HT253DD-D0_BGBRLL_ENG_8854 5/14/09 4:17 PM Page 1

LG
Life's Good

Model: HT253DD (HT253DD-D0, SH23DD-F/W)

USB Direct Recording
(Go to page 15)

Portable In
(Go to page 15)

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

As an ENERGY STAR® Partner, LG has determined that this product or product models meet the ENERGY STAR® guidelines for energy efficiency.

ENERGY STAR® is a U.S. registered mark.

P/NO : MFL39518854

Safety Precaution



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.



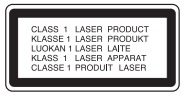
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

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.

CAUTION: Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over heating. The openings should be never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction has been adhered to.

CAUTION: This product 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 center. Use of controls, adjustments or the performance of 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.

CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit;

That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service center.

Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.



Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

This product is manufactured to comply with EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC.

European representative :

LG Electronics Service Europe B.V.
Veluwezoom 15, 1327 AE Almere, The Netherlands
(Tel : +31-036-547-8940)

Welcome to your new DVD Receiver

Contents

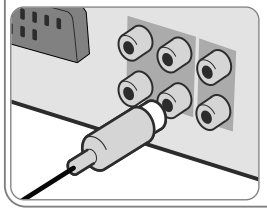
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POWER: This unit operates on a mains supply of 200-240V~, 50/60Hz.
WIRING: This unit is supplied with a BSI 1363 approved 13 amp mains plug, fused at 5 amp. When replacing the fuse always use a 5 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your dealer. 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 unit 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 ⏚ or coloured green or green and yellow. If any other plug is fitted, use a 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 unit 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.

Hooking up the unit

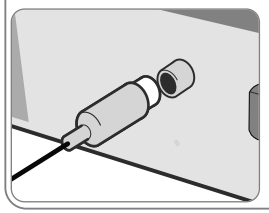
1 **Connect jacks on the unit and your TV (DVD player or Digital Device etc.) using the cables.**

Video Out connection



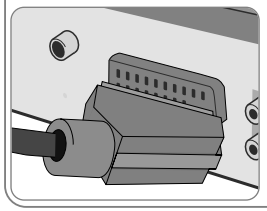
Connect the MONITOR jack on the unit to the corresponding input jack on your TV using a Video cable.

FM connection



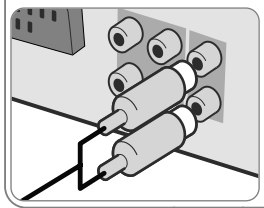
FM - Connect the FM aerial. The reception will be its best when the two loose ends of the aerial are in a straight and horizontal line.

SCART connection

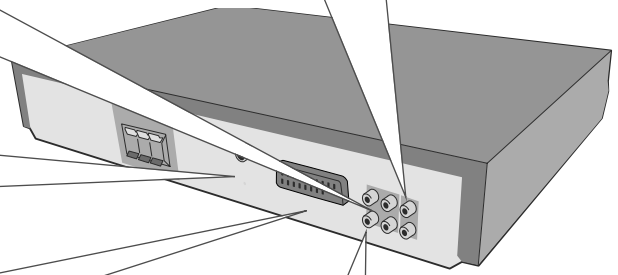


Connect the TO TV jack on the unit and your TV using the SCART cable.

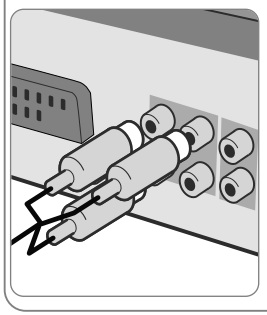
Audio In connection



The unit's Audio jacks are colour coded (red for right audio and white for left audio). If your TV has only one output for audio (mono), connect it to the left (white) audio jack on the unit.



Component Video connection



Connect the COMPONENT/ VIDEO OUTPUT jacks on the unit to the corresponding input jacks on your TV using a Y PB PR cable.

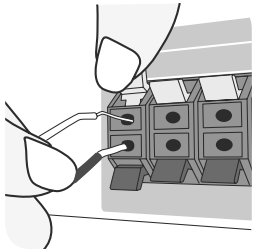
* If your TV accepts progressive format signals, you must use this connection and set [Progressive Scan] in [Display] setup to [On] (See page 8).

2 **Plug the power cord into the power source.**

Attaching the speakers to the DVD receiver

1 **Connect the wires to the DVD receiver.**
Match each wire's coloured band to the same coloured connection terminal on the rear of the DVD receiver. To connect the cable to the DVD receiver, press each plastic finger pad to open the connection terminal. Insert the wire and release the finger pad.

Connect the black end of each wire to the terminals marked -(minus) and the other end to the terminals marked + (plus).



2 **Connect the wires to the speakers.**
Connect the other end of each wire to the correct speaker according to the colour coding:

Main Unit	SPEAKER	POSITION
SUB WOOFER	W	This can be placed in any front position.
FRONT R	F.R	In front of you, to the right of the screen.
FRONT L	F.L	In front of you, to the left of the screen.

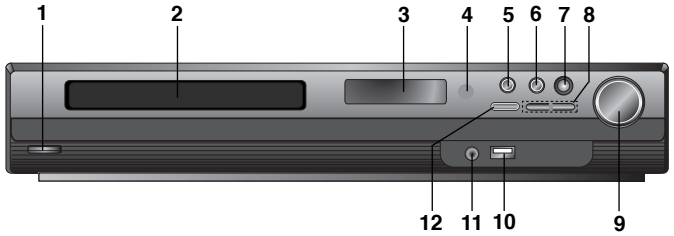
To connect the cable to the speakers, press each plastic finger pad to open the connection terminals on the base of each speaker. Insert the wire and release the finger pad.

Be careful of the following

Be careful to make sure children do not put their hands or any objects into the *speaker duct.

*Speaker duct: A hall for plentiful bass sound on speaker cabinet(enclosure).

Main unit



1 Power (⏻/**I**) Turns the unit on and off.

2 DVD/CD Disc Drawer

3 Display window

4 Remote sensor

5 Open/Close

6 Play/Pause (▶/❚❚), Function (FUNC.(-))
Press and hold down this button for about 3 seconds then press repeatedly to select other function.

7 VSM
Selects the Virtual sound.

8 TUNING (-/+), Skip/Search (⏮/⏭)

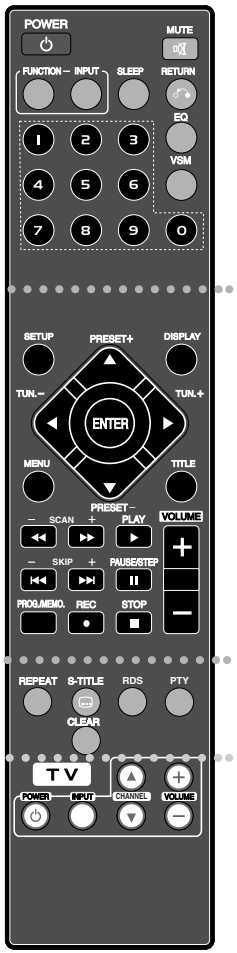
9 Volume
Control the volume when using any function.

10 USB port
The USB port allows you can connect a memory device to your DVD player.

11 PORT.IN port
The PORT.In port means you can connect an audio device to play through the surround sound speakers.

12 Stop

Remote control



1

POWER: Switches the unit ON or OFF.

FUNCTION : Selects the function (DVD/CD, FM)

INPUT : Changes the input source
(AUX, TV-AUDIO, PORTABLE, USB)

SLEEP : Sets the System to turn off automatically at a specified time. (Dimmer : Dims the LED (Light-emitting diode) of front panel by half in power-on status.)

MUTE : Press MUTE to mute your unit. You can mute your unit in order, for example, to answer the telephone.

EQ : You can choose 6 (or 7) fixed sound impressions.

VSM : Press **VSM** to set the VIRTUAL sound.

RETURN (↶): Press to move back wards in the menu.

0-9 numerical buttons: Selects numbered options in a menu.

2

SETUP : Accesses or removes setup menu

MENU : Accesses the menu on a DVD disc.

DISPLAY: Accesses On-Screen Display.

TITLE : If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may appear.

◄ / ► / ▲ / ▼ (left/right/up/down): Used to navigate on-screen displays.

ENTER : Acknowledges menu selection.

PRESET(-/+): Selects programme of Radio.

TUN.(-/+): Tunes in the desired radio station.

PLAY (►): Starts playback. Mono/Stereo(St.)

STOP (■): Stops playback or recording.

PAUSE/STEP (❚❚): Pause playback.

REC (●) **:** USB RECORD

SCAN (◄◄/►►) : Search backward or forward.

SKIP (I◄◄ / ►►I): Go to next or previous chapter/ track.

PROG./MEMO. : Accesses or removes Program menu.

VOLUME (+/-) : Adjusts speaker volume.

3

CLEAR: Removes a track number on the Program List.

S-TITLE: During playback, S-TITLE repeatedly to select a desired subtitle language .

REPEAT: Repeats a Chapter/ Track/ Title/ all.

RDS: Radio display mode

PTY: Views the various displays of the RDS

4

TV Control buttons : Controls the TV. (LG TV only)

Put the battery into the remote control

Make sure that the + (plus) and – (minus) on the battery match those on the remote control.

Controlling the TV.

You can control the sound level, input source, and power switch of LG TVs as well. Hold POWER (TV) and press CHANNEL (▲/▼) button repeatedly until the TV on or off.

OSD Initial language settings - Optional

During the first use of this unit, the initial language setup menu appears on your TV screen. You must complete initial language selection before using the unit. English will be selected as the initial language.

	ON REMOTE
1 Turn the power on : The language list appears	**POWER**
2 Select the language :	**◄► ▲▼**
3 Press :	**ENTER**
4 To confirm press :	**◄► and ENTER**

Initial Setting the Area Code - Optional

When you use this unit for the first time, you have to set the Area Code as shown below.

	ON REMOTE
1 Display setup menu :	**SETUP**
2 Select LOCK menu on the first level :	**▲▼**
3 Move to second level : The activated Area Code appears on the second level.	**►**
4 Move to the third level :	**►**
5 Enter a new password :	**numerical buttons (0-9) and ENTER**
6 Recheck the entered new password :	**numerical buttons (0-9) and ENTER**
7 Select a code for a geographic area : After select, Rating and Password will be activated. (page 16)	**◄► ▲▼ and ENTER**
8 To confirm what you press : Make sure to finish setting the Area Code before leaving the setup menu if you cannot set the rating and Password	**ENTER**

Adjust the settings

	ON REMOTE
1 Display setup menu :	**SETUP**
2 Select a desired option on the first level:	**▲▼**
3 Move to second level:	**►**
4 Select a desired option on the second level:	**▲▼**
5 Move to third level:	**►**
6 Change the setting:	**▲▼, ENTER**

Adjust the settings - more you can do

Adjust the language settings

OSD – Select a language for the Setup menu and on-screen display.
There is displayed as "-" or other error mark on display when you change OSD.
- Restart the unit
- Change function
- Disconnect and connect USB device.

Disc Menu/Audio/Subtitle – Select a language for the Menu/Audio/Subtitle.
[Original]: Refers to the original language in which the disc was recorded.
[Other]: To select another language, press number buttons then ENTER to enter the corresponding 4-digit number according to the language code list in the reference chapter (see page 16). If you make a mistake before pressing ENTER, press CLEAR.
[Off] (for Disc Subtitle): Turn off Subtitle.

Adjust the display settings

TV Aspect – Select which screen aspect to use based on the shape of your TV screen.

[4:3]: Select when a standard 4:3 TV is connected.
[16:9]: Select when a 16:9 wide TV is connected.

Display Mode – If you selected 4:3, you'll need to define how you would like widescreen programs and films to be displayed on your TV screen.

[Letterbox]: This displays a widescreen picture with black bands at the top and bottom of the screen.
[Panscan]: This fills the entire 4:3 screen, cropping the picture as necessary.

TV Output Select – Select an option according to the TV connection type.

[YPbPr]: When your TV is connected with the COMPONENT/VIDEO jacks on the unit.
[RGB]: When your TV is connected with the SCART jack.

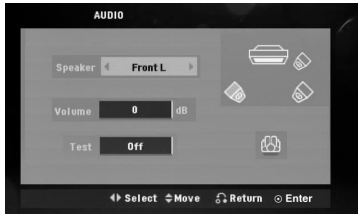
Progressive Scan (For Component Video connections) – Selects whether the COMPONENT/VIDEO OUTPUT jacks output progressive signal. If your TV accepts progressive format signals, you will enjoy accurate colour reproduction and high quality image by selecting [On]. If your TV does not accept progressive format signals, select [Off].
If you set Progressive Scan to [On] in error, you must reset the unit. First, remove the disc in the unit. Next, press and hold STOP (■) for five seconds. The video output will be restored to the standard setting, and a picture will be visible on your TV.

Adjust the audio settings

DRC (Dynamic Range Control) – Make the sound clear when the volume is turned down (Dolby Digital only). Set to [On] for this effect.

Vocal – Select [On] to mix karaoke channels into normal stereo. This function is effective for multi-channel karaoke DVDs only.

2.1 Speaker Setup

	ON REMOTE
1 Open the settings menu:	**SETUP**
2 Select to the audio icon:	**▲▼**
3 Select right to enter the audio menu, then select 2.1 Speaker Setup:	**► ▲ ▼ ENTER**
4 Select the speaker you want to adjust: 	**◄ ►**
5 Select a option and change the settings:	**▲ ▼ ◄ ►**
6 Set the output level (volume) of a speaker: from -5dB to +5dB.	**◄ ►**
7 Test the signals of each speaker: Adjust the volume to your taste according to these signals.	**◄ ►**
8 Save your settings and exit the Setup menu:	**RETURN**

Adjust the lock settings

To access the lock options, you must enter the 4-digit password. If you have not yet entered a password you are prompted to do so. Enter a 4-digit password then press ENTER. Enter it again then press ENTER to verify. If you make a mistake while entering number, press CLEAR to delete numbers.
If you forget your password you can reset it. Press SETUP to display the Setup menu. Input '210499' and press ENTER. The password has now been cleared.

Rating – Select a rating level. The lower the level, the stricter the rating. Select [Unlock] to deactivate the rating.

Password – Sets or changes the password for lock settings.
[New]: Enter a new 4-digit password using the numerical buttons then press ENTER. Enter the password again to confirm.
[Change]: Enter the new password twice after entering the current password.

Area code – Select a code for a geographic area as the playback rating level. This determines which area's standards are used to rate DVDs controlled by the parental lock. See the Area Codes on page 16.

Adjust the others settings

DivX(R) Registration – We provide you with the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos using the DivX® VOD service.
For more information, visit www.divx.com/vod.
Press ENTER when [Select] icon is highlighted and you can view the registration code of the unit.

Bit Rate – You can set the quality of the recorded file.

Setting the sound mode

VSM (VIRTUAL SOUND MATRIX)

Press VSM to set the virtual sound or to change sound mode repeatedly.

- **2.1Ch source : 3D STEREO**
  Realtime 3D positioned sound rendering technology with stereo sources, optimized for stereo speakers. Listeners may experience amazing virtual surround effects with their own multimedia players.

  BYPASS → VIRTUAL → ON STAGE

- **5.1Ch source : Virtual surround**
  A patent pending downmix technology converts 5.1 channel to 2 channel sound having directional information of audio.

Set a pre-programmed sound field

This system has a number of pre-set surround sound fields. Select the one which best suits the programme you are watching by pressing EQ repeatedly to cycle through the options: NORMAL, NATURAL, AUTO EQ, POP, CLASSIC, ROCK, JAZZ

[AUTO EQ]: AUTO EQ operates only in the MP3/ WMA files which include the information. (ID3 Tag is operated ver.1 only.) WMA file operates to Normal EQ regardless of Tag information.

Displaying Disc Information

	ON REMOTE
1 Press DISPLAY:	DISPLAY
2 Select a item:	▲▼
3 Adjust the Display menu settings:	◄►
4 To return the exit:	DISPLAY

Displaying Disc Information - more you can do

You can select an item by pressing ▲▼ and change or select the setting by pressing ◄►.



Current title (or track) number/total number of titles (or tracks)



Current chapter number/total number of chapters



Elapsed playing time



Selected audio language or channel



Selected subtitle



Selected angle/total number of angles



Selected sound mode

Symbol Used in this Manual

All discs and file listed below	ALL	MP3 files	MP3
DVD and finalized DVD±R/RW	DVD	WMA files	WMA
DivX files	DivX	Audio CDs	ACD

Playing a Disc or file

	ON REMOTE
1 Open the disc tray: (On unit: ⏏)	-
2 Insert a Disc: (On unit)	-
3 Close the disc tray: (On unit: ⏏)	-
4 Adjust the menu settings: or Select a file from the menu:	◄► ▲▼ ▲▼
5 Start the Disc playing:	► PLAY
6 To stop the Disc playing:	■ STOP

Playing a Disc or file - more you can do

Playing a DVD that has a menu DVD

Most DVD now have menus which load first before the film begins to play. You can navigate these menus using ◄► ▲▼ to highlight an option.
Press ENTER to select.

Skip to the next/previous chapter/track ALL

Press SKIP (▶▶I) to move to the next chapter/track.
Press SKIP (I◀◀) to return to the beginning of the current chapter/track.
Press SKIP (I◀◀) twice briefly to step back to the previous chapter/track.

Pause playback ALL

Press PAUSE/STEP (❚❚) to pause playback. Press PLAY (►) to continue playback.

Frame-by-Frame playback DVD DivX

Press PAUSE/STEP (❚❚) repeatedly to play title Frame-by-Frame.

Playing repeatedly ALL

Press REPEAT repeatedly to select an item to be repeated. The current title, chapter or track will be played back repeatedly. To return to normal playback, press REPEAT repeatedly to select [Off].

Fast forward or fast reverse ALL

Press SCAN (◀◀ or ▶▶) to play fast forward or fast reverse during playback. You can change the playback speed by pressing SCAN (◀◀ or ▶▶) repeatedly. Press PLAY (▶) to continue play at normal speed.

Selecting a subtitle language DVD DivX

During playback, press SUBTITLE ( ) repeatedly to select a desired subtitle language.

Slow down the playing speed DVD

While playback is paused, press SCAN (◀◀ or ▶▶) to slow down forward or reverse playback. You can change the various playback speed by pressing SCAN (◀◀ or ▶▶) repeatedly. Press PLAY (▶) to continue play at normal speed.

Watch and listen 1.5 times faster DVD ACD MP3 WMA

Press PLAY when a DVD is already playing to watch and listen to a DVD 1.5 times faster than normal playback speed. ▶ x1.5 will appear in the top right corner of the screen. Press PLAY again to return to normal playback speed.

Viewing the Title menu DVD

Press TITLE to display the disc's title menu, if available.

Viewing the DVD MENU DVD

Press MENU to display the disc menu, if available.

Starting play from selected time DVD DivX

Searches for the starting point of entered time code. Press DISPLAY during playback and select the time clock icon. Input the required start time in hours, minutes, and seconds, and press ENTER. If you enter the wrong number, press CLEAR to enter again.

Last Scene Memory DVD

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

Mixed disc or USB Flash Drive – DivX, MP3/WMA and JPEG

When playing a disc or USB Flash Drive containing with DivX, MP3/WMA and JPEG files together, you can select which menu of files you would like to play by pressing TITLE

Changing the character set to display DivX® subtitle correctly DivX

If the subtitle does not display properly during playback, press and hold S-TITLE for about 3 seconds then press S-TITLE to select another language code until the subtitle is displayed properly

DivX file requirement DivX

DivX disc compatibility with this player is limited as follows:

- Available resolution size: 800x600 (W x H) pixel
- The file name of the DivX subtitle is available by 45 characters.
- If there is impossible code to express in the DivX file, it may be displayed as " _ " mark on the display.
- If the number of the screen frame is over 30 per 1 second, this unit may not operate normally.
- If the video and audio structure of recorded files are not interleaved, either video or audio is outputted.
- If the name of movie file is different from that of the subtitle file,during playback of a DivX file, subtitle may not be display..
- MPEG4 file extensions: “.avi”, “.mpg”, “.mpeg”, “.divx”
- Playable DivX subtitle: SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha(.ssa/.txt), MicroDVD (.sub/.txt), SubViewer 2.0 (.sub/.txt) (Files (VobSub(.sub)) included with USB device is not supported)
- Playable Codec format: “DIVX3.xx”, “DIVX4.xx “, “DIVX5.xx”, “MP4V3”, “3IVX”
- Playable Audio format: “AC3”, “PCM”, “MP3”, “WMA”
- Sampling frequency: within 32 - 48 kHz (MP3), within 32 - 48kHz (WMA)
- Bit rate: within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
- Maximum Files/Disc: Less than 999 (total number of files and folders)

Creating your own program (ACD) (MP3) (WMA)

You can play the contents of a disc in the order you want by arranging the order of the music files on the disc. The program is cleared when the disc is removed. Select a desired music file then press PROG./MEMO. or select " ♫➙ " and then press ENTER to add the music file to the program list. To add all music files on the disc, select " ♫♫➙ " and then press ENTER. Select a music file from the program list then press ENTER to start programmed playback.To clear a music file from the program list, select the music file you want to clear then press CLEAR or select " ♫🗑 " icon and then press ENTER. To clear all music files from the program list, select " ♫♫🗑 " then press ENTER.

Displaying file information (ID3 TAG) (MP3)

While playing an MP3 file containing file information, you can display the information by pressing DISPLAY repeatedly.

MP3/WMA music file requirement

MP3/WMA compatibility with this unit is limited as follows:

- File extensions: ".mp3", ".wma".
- Sampling frequency: within 32 - 48 kHz (MP3), within 32 - 48kHz (WMA)
- Bit rate: within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
- CD-R/RW, DVD±R/RW Format: ISO 9660/ JOLIET
- Maximum Files/Disc: Less than 999 (total number of files and folders)

Screen Saver

The screen saver appears when you leave the unit in Stop mode for about five minutes.

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/STEP (❚❚) for more than five seconds to be able to select a system.

Viewing photo files

	ON REMOTE
1 Open the disc tray: (On unit: ⏏)	-
2 Insert a disc: (On unit)	-
3 Close the disc tray: (On unit: ⏏)	-
4 Select a photo file:	▲▼
5 Display the selected file in full screen:	ENTER
6 To return to the menu:	■ STOP

Viewing photo files - more you can do

Viewing photo files as a slide show

Use ◄ ► ▲▼ to highlight (🖼) icon then press ENTER to start slide show. You can change slide show speed using ◄ ► when (🖼⚙) icon is highlighted.

Skip to the next/previous photo

Press SKIP (I◄◄ or ►►I) to view the previous/next photo.

Rotate a photo

Use ◄ ► ▲▼ to rotate the photo in full screen mode.

Pause a slide show

Press PAUSE/STEP (❚❚) to pause a slide show. Press PLAY (►) to continue the slide show.

Photo file requirement

JPEG file compatibility with this unit is limited as follows:

- File extensions: ".jpg"
- Max pixel in width - Normal JPEG : 5120 x 3840/
  Progessive JPEG : 2048 x 1536
- CD-R/RW, DVD±R/RW Format: ISO 9660/ JOLIET
- Maximum Files/Disc: Less than 999 (total number of files and folders)

Listening to the radio

Be sure that FM aerial is connected.

	ON REMOTE
1 Turn the power on:	**POWER**
2 Select FM:	**FUNCTION**
3 Select a radio station:	**TUN-/+**
4 To 'save' a radio station: A preset number will show in the display.	**PROG/MEMO.**
5 To select a 'saved' station input the preset number: Up to 50 radio stations can be saved.	**PRESET-/+**
6 To confirm press:	**PROG/MEMO.**

Listening to the radio - more you can do

Look for radio stations automatically

Press and hold TUN.-/TUN.+ for more than a second. The tuner will scan automatically and stop when it finds a radio station.

Choose a preset number for a radio station

When storing a radio station, the preset number can be chosen. When the player automatically shows a preset number, press PRESET -/+ to change it. Press PROG./MEMO. to save your chosen number.

Delete all the saved stations

Press and hold PROG./MEMO. for two seconds. ERASE ALL will flash up on the DVD receiver display. Press PROG./MEMO. to erase all saved radio stations.

Improve poor FM reception

Press PLAY (►) (MONO/ST). This will change the tuner from stereo to mono and usually improve the reception.

See information about a radio station

The FM tuner is supplied with the RDS (Radio Data System) facility. This shows information about the radio station being listened to. Press RDS repeatedly to cycle through the various data types:

PS (Programme Service Name)
The name of the channel will appear in the display

PTY (Programme Type Recognition)
The programme type (e.g. Jazz or News) will appear in the display.

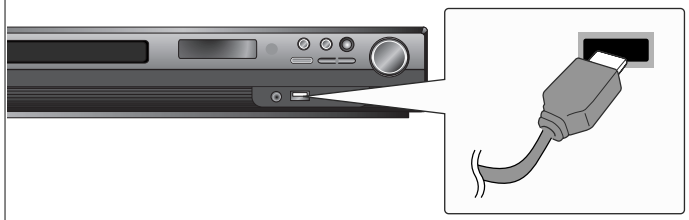
RT (Radio Text)
A text message contains special information from the broadcast station. This text may scroll across the display.

CT (Time controlled by the channel)
This shows the time and date as broadcast by the station.

You can search the radio stations by programme type by pressing RDS. The display will show the last PTY in use. Press PTY one or more times to select your preferred programme type and then press ◄ / ►. The tuner will searh automatically. When a station is found the search will stop.

Listening to music from your USB device

The advantage of connecting your portable USB player through the system's USB port is that the USB device can be controlled from the system.



	ON REMOTE
1 **Connect** the USB device to the unit using a USB cable (not supplied).**:**	**-**
2 **Select the USB function:**	**INPUT**
3 **Select a file from the menu:**	**▲▼**
4 **Start your music playing:**	**► PLAY**
5 **Before disconnecting** the portable USB device, change to any other function by pressing:	**FUNCTION or INPUT**
6 **Remove** the USB device**:**	**-**

Listening to music from your USB device - more you can do

Compatible USB Devices

- Devices which require additional program installation when you have connected it to a computer, are not supported.
- MP3 Player : Flash type MP3 player.
  The MP3 player requiring installation of a driver is not supported.
- USB Flash Drive : Devices that support USB2.0 or USB1.1. (In case USB 2.0 is inserted in the the player, if operates at the same speed as that of USB 1.1)

USB device requirement

- **Do not extract the USB device while in operation.**
- To prevent data loss, back up all data.
- If you use a USB extension cable or USB hub, the USB device might not be recognized.
- A device using NTFS file system is not supported. (Only FAT (16/32) file system is supported.)
- The USB function of this unit does not support all USB devices.
- Digital camera and mobile phone are not supported.
- This unit is not supported when the total number of files is 1000 or more.
- If the connected USB device has two or more folders, a drive folder is displayed on the screen. If you want to move to the previous menu after you select a folder, press RETURN.

Recording music from CD to your USB device

	ON REMOTE
1 **Connect** the USB device to the unit**:**	**-**
2 **Select a mode (DVD/CD) in which you want to record:**	**FUNCTION**
3 **Start the recording:** **If you want to record desired music file in Disc to USB. Select a file after start the recording:**	● **REC** ▲▼ **and** ● **REC**
4 **To stop a recording:**	■ **STOP**

Recording music from CD to your USB device - more you can do

Record Audio CD source to USB

One track recording - If the USB recording is played during playback of the CD, the one track would be recording into the USB
All track recording - If the REC button is pressed at the CD stop, all track would be recording.
Program list recording - USB Records after selecting the tracks pressing the PROG./MEMO button if you want to record the track you want.

When you are recording, look out for the following

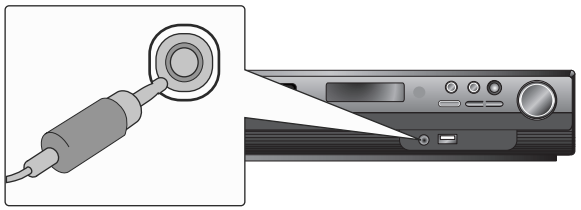
- When you start the USB direct recording, you can check the Recording percentage rate for the USB record on the display window during the recording.
- During the recording is no sound and not operate for volume .
- When you stop recording during playback, the file that has been recorded at that time will be stored
- If you disconnect the USB without STOP button while recording, the file can not delete in the PC.
- Playable USB REC. Bit rate : 96/128kbps (Refer to the SET UP page)
- During USB record can not operate Pause key for Audio CD only.
- Card reader device can not be use for USB record.
- USB port of the unit can not be connected to PC. The unit can not be used as a storage device.
- If the USB can not record appears “NO USB”.“ERROR”,“USB FULL”, “NO REC” on the display window.
- File will be stored to CD_REC folder in a format “TRK-001.mp3”.
- If you record more 999 files on CD_REC folder appears “ERROR” on the display.
- New files are numbered in numeric sequence. if the total number of the files are more than 999, delete some or store some in PC.
- External HDD,Card reader, Locked device and MP3 player is not supported.

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offense. This equipment should not be used for such purposes.

Be responsible
Respect copyrights

Listening to music from your portable player

The player can be used to play the music from many types of portable player



	ON REMOTE
1 **Connect** the portable player by plugging the unit into PORT. IN on the front of the player.**:**	**-**
2 **Turn the power on:**	**POWER**
3 **Select the PORTABLE function:**	**INPUT**
4 **Turn the portable player on and start it playing:**	**-**

Language Codes

Use this list to input your desired language for the following initial settings: Disc Audio, Disc Subtitle, Disc Menu.

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

Area Codes

Choose a area code from this list.

Area	Code	Area	Code	Area	Code	Area	Code	Area	Code	Area	Code
Afghanistan	AF	Costa Rica	CR	Greenland	GL	Maldives	MV	Paraguay	PY	Sri Lanka	LK
Argentina	AR	Croatia	HR	Hong Kong	HK	Mexico	MX	Philippines	PH	Sweden	SE
Australia	AU	Czech Republic	CZ	Hungary	HU	Monaco	MC	Poland	PL	Switzerland	CH
Austria	AT	Denmark	DK	India	IN	Mongolia	MN	Portugal	PT	Taiwan	TW
Belgium	BE	Ecuador	EC	Indonesia	ID	Morocco	MA	Romania	RO	Thailand	TH
Bhutan	BT	Egypt	EG	Israel	IL	Nepal	NP	Russian Federation	RU	Turkey	TR
Bolivia	BO	El Salvador	SV	Italy	IT	Netherlands	NL	Saudi Arabia	SA	Uganda	UG
Brazil	BR	Ethiopia	ET	Jamaica	JM	Netherlands Antilles	AN	Senegal	SN	Ukraine	UA
Cambodia	KH	Fiji	FJ	Japan	JP	New Zealand	NZ	Singapore	SG	United States	US
Canada	CA	Finland	FI	Kenya	KE	Nigeria	NG	Slovak Republic	SK	Uruguay	UY
Chile	CL	France	FR	Kuwait	KW	Norway	NO	Slovenia	SI	Uzbekistan	UZ
China	CN	Germany	DE	Libya	LY	Oman	OM	South Africa	ZA	Vietnam	VN
Colombia	CO	Great Britain	GB	Luxembourg	LU	Pakistan	PK	South Korea	KR	Zimbabwe	ZW
Congo	CG	Greece	GR	Malaysia	MY	Panama	PA	Spain	ES		

Troubleshooting

PROBLEM	CAUSE	CORRECTION
No power	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
No picture	The TV is not set to receive the DVD signal.	Select the appropriate video input mode on the TV so the picture from the DVD Receiver appears on the TV screen.
	The video cables are not connected securely.	Connect the video cables securely to both the TV and DVD Receiver.
There is little or no sound	Equipment connected via the audio cable is not set to receive DVD signal output.	Select the correct input mode of the audio receiver so you can hear the sound from the DVD receiver.
	The audio cables are not connected to the speakers or receiver securely.	Connect the audio cables into the connection terminals correctly.
	The audio cables are damaged.	Replace with a new audio cable.
The DVD picture quality is poor	The disc is dirty.	Clean the disc using a soft cloth with outward strokes.
A DVD/CD will not play	No disc is inserted.	Insert a disc
	An unplayable disc is inserted.	Insert a playable disc (check the disc type, colour system and regional code).
	The disc is inserted upside down.	Place the disc with the label or printed side facing upwards.
	The menu is open on screen.	Press SETUP to close the menu screen.
	There is a parental lock which prevents the playback of DVDs with a certain rating.	Enter your password or change the rating level.
Humming noise heard while a DVD or CD is playing	The disc is dirty.	Clean the disc using a soft cloth with outward strokes.
	The DVD receiver is located too close to the TV, causing feedback.	Move DVD receiver and audio components further away from your TV.
Radio stations can't be tuned in properly	The antenna is positioned or connected poorly.	Check the antenna connection and adjust its position.
		Attach an external aerial if necessary.
	The signal strength of the radio station is too weak.	Tune to the station manually.
	No stations have been preset or preset stations have been.cleared(when tuning by scanning preset channels).	Preset some radio stations, see page 13 for details.
The remote control doesn't work well / at all	The remote is not pointed directly at the DVD receiver.	Point the remote directly at the unit.
	The remote is too far from the DVD receiver.	Use the remote within 23 feet (7m) of the DVD receiver.
	There is an obstacle in the path between the remote control and the unit.	Remove the obstacle.
	The batteries in the remote control are flat.	Replace the batteries with new ones.

Types of Playable Discs

Type	Logo
DVD-VIDEO: Discs such as movies that can be purchased or rented.	
DVD-R: Video mode and finalized only	
DVD-RW: Video mode and finalized only DVD VR format that have been finalized can not be played in this unit	
DVD+R: Video mode only Supports the double layer disc also	
DVD+RW: Video mode only	
Audio CD:	

This unit plays DVD±R/RW and CD-R/RW that contains audio titles, DivX, MP3,WMA and/or JPEG files. Some DVD±RW/DVD±R or CD-RW/CD-R cannot be played on this unit due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.

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

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS is a registered trademark and the DTS logos, Symbol and DTS 2.0 channel are trademarks of DTS, Inc. © 1996-2008 DTS, Inc. All Rights Reserved.

About the ✋ Symbol Display

" ✋ " may appear on your TV display during operation and indicates that the function explained in this owner's manual is not available on that specific DVD video disc.

Regional Codes

This unit has a regional code printed on the rear of the unit. This unit can play only DVD discs labeled same as the rear of the unit or "ALL".

- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your unit's regional code or the disc cannot play.
- If you try to play a DVD with a different regional code from your player, the message "Check Regional Code" appears on the TV screen.

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 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.

CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p UNIT, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

You have to set the disc format option to [Mastered] in order to make the discs compatible with the LG players when formatting rewritable discs. When setting the option to Live File System, you cannot use it on LG players.
(Mastered/Live File System : Disc format system for Windows Vista)

Specifications

General	
Power supply	Refer to main label.
Power consumption	Refer to main label.
Net Weight	2.5 kg
External dimensions (W x H x D)	360 x 62 x 305 mm
Operating conditions Temperature	5°C to 35°C, Operation status: Horizontal
Operating humidity	5% to 85%
Laser	Semiconductor laser, wavelength 650 nm

Tuner FM	
FM Tuning Range	87.50 - 108.00 MHz
FM Intermediate Frequency	10.7 MHz

Amplifier	
Stereo mode	45 W + 45 W (4Ω at 1 kHz, THD 10 %)
Surround mode	Front: 45 W + 45 W (THD 10 %) Subwoofer*: 75 W (8Ω at 30 Hz, THD 10 %)

Speakers	Front Speaker	Passive Subwoofer
Model	SH23DD-F	SH23DD-W
Type	1 Way 1 Speaker	1 Way 1 Speaker
Impedance	4 Ω	8 Ω
Rated Input Power	45 W	75 W
Max. Input Power	90 W	150 W
Net Dimensions (W x H x D)	99 x 114 x 86 mm	156 x 325 x 320 mm
Net Weight	0.38 kg	3.5 kg

Designs and specifications are subject to change without prior notice.

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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 his 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 PROVED.

- 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 873 5454 Monday-Friday 9.00am-4.30pm

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

* Please complete for your own record

In all cases of difficulty - consult your LG dealer from whom the product was purchased

LGEUK Website : www.lge.co.uk
(service website : www.lgelectronics.co.uk)