HW964TZ-A2_BEGYLLK_ENG_2019 4/6/09 4:34 PM Page 1



English

PORTUGUÊS

FRANÇAIS

العربية

Model : HW964TZ (HW964TZ-A2, SH94TZ-F/S/C/W, W94R)
HW964PZ (HW964PZ-A2, SH94PZ-F/S/C/W, W94R)

Full HD up-scaling (1080p)
(Go to page 8)

Home theater Speaker ez Set-up
(Go to page 17)

USB Direct Recording
(Go to page 19)

Portable In
(Go to page 20)

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 : MFL62242019

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.



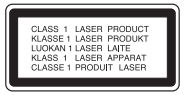
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

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. Shall 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 shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall 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.



What is SIMPLINK?

Some functions of this unit are controlled by TV's remote control when this unit and LG TV with SIMPLINK are connected through HDMI connection.

- Controllable functions by LG TV's remote control; Play, Pause, Scan, Skip, Stop, Power Off, etc.
- Refer to the TV owner's manual for the details of SIMPLINK function.
- LG TV with SIMPLINK function has the logo as shown above.
- Use a higher version cable than 1.2A HDMI cable.

Welcome to your new DVD Receiver

Contents

Setting up 4-6
LED indicator of Wireless Receiver 5
Initial Setting an ID of Wireless 5
Setting an ID of Wireless 5
Hooking up the unit 7-9
Main Unit 9
Remote control 10
OSD Initial language settings - Optional 11
Initial Setting the Area Code - Optional 11
Adjusting the general settings 11-13
5.1 Speaker Setup 12
Enjoying a preprogrammed sound field 13

Displaying Disc Information 14
Playing a disc or file 14-16
Viewing photo files 16
Listening to the radio 17
Home theater Speaker ez Set-up 17
Using an USB device 18
Recording to USB 19
Listening to music from your portable player or external device 20
Other operations 20

Language Codes 21
Area Codes 21
Troubleshooting 22
Types of Playable Discs 23
Specifications 24

In NIGERIA

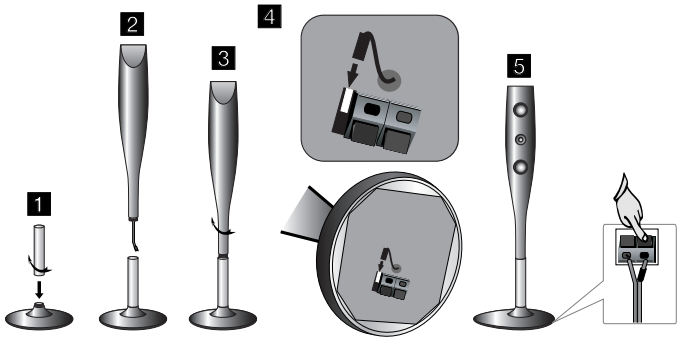
POWER: This unit operates on a mains supply of 200-240V, 50/60Hz.
WIRING: This unit is supplied with a BSI 1363 approved 13 amp mains plug, fused at 5 amp. When replacing the fuse always use a 5 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement 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 DVD player 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 DVD player 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.

Precautions in using the touch buttons

- Use the touch buttons with clean and dry hands.
  - In a humid environment, wipe out any moisture on the touch buttons before using.
- Do not press the touch buttons hard to make it work.
  - If you apply too much strength, it can damage the sensor of the touch buttons.
- Touch the button that you want to work in order to operate the function correctly.
- Be careful not to have any conductive material such as metallic object on the touch buttons. It can cause malfunctions.

Setting up

The speakers are detached from the speaker stands.



Assembling the Speakers

1 Fix the post to the base by rotating the post.

2 Draw the connector cable through the hole on the stand.

3 Fix the speaker to the stand by rotating the speaker.

4 Connect the connector cable between the speaker and base.

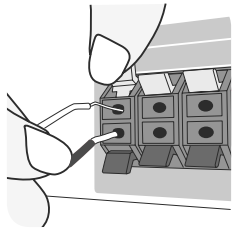
5 Connect the speaker cord to the appropriate terminals on the speaker.

Attaching the speakers to the DVD receiver

1 **You will have received four speaker cables.**
Each one is colour-coded by a band near each end and connects one of the four speakers to the DVD receiver.

2 **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).



3 **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
FRONT R	Red	In front of you, to the right of the screen.
CENTER	Green	Above screen, directly in front of you.
SUB WOOFER	Orange	This can be placed in any front position.
FRONT L	White	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).

Use the rear speaker at least 30 CM away from either TV screen or PC monitor.

LED indicator of Wireless Receiver

LED color	Operation
BLUE	The Wireless Receiver is receiving the signal of the Wireless transmitter.
RED	The Wireless Receiver is in standby mode.
OFF (No display)	The Wireless Receiver is turned off.

Initial Setting an ID of Wireless

	ON Wireless Receiver
1 Connect the Wireless Receiver and the rear speaker (right, left) with the speaker cables.:	**-**
2 Connect the power cord of the Wireless Receiver to the outlet.:	**-**
3 Turn on the main unit and Wireless Receiver: The main unit and wireless receiver will be automatically connected. "MATE OK" appears in display window	**POWER Switch**

Setting an ID of Wireless

When the unit is manufactured, the ID is already set. If an interference occurs or you use a new Wireless Receiver, an ID should be set again.

	ON Wireless Receiver
1 Turn on the main unit and Wireless Receiver:	**POWER Switch**
2 Press and hold STOP(■) on the front of unit and MUTE on the remote control. "REMATE" appears in display window.	**-**
3 Turn off the Wireless Receiver:	**POWER Switch**
4 Turn on the Wireless Receiver: A new ID is set.	**POWER Switch**

Be careful of the following

If there is a strong electromagnetic wave product nearby, interference may occur. Put the unit (Wireless Receiver and main unit) away from there.
(Ex: Microwave oven)
If there is no audio signal for longer than 10 minutes, the Wireless Receiver will automatically switch to standby mode. In power saving mode, both LEDs will turn red. LEDs will turn blue when there is any audio signal back.
If you operate main unit then wireless speakers (rear speakers) sound within a few seconds in standby mode.

Setting up

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 holl for plentiful bass sound on speaker cabinet(enclosure).
- Set the distance between this unit and Wireless Receiver within 10m.
- Optimum performance can be implemented only when the Wireless Transmitter and the Wireless Receiver within distance of 2m to 10m is used since communication failure may occur if longer distance is used.
- 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.
- It takes a few seconds (and may take longer) for the Wireless Transmitter and Wireless Receiver to communicate with each other.
- Use the rear speaker at least 30 CM away from either TV screen or PC monitor

About Ferrite Core (for EMI only)

Be sure to attach the ferrite core to the speaker cable (for connecting to this unit and wireless receiver).

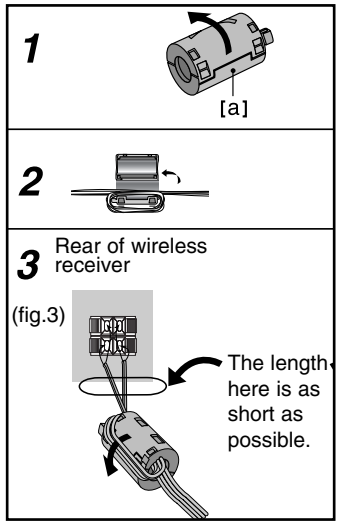
This ferrite core can reduce noises.

How to attach the ferrite core

1 Press the stopper [a] of the ferrite core to open.

2 Wind the speaker cables once on the ferrite core. (Refer to the fig.3 and comment.).

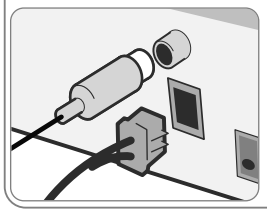
3 Close the ferrite core until it clicks.



Hooking up the unit

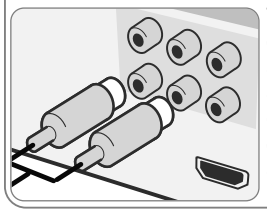
1 Connect jacks on the unit and your TV (DVD player or Digital Device etc.) using the cables.
Check the jacks of your TV, and choose the **A**, **B** or **C** connection. Picture quality improves in order from **A** to **C**.

AM/ FM connection



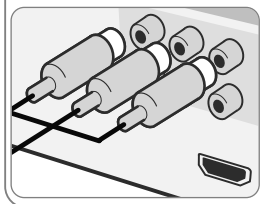
AM - Connect the AM loop aerial to the DVD receiver.
FM - Connect the FM aerial. The reception will be its best when the two loose ends of the aerial are in a straight and horizontal line.

Audio In connection

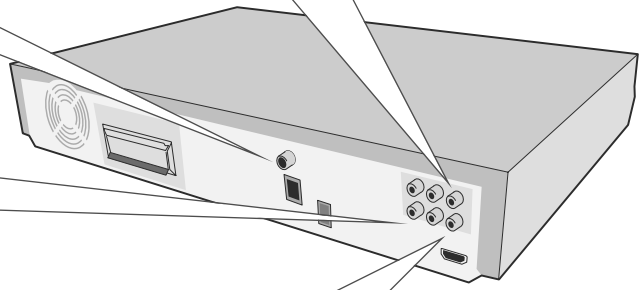


The unit's Audio jacks are colour coded (red for right audio and white for left audio). If your TV has only one output for audio (mono), connect it to the left (white) audio jack on the unit.

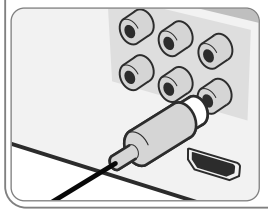
Component Video connection (B)



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



Video Out connection (A)



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

2 Plug the power cord into the power source.

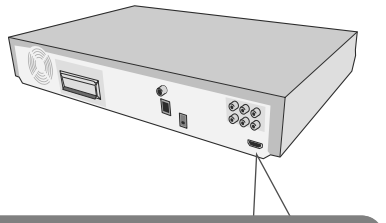
Hooking up the unit

Resolution Setting

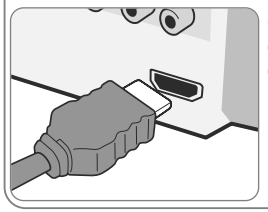
You can change the resolution for component video and HDMI output.
Press **RESOLUTION** repeatedly to select the desired resolution - 480i (or 576i), 480p (or 576p), 720p, 1080i, 1080p
The resolution may not be selected depending on the connection or TV.

- Depending on your TV, some of the resolution settings may result in the picture disappearing or an abnormal picture appearing. In this case, press **RESOLUTION** repeatedly until the picture re-appears.

You can set 1080p video resolution to enjoy Full HD picture quality. (Full HD up-scaling)



HDMI Out connection (C)



Connect the HDMI OUTPUT jack on the unit to the HDMI input jack on a HDMI compatible TV using a HDMI cable.

Available resolution according to connection

Displayed resolution in display window and outputted resolution may different according to connection type.

[HDMI OUT]: 1080p, 1080i, 720p and 480p (or 576p) and 480i (or 576i)
[COMPONENT VIDEO OUT]: 480p (or 576p) and 480i (or 576i)
[VIDEO OUT]: 480i (or 576i)

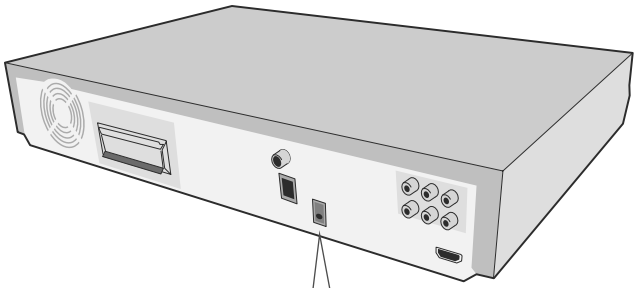
Notes on HDMI Out connection

- If your TV does not accept your resolution setting, abnormal picture appears on the screen.(“TV do not support” will appears in screen)
  Please read owner’s manual for TV, and then set the resolution that your TV can accept.
- Changing the resolution when the unit is connected with HDMI connector may result in malfunctions. To solve the problem, turn off the unit and then turn it on again.
- When you connect a HDMI or DVI compatible device make sure of the following :
  - Try switching off the HDMI/ DVI device and this unit. Next, switch on the HDMI/ DVI device and leave it for around 30 seconds, then switch on this unit.
  - The connected device’s video input is set correctly for this unit.
  - The connected device is compatible with 720X480i(576i), 720X480p(576p), 1280X720p, 1920X1080i or 1920X1080p video input.
  - The 1080p, 720p and 480p(576p) resolutions are the progressive scan applied resolution.
- Not all HDCP-compatible DVI devices will work with this unit.
  - The picture will not be displayed properly with non-HDCP device.

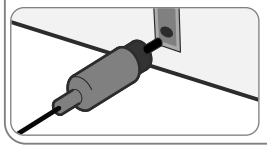
Enjoying audio from an external source and selecting the function

You can enjoy audio from an external source through your unit. And You can select the function.
Press **FUNCTION** repeatedly to select the desired input source and the function (DVD/CD, USB, AUX, AUX OPT, PORTABLE, FM, AM).

Hooking up the unit

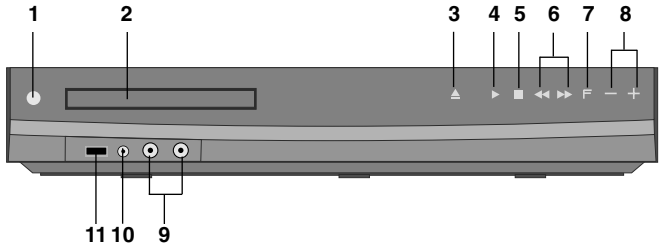


Digital Audio in connection



Connect the unit's OPTICAL IN jack to the optical out to jack on your TV (or Digital Device etc.)

Main Unit



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

2 DVD/CD Disc Drawer

3 Open/Close (⏏)

4 Play/Pause(▶/II)

5 Stop (■)

6 TUNING, Skip / Search (I◀◀ ▶▶I)

7 Function (F)
Selects the function and input source.
(DVD/CD, USB, AUX, AUX OPT, PORTABLE, FM, AM)

8 Volume (-/+)
Controls the volume when using any function.
When you press volume (-/+) on the unit, volume is increased or decreased only one step.

9 MIC 1/MIC 2
Connect a microphone to MIC 1 or MIC 2 to both sockets.
You cannot use the microphone when DivX files playback or you selet AUX OPT funciton.

10 PORT. (Portable) IN port
You can enjoy music from portable device on your unit.

11 USB port
You can play video, image and sound files by connecting the USB device.

Remote control



1

FUNCTION : Selects the function and input source. (DVD/CD, USB, AUX, AUX OPT, PORTABLE, FM, AM)

SLEEP : Sets the System to turn off automatically at a specified time. (Dimmer : The lighting of the touch buttons are turned off and the front panel display is dimmed.)

POWER : Switches the unit ON or OFF.

OPEN/CLOSE : Opens and closes the disc Drawer.

TITLE : If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may not appear.

DISPLAY : Accesses On-Screen Display.

MENU : Accesses the menu on a DVD disc.

SETUP : Accesses or removes setup menu

PRESET (∧ ∨) : Selects programme of Radio.
TUN. (-/+) : Tunes in the desired radio station.

∧ ∨ < > (up/ down/ left/ right): Used to navigate on-screen displays.

ENTER : Acknowledges menu selection.

2

RETURN (↶) : moving backwards in the menu.or exited the setup menu.

REC (●) : USB Direct Recording

STOP (■) : Stops playback or recording.

PLAY (►), MO./ST. : Starts playback. Selects Mono/ Stereo

PAUSE/STEP (❚❚) : Pause playback

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

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

Put the battery into the remote control

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

3

TV→HT SPK (Home theater Speaker ez Set-up) : Press TV→HT SPK to select the AUX OPT directly

MUTE : To mute the sound.

VOL (Volume) (+/-) : Adjusts speaker volume.

NIGHT : The night mode is to improve listenalbe at lower volumes. (NIGHT←→NATURAL)

SPECIAL EQ (EQUALIZER effect) : You can choose sound impressions.

REPEAT/RANDOM : To select a play mode. (Repeat, Random)

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

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

4

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

Controlling the TV.

You can control the sound level, input source, and power switching of LG TVs as well. Hold POWER (TV) and press PR/CH (+/–) button repeatedly until the TV turns on or off.

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

CLEAR : Removes a track number on the Program List.

RESOLUTION : Sets the output resolution for HDMI and COMPONENT VIDEO OUT jacks.

ECHO VOL. : Adjusts echo volume.

MIC VOL. : Adjusts microphone volume.

VOCAL FADER : You can enjoy the function as karaoke, by reducing singer vocal of music in the various source.

✶ **:** This button is not available.

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 21)	**∧ ∨ < 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**

Adjusting the general settings

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

Adjusting the settings - more you can do

Adjusting the language settings

Menu Language – Select a language for the Setup menu and on-screen display.

Disc Audio/ Disc Subtitle/ Disc Menu – Select a language for the Disc Audio/ Disc Subtitle/ Disc Menu.

[Original] : Refers to the original language in which the disc was recorded.
[Others] : 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 21). If you make a mistake before pressing ENTER, press CLEAR.
[Off] (for Disc Subtitle) : Turn off Subtitle.

Adjusting 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.

Adjusting 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.

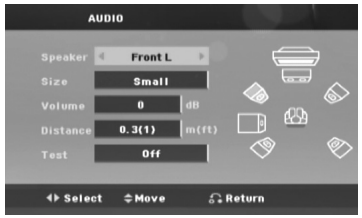
Vocal – Select [On] to mix karaoke channels into normal stereo.
This function is effective for multi-channel karaoke DVDs only.

HD AV Sync - Sometimes Digital TV encounters a delay between picture and sound. If this happens you can compensate by setting a delay on the sound so that it effectively 'waits' for the picture to arrive: this is called HD AV Sync. Use **∧ ∨** (on the remote control) to scroll up and down through the delay amount, which you can set at anything between 0 and 300m sec.

Semi Karaoke – When a chapter/ title/ track is fully finished, this function shows the score in the screen with a fanfare sound.
Available discs for the Semi Karaoke function: DVD discs/ DVD Karaoke Discs

[On] : When you finished singing a score will appear on the screen.
[Off] : Fanfare and score do not appears on the screen.
- This function operate on the DVD/CD mode.
- The Semi Karaoke function is available only when a microphone is connected.
- In case that a fanfare or score appears when a chapter of a movie file is changed during playback, set the Semi Karaoke to "Off" at the setup menu or disconnect the microphone.

5.1 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 5.1 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. The speaker size setting are fixed, so you cannot change the setting.	**< >**
7 If you connect speakers to your unit, setting the Distance lets the speakers to know how far the sound has to travel to reach your set listening point. This allows the sound from each speaker to reach the listener at the same time.	**< >**
8 Test the signals of each speaker: Adjust the volume to your taste according to these signals.	**< >**
9 Save your settings and exit the Setup menu:	**RETURN**

Adjusting 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** then correct it.
If you forget your password you can reset it. First, remove the disc in the unit. 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 21.

Adjusting the others settings

DivX(R) VOD – 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 [DivX(R) VOD] is highlighted and you can view the registration code of the unit.

Enjoying a pre-programmed sound field

This system has a number of pre-set surround sound fields. You can select a desired sound mode by using **SPECIAL EQ/ NIGHT**. You can change the **SPECIAL EQ/ NIGHT** using **< >** arrow key while the **SPECIAL EQ/ NIGHT** information is displayed on.
The displayed items for the Equalizer may be different depending on sound sources and effects.

ON DISPLAY	Description
NATURAL	You can enjoy comfortable and natural sound.
Local Specialization equalizer	Regionally optimized sound effect.(DANGDUT/ ARABIC/ PERSIAN/ INDIA/ REGUETON/ MERENGUE/ SALSA/ SAMBA)
AUTO EQ	Realizes the sound equalizer that is the most similar to the genre of which is included in the MP3 ID3 tag of song files.
POP CLASSIC JAZZ ROCK	This program lends an enthusiastic atmosphere to the sound, giving you the feeling you are at an actual rock pop, jazz or classic concert.
MP3 OPT	This function is optimized for compressible MP3, WMA file. It improves the bass sound.
BASS	Reinforce the treble, bass and surround sound effect.
CLEAR VOICE	This program make Voice sound clear, improving the quality of voice sound. (We encourage to use this EQ when you watch the movie of 5.1 channel.)
GAME EQ	You can enjoy more virtual sound while playing video games.
NIGHT MODE	This may be useful when you want to watch movies at low volums late at night.
CINEMA MODE	You can enjoy more virtual sound while watching movies.
VIRTUAL	You can enjoy more virtual surround sound.
PLII MOVIE PLII MUSIC PLII MTRX(matrix)	Dolby Pro Logic II enables you to play stereo source on 5-channel. (We encourage a person to use the PLII MTRX.)
NORMAL(OFF)	You can enjoy the sound without equalizer effect

Displaying Disc Information

	ON REMOTE
1 Press DISPLAY :	DISPLAY
2 Select an 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/ file) number/ total number of titles (or tracks/ files)



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 Insert a disc on unit :	⏏ OPEN/CLOSE
2 Select a DVD/CD :	FUNCTION
3 Adjust the menu settings : or Select a file from the menu :	∧ ∨ < > ∧ ∨
4 Start the Disc playing :	▶ PLAY
5 To stop the Disc playing :	■ STOP

Playing a Disc or file - more you can do

Playing a DVD that has a menu DVD

Most DVDs now have menus which load first before the film begins to play. You can navigate these menus using ∧ ∨ < > to highlight an option.
Press **PLAY** (▶) to select.

Skipping to the next/ previous chapter/ track/ file ALL

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

Pauseing 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 or randomly ALL

Press **REPEAT/RANDOM** repeatedly, and the current title, chapter or track will be played back repeatedly or randomly. To return to normal playback, press **REPEAT/RANDOM** repeatedly.
- Random play mode : only music files.

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 DivX

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** (▶) and **PLAY** (▶) to continue play at normal speed. The DivX file cannot be slow down reverse playback.

1.5 times faster playback DVD

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 screen. Press **PLAY** (▶) again to return to normal playback speed.
If you insert the microphone during "x1.5"speed playback, it returns to the normal play mode. This function is not operated when you cannot the microphone.

Viewing the Title menu DVD

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

Starting play from selected time DVD DivX

Searches for the starting point of entered time code. Press DISPLAY then select clock icon. Enter a time then press **ENTER**. For example, to find a scene at 1 hour, 10 minutes, and 20 seconds, enter "11020" by using numerical buttons 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 menu of files which you would like to play by pressing **MENU**. If "This file has non-supperted type" pops up, select and appropriate file by pressing **MENU**.

Viewing the DVD MENU DVD

Press **MENU** to display the disc menu, if available.

Changing the character set to display DivX® subtitle correctly DivX

If the subtitle does not display properly during playback, press and hold **SUBTITLE** for about 3 seconds then press **< >** or **SUBTITLE** to select another language code until the subtitle is displayed properly and then press **ENTER**.

DivX file requirement DivX

DivX disc compatibility with this player is limited as follows :

- Available resolution: within 720x576 (W x H) pixels
- The file name of the DivX subtitle should be entered within 45 characters.
- If there is impossible code to express in the DivX file, it may be displayed as " _ " mark on the display.
- Frame rate : less than 30 fps
- If the video and audio structure of recorded files is not interleaved, either video or audio is outputted.
- Playable DivX file : ".avi", ".mpg", ".mpeg", ".divx"
- Playable Subtitle format : SubRip (*.srt/ *.txt), SAMI (*.smi), SubStation Alpha (*.ssa/ *.txt), MicroDVD (*.sub/ *.txt), SubViewer 2.0 (*.sub/ *.txt)
- Playable Codec format : "DIVX3.xx", "DIVX4.xx", "DIVX5.xx", "MP4V3", "3IVX".
- Playable Audio format : "AC3", "DTS", "PCM", "MP3", "WMA".
- Sampling frequency : within 32 - 48 kHz (MP3), within 32 - 48kHz (WMA)
- Bit rate: within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
- For Discs formatted in Live file system, you can not it on this player.
- 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.
- If you play a DivX file differ from DivX spec, it may not operate normally.

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 musics on the disc. To add a music(s) on the program list, press **PROG/MEMO** to enter the program edit mode (mark appears on the menu). Select a desired music on the [List] by using the **Λ V** then press **ENTER** to add the music to the program list. Select music from the program list then press **ENTER** to start programmed playback. To clear a music from the program list, select the music you want to clear by using the **Λ V** then press **CLEAR** in program edit mode. To clear all music from the program list, select [Clear All] then press **ENTER** in program edit mode. The program is cleared when the disc is removed or the unit is turned off.

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 disc compatibility with this player is limited as follows :
- Sampling frequency : within 32 - 48 kHz (MP3), within 32 - 48kHz (WMA)
- Bit rate : within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
- Support Version : v2, v7, v8, v9
- Maximum files : Under 999.
- File extensions : ".mp3"/ ".wma"
- CD-ROM file format : ISO9660/ JOLIET
- We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.

VOCAL FADER

You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. (MP3/ WMA/ CD) Press the **VOCAL FADER**, and "FADE ON" will appear in display window.
To cancel it, press **VOCAL FADER** again.
- This function is available to use only when a microphone is connected.
- The quality of the **VOCAL FADER** may be different depending on the recording conditions of music files.
- It is not available on the MONO mode.

Viewing photo files

	ON REMOTE
1 Insert a disc on unit :	⏏ OPEN/CLOSE
2 Select a DVD/CD :	FUNCTION
3 Select a photo file :	Λ V
4 Display the selected file in full screen :	▶ PLAY
5 To return to the menu :	■ STOP

Viewing photo files - more you can do

Viewing photo files as a slide show

Use **Λ V < >** to highlight ( ) icon then press **PLAY** (▶) to start slide Show. You can change slide show speed using **< >** when ( ) icon is highlighted. Depending on the size and resolution of JPEG files, it may take longer for slide show to be set.

Skipping to the next/ previous photo

Press **SKIP** (**I◀◀** or **▶▶I**) or **< >** to view the previous/ next photo.

Rotating a photo

Use **Λ V** to rotate the photo in full screen counterclockwise or clockwise while viewing a photo in full screen.

Pausing a slide show

Press **PAUSE/STEP** (**▮▮**) to pause a slide show. Press **PLAY** (▶) or **PAUSE/STEP** (**▮▮**) to continue the slide show.

Listening to music during slide show

You can listen to music during slide show, if the disc contain music and photo files together. Use **Λ V < >** to highlight ( ) icon then press **PLAY** (▶) to start slide show. This function is available only in disc.

Photo file requirement

JPEG disc compatibility with this player is limited as follows :
- Max pixel in width : 2760 x 2048 pixel
- Maximum files : Under 999.
- Some discs may not operate due to a different recording format or the condition of disc.
- File extensions: ".jpg"
- CD-ROM file format : ISO9660/ JOLIET

Listening to the radio

Be sure that both FM and AM aerials are connected.

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

Listening to the radio - more you can do

Looking 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.

Deleting all the saved stations

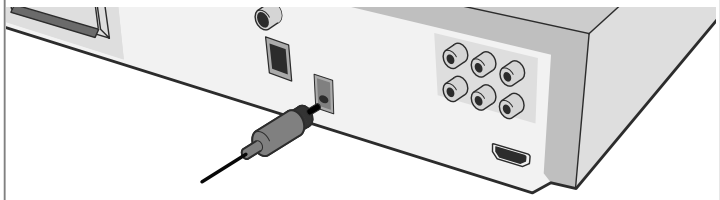
Press and hold **PROG./MEMO**. for two seconds. ERASE ALL will flash up on the DVD receiver display. Press **PROG./MEMO**. to erase all saved radio stations.

Improving poor FM reception

Press **PLAY (▶) (MO./ST.)** on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

Home theater Speaker ez Set-up

Listen to sound from TV, DVD and Digital Device with 5.1(2.1 or 2)ch mode. Even in power off mode, if you press TV→HT SPK, then power is on and automatically changed to AUX OPT mode.



	ON REMOTE
1 Connect the unit's OPTICAL IN jack to jack on optical out of your TV (or Digital Device etc.).**:**	**-**
2 Select the AUX OPT: To select the AUX OPT directly	**TV→HT SPK**
3 Listen sound with 5.1(2.1 or 2)ch speaker.:	**-**
4 To escape from AUX OPT: Function is retuned to previous one.	**TV→HT SPK**

Using an USB device

You can enjoy media files saved on an USB device by connecting the USB device to the USB port of the unit.
If you want to operate other function, see the CD playback section.

	ON REMOTE
1 Connect the USB device to the USB port of the unit.	-
2 Select the USB function	FUNCTION
3 Select a file you want to play	∧ ∨
4 Start your media playing	▶ PLAY
5 To stop, press	■ STOP
6 Before disconnecting the portable USB device, change to any other function.	FUNCTION

Compatible USB Devices

- MP3 Player : Flash type MP3 player.
- USB Flash Drive : Devices that support USB2.0 or USB1.1.
- The USB function of this unit does not support all USB devices.

USB device requirement

- Devices which require additional program installation when you have connected it to a computer, are not supported.

Look out for the follows.

- **Do not extract the USB device while in operation.**
- For a large capacity USB, it may take longer than a few minute to be searched
- To prevent data loss, back up all data.
- If you use a USB extension cable or USB hub, the USB device is not recognized.
- Using NTFS file system is not supported. (Only FAT(16/32) file system is supported.
- This unit is not supported when the total number of files is 1000 or more.
- External HDD, Card readers, Locked devices, or hard type usb devices are not supported.
- USB port of the unit cannot be connected to PC. The unit can not be used as a storage device.

Recording to USB

	ON REMOTE
1 Connect the USB device to the unit	-
2 Select a mode in which you want to record (ex. CD/ TUNER....)	**FUNCTION**
Play back a sound source first If you want to record desired music file in Disc to USB, record after playing back the file.	**∧ ∨ and ▶ PLAY**
3 Start the recording	● **REC**
4 To stop recording, press	■ **STOP**

Recording to USB - more you can do

Recording Music file in disc source to USB

One track recording

If the USB recording is played during playback of the CD, the one track/ file would be recording into the USB.

All tracks recording

If the recording button is pressed at the CD stop, all tracks/ files would be recording.

- The files in the sub-folders are not recorded during all track recording.
- If you want to all tracks recording during playback, press stop twice. check the "■" on the screen.

Program list recording

USB records after creating your own program if you want to record the track you want (AUDIO CD Only).

When you are recording, look out for the following

- You can check the recording percentage rate for the USB record on the screen during the recording.(AUDIO CD or MP3/ WMA CD only)
- During recording MP3/ WMA, there is no sound.
- When you stop recording during playback, the file that has been recorded at that time will be stored.(AUDIO CD Only)
- Do not remove the USB device during USB recording. If not, an incomplete file may be made and not deleted on PC.
- Recording through microphones is not available.
- If USB recording does not work, the message like "NO USB", "ERROR", "USB FULL" or "NO REC" is displayed on the display window.
- Multi card reader device or external HDD can not be used for USB recording.
- A file is recorded by 128Mbyte (about 2 hours) when you record for a long term. There are recorded less than 4 files.
- When you stop recording during playback, the file will not be stored.
- In the state CD-G, DTS disc USB record is not operated
- You may not record more than 999 files.
- **It'll be stored as follows.**

AUDIO CD	MP3/ WMA	The other sources (Tuner, AUX, Portable)
CD_REC TRK_001 TRK_002	FILE_REC 001_ABC(File name) 002_DEF(File name)	EXT_REC AUDIO_001 AUDIO_002

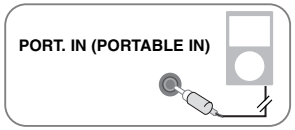
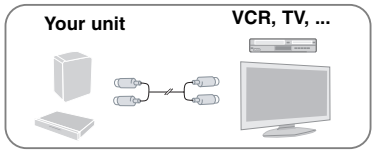
The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offense. This equipment should not be used for such purposes.

Be responsible

Respect copyrights

Listening to music from your portable player or external device

The unit can be used to play the music from many types of portable player or external device.

	ON REMOTE
1 Connect the portable player to the **PORT.IN(PORTABLE IN)** connector of the unit.  **Or** **Connect** the external device to the **AUX** connector of the unit. > If your TV has only one output for audio(MONO). connect it to the left(white) audio jack on the unit.  	-
2 Turn the power on	**POWER**
3 Select the PORTABLE or AUX function	**FUNCTION**
4 Turn the portable external device and start it playing	**-**

Other operations

Fall asleep while listening to your player

Press **SLEEP** one or more times to select delay time between 10 and 180 minutes, after the player will turn off.
To check the remaining time, press **SLEEP**. To cancel the sleep function, press **SLEEP** repeatedly until “SLEEP 10” appears, and then press **SLEEP** once again while “SLEEP 10” is displayed.

DIMMER

Press **SLEEP** once. The LED (Light-emitting diode) of front panel is turned off and the display window will be darken by half. To cancel it, press **SLEEP** repeatedly until dim off.

Screen Saver

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

System Select - Optional

You must select the appropriate system mode for your TV system. If “NO DISC” appears in the display window, press and hold **PAUSE/STEP (II)** on the remote control for more than five seconds to be able to select a system. (PAL/NTSC)

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	uaw
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 17 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 : Music CDs or CD-R/ CD-RW in music CD format that can be purchased.	

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", "Pro Logic", 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 and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

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 U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. 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	3.7 kg
External dimensions (W x H x D)	430 x 73 x 303 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	87.5 - 108.0 MHz
FM Intermediate Frequency	128 kHz
AM Tuning Range	522 - 1,620 kHz, 520 - 1,710 kHz or 522 - 1,710kHz
AM Intermediate Frequency	45 kHz

Amplifier

Stereo mode	155 W + 155 W (4Ω at 1 kHz, THD 10 %)
Surround mode Front	155 W + 155 W (THD 10 %)
Center*	155 W
Surround*	155 W + 155 W (4Ω at 1 kHz, THD 10 %)
Subwoofer*	225 W (3Ω at 30 Hz, THD 10 %)

Wireless Receiver

Power requirements	Refer to main label
Power consumption	Refer to main label
External dimensions (WxHxD)	64x213.6x252.3 mm
Net Weight	1.2 kg
Reception Output	2.4 GHz

Designs and specifications are subject to change without prior notice.

Specifications

Speakers (HW964TZ)

	Front Speaker	Rear speaker
Type	2 Way 3 Speaker	2 Way 3 Speaker
Impedance	4 Ω	4 Ω
Rated Input Power	155 W	155 W
Max. Input Power	310 W	310 W
Net Dimensions (W x H x D)	300 x 1265 x 300 mm	300 x 1265 x 300 mm
Net Weight	5.0 kg	4.7 kg
	Center Speaker	**Passive Subwoofer**
Type	2 Way 3 Speaker	1Way1Speaker
Impedance	4 Ω	3 Ω
Rated Input Power	155 W	225 W
Max. Input Power	310 W	450 W
Net Dimensions (W x H x D)	350 x 105 x 88 mm	216 x 405 x 360 mm
Net Weight	1 kg	7.3 kg

Speakers (HW964PZ)

	Front Speaker	Rear speaker
Type	2 Way 3 Speaker	2 Way 2 Speaker
Impedance	4 Ω	4 Ω
Rated Input Power	155 W	155 W
Max. Input Power	310 W	310 W
Net Dimensions (W x H x D)	300 x 1265 x 300 mm	115 x 270 x 115 mm
Net Weight	5.0 kg	0.8 kg
	Center Speaker	**Passive Subwoofer**
Type	2 Way 3 Speaker	1Way1Speaker
Impedance	4 Ω	3 Ω
Rated Input Power	155 W	225 W
Max. Input Power	310 W	450 W
Net Dimensions (W x H x D)	350 x 105 x 88 mm	216 x 405 x 360 mm
Net Weight	1 kg	7.3 kg