating level is set.</li> </ul>	<ul style="list-style-type: none"> <li>Cancel the Rating function or change the rating level.</li> </ul>
Loud hum or noise is heard.	<ul style="list-style-type: none"> <li>The plugs and jacks are dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Wipe them with a cloth slightly moistened with alcohol.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>
	<ul style="list-style-type: none"> <li>The speakers and components are connected poorly.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the speakers and components securely.</li> </ul>
	<ul style="list-style-type: none"> <li>The System is located too close to the TV.</li> </ul>	<ul style="list-style-type: none"> <li>Move your TV away from the audio components.</li> </ul>



Symptom	Cause	Correction
Radio stations cannot be tuned in.	• The antenna is positioned or connected poorly.	<ul style="list-style-type: none"> <li>• Connect the antenna securely.</li> <li>• Adjust the antennas and connect an external antenna if necessary.</li> </ul>
	• The signal strength of the stations is too weak (when tuning in with automatic tuning).	<ul style="list-style-type: none"> <li>• Tune in the station manually.</li> </ul>
	• No stations have been preset or preset stations have been cleared (when tuning by scanning preset stations).	<ul style="list-style-type: none"> <li>• Preset the stations (page 35).</li> </ul>
The remote control does not work properly.	• The remote control is not pointed at the remote sensor of the System.	<ul style="list-style-type: none"> <li>• Point the remote control at the remote sensor of the System.</li> </ul>
	• The remote control is too far from the System.	<ul style="list-style-type: none"> <li>• Use the remote control within about 23 ft (7 m).</li> </ul>
	• There is an obstacle in the path of the remote control and the DVD/CD receiver.	<ul style="list-style-type: none"> <li>• Remove the obstacle.</li> </ul>
	• The batteries in the remote control are flat.	<ul style="list-style-type: none"> <li>• Replace the batteries with new ones.</li> </ul>
The sound mode or Pro Logic II mode cannot be changed.	• The system cannot change while playing a MP3 or WMA disc.	<ul style="list-style-type: none"> <li>• Insert a CD disc.</li> </ul>
The front panel display is too dim.	• Nothing is displayed on the front panel display.	<ul style="list-style-type: none"> <li>• Press DIMMER on the remote control.</li> </ul>
Poor picture quality	• Signal strength too low	<ul style="list-style-type: none"> <li>• Check the signal strength in the "Signal Information" menu, correct alignment of your aerial (page 20).</li> </ul>

**"All channels are subject to coverage and may be changed from time to time. Reception may depend on the type and condition of your existing aerial. Aerial upgrade may be required. For further details about FREEVIEW please write to: DTV Service Limited, PO Box 7630, Mansfield NG18 4YL. Information correct at time of printing."**

FREEVIEW and the FREEVIEW logo are trade marks of DTV Services Ltd and are used under license. Freeview Logo © DTV Services Ltd 2002. The Channel logos are trade marks and copyright of their respective owners."

To check you are in a Freeview coverage area, text your postcode to 83331\*, call 08708 80 99 80 or visit [www.freeview.co.uk](http://www.freeview.co.uk) (\*standard network changes apply).

[General]	Power supply	Refer to main label (labeled at the bottom cover)		
	Power consumption	Refer to main label (labeled at the bottom cover)		
	Weight	5.9 kg		
	External dimensions (W x H x D)	360 x 82 x 344 mm		
	Operating conditions	Temperature: 5°C to 35°C, Operation status: Horizontal		
	Operating humidity	5% to 85%		
[CD/DVD]	Laser	Semiconductor laser, wavelength 650 nm		
	Signal system	PAL 625/50, NTSC 525/60		
	Frequency response (audio)	150 Hz to 18 kHz		
	Signal-to-noise ratio (audio)	More than 70 dB (1 kHz, NOP, 20 kHz LPF/A-Filter)		
	Dynamic range (audio)	More than 70 dB		
	Harmonic distortion (audio)	0.5 % (1 kHz, at 12W position) (20 kHz LPF/A-Filter)		
[Video]	Video input	1.0 V (p-p), 75 Ω, negative sync., RCA jack x 2/ SCART (TO TV)		
	Video output	1.0 V (p-p), 75 Ω, negative sync., RCA jack x 1/ SCART (TO TV)		
DTV	Frequency Range	474 - 858 MHz		
[Tuner]	[FM]	Tuning Range	87.5 - 108.0 MHz	
		Intermediate Frequency	10.7 MHz	
		Signal-to Noise Ratio	60 dB (Mono)	
		Frequency Response	150 - 8,000 Hz	
	[AM [MW]]	Tuning Range	522 - 1,611 kHz	
		Intermediate Frequency	450 kHz	
[Amplifier]	Stereo mode	40W + 40W (8Ω at 1 kHz, THD 10 %)		
	Surround mode (* Depending on the sound mode settings and the source, there may be no sound output.)	Front: 40W + 40W (THD 10 %) Centre*: 40W Surround*: 40W + 40W (8Ω at 1 kHz, THD 10 %) Subwoofer*: 60W (8Ω at 30 Hz, THD 10 %)		
	Inputs	AV 1, AV 2, OPTICAL AUDIO, SCART		
	Outputs	AV 1 (AUDIO OUT) : 2V, WOOFER FREE OUT (2.5V) PHONES: (32 Ω, 0.8V)		
	Type	Satellite Speaker (DATS-200T)	Passive Subwoofer (DATS-200W)	
[Speakers]	Impedance	8 Ω	8 Ω	
	Frequency Response	130 - 20,000 Hz	60 - 150 Hz	
	Sound Pressure Level	87 dB/W (1m)	88 dB/W (1m)	
	Rated Input Power	40W	60 W	
	Max. Input Power	80 W	120 W	
	Net Dimensions (W x H x D)	95 x 140 x 95 mm	160 x 350 x 325 mm	
	Net Weight	0.6 kg	4.3kg	
	[Supplied Accessories]	• Audio cable . . . . .	1	• Video cable . . . . .
• Speakers . . . . .		6	• Speaker cables . . . . .	5
	• Remote control . . . . .	1	• Batteries (AAA) . . . . .	2
	• AM loop antenna . . . . .	1	• FM antenna . . . . .	1

\* Designs and specifications are subject to change without notice.



Technology with the human touch

## GUARANTEE

- LG Electronics U.K. Ltd. will provide the following services in order to expedite this Guarantee.
- 1. All faulty components which fail due to defective manufacture will be replaced free of charge for a period of 12 months from the original date of purchase.
- 2. The dealer (or their service agent) who sold the product will be reimbursed for any labour provided in the repair of this LG equipment, for a period of 12 months from the original date of purchase. These claims must be made in accordance with the published scale of service charges and relevant claims procedure.

### PLEASE NOTE:

- A. The dealer may restrict the guarantee to the original purchaser.
- B. The dealer is not obliged to carry out service under guarantee if unauthorized modifications are made to the apparatus, or if non standard components are used or if the serial number of the apparatus is removed, defaced, misused, or altered.
- C. Any claims made under guarantee must be directed to the dealer from whom the equipment was originally purchased. The dealer may, before carrying out service under guarantee, require a receipted account as evidence of the date of purchase.
- D. We respectfully point out that your dealer is not obligated to replace batteries if they become exhausted or worn in use.
- E. Aerial alignment and consumer control adjustments are not covered by this guarantee.

This guarantee does not affect your statutory rights.

### ● REQUIREMENTS TO MAINTAIN WARRANTY COVERAGE:

RETAIN YOUR RECEIPT TO PROVE DATE OF PURCHASE. A COPY OF YOUR RECEIPT MUST BE SURRENDERED AT THE TIME GUARANTEE SERVICE IS PROVIDED.

- Product Registration Card : It is helpful to complete at least your name, address, phone, model & serial numbers and return it. This will enable LG to assist you in the future should you lose your receipt, your units be stolen, or should modifications be necessary.
- To obtain information or assistance: Call 0870 607 5544 Monday-Friday 9.00am-4.30pm

MODEL NO.*	SERIAL NO.*	DATE OF PURCHASE.*

\* Please complete for your own record

LGEUK Website : [www.lge.co.uk](http://www.lge.co.uk)  
( service website : [www.lgelectronics.co.uk](http://www.lgelectronics.co.uk) )