HT953TV-AP_BAUSLL_ENG_1720 4/16/08 8:25 PM Page 1

LG Model: HT953TV(HT953TV, SH93TV-S/C/A, ST3TV)

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.

Unique Features	HDMI In	Full HD up-scaling (1080p)	5.1ch ez Set-up
	Simple connection with Set Top Box through HDMI.	View Full HD picture quality with simple setup.	Listen to sound from TV, DVD and Digital Device with vivid 5.1ch mode.
	Go to page 7	Go to page 11	Go to page 16
USB Direct Recording	**Portable In**	**Made for iPod**	
Record music from CD to your USB device.	Listen to music from your portable device (MP3, Notebook, etc).	Enjoy music from iPod with simple connection.	
Go to page 18	Go to page 18	Go to page 19	

P/NO : MFL49511720

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.



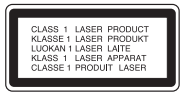
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

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.

- The appliance is not intended for use by young children or infirm persons without supervision.
- Young Children should be supervised to ensure that they do not play with appliance.
- If the appliance is supplied from a cord extension set or an electrical portable outlet device, the cord extension set on electrical portable outlet device must be positioned so that it is not subject to splashing or ingress of moisture.

Welcome to your new DVD Receiver

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SIMPLINK
Easy LG TV Control

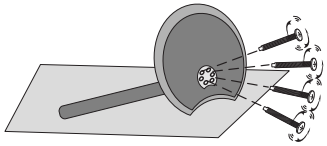
What is SIMPLINK?

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

Setting up
Installing the unit

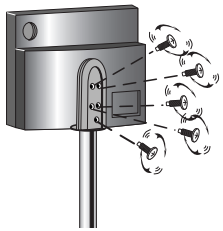
Mount the stand on the base and tighten 4 screws (5 x 70) on the bottom side of the base.



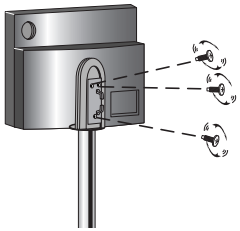
Fix the bracket on the stand using the 4 screws (5 x 20).



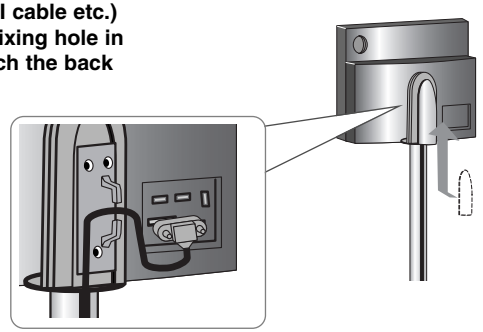
To fix the unit tighten 5 screws (3 x 14) on the rear side of the stand.



Fix the cable holder and the stand and tighten 3 screws (4 x 6) on the rear side of the stand.



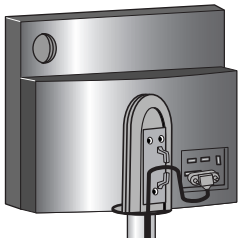
Push the cables (system cable and HDMI cable etc.) into the cable fixing hole in the stand. Attach the back cover.

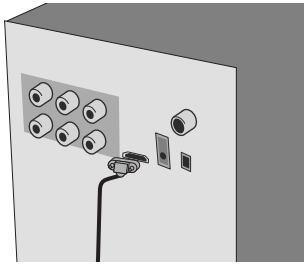


Insert the cable holder in the hole on the stand.



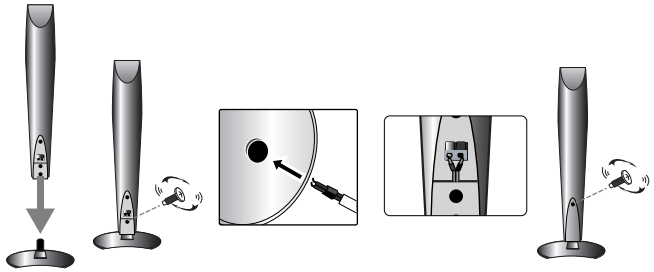
Connecting the active woofer to the unit.
- Connect one end of the system cable into the system jack on the unit. Connect the other end of the system cable into the system jack on the rear of the active woofer





Setting up

The speakers are detached from the speaker stands.



Assembling the Speakers

1 Fix the speaker and the stand by inserting the 1 screws in the speaker holes.

2 Draw the speaker cable through the hole on the speaker.

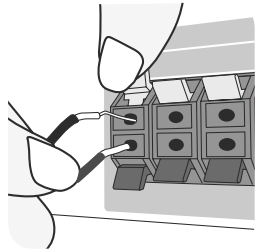
3 Connect the speaker cable.

4 Attach the back cover by rotating the screw.

Attaching the speakers to the active woofer

1 Connect the wires to the active woofer.
To connect the cable to the active woofer, press each plastic finger pad to open the connection terminal. Insert the wire and release the finger pad.

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



2 Connect the wires to the speakers.
Connect the other end of each wire to the correct speaker:

SPEAKER	POSITION
Rear	Behind you and to your right.
Rear	Behind you and to your left.
Centre	Above screen, directly in front of you.
Front	In front of you, to the right of the screen.
Front	In front of you, to the left of the screen.

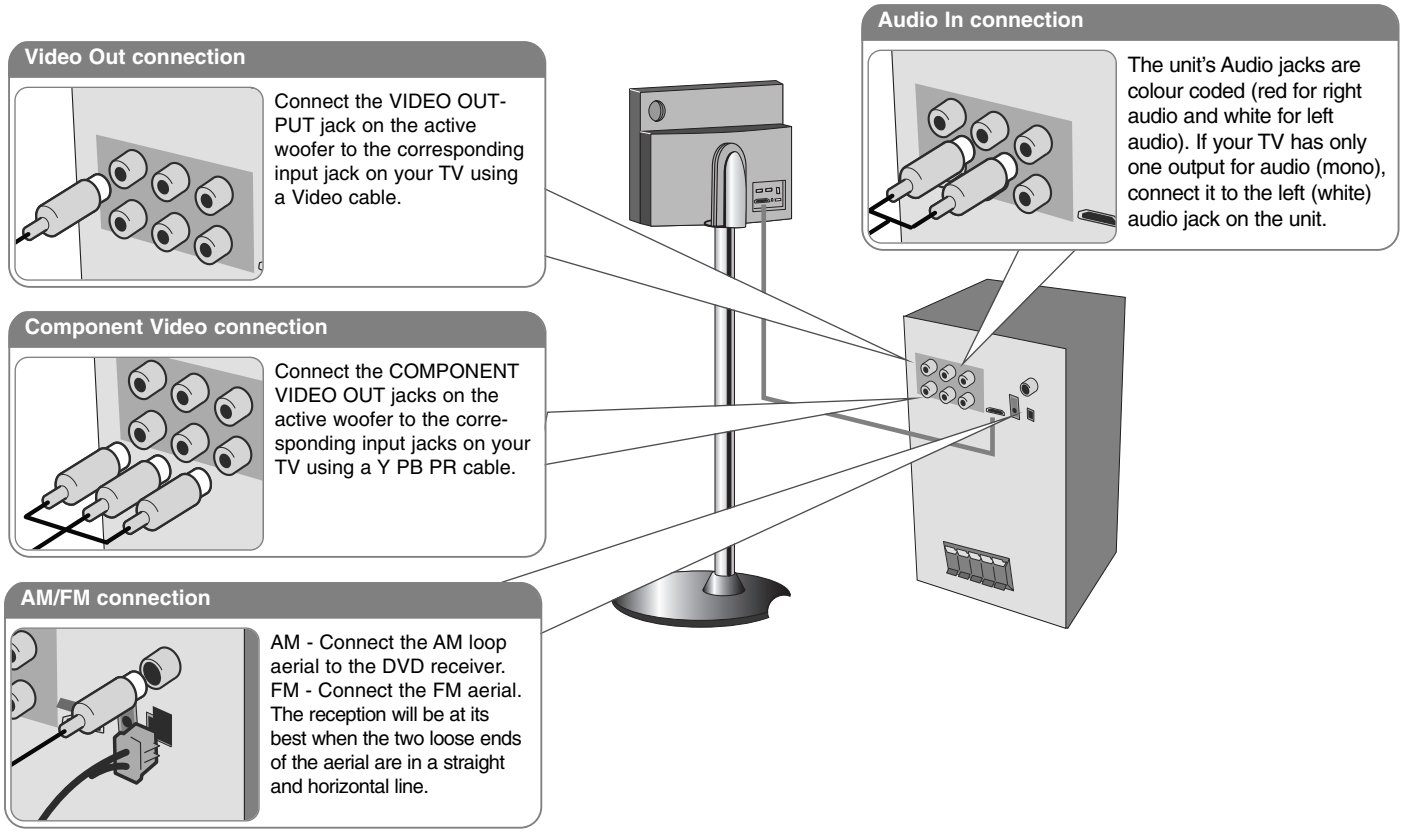
To connect the cable to the speakers, press each plastic finger pad to open the connection terminals on the base of each speaker. Insert the wire and release the finger pad.

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 hole in the speaker cabinet (enclosure) that improves.

Hooking up the unit

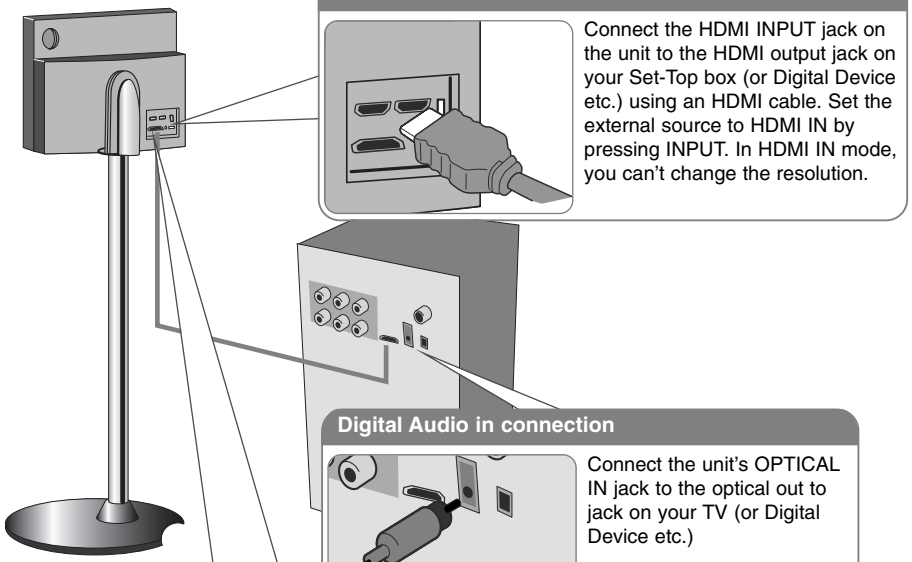
1 **Connect jacks on the unit (or active woofer)and your TV (DVD player or Digital Device etc.) using the cables.**



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

Hooking up the unit

After push the cables (system cable and HDMI cables etc.) into the cable fixing hole in the stand, attach the back cover.



HDMI In connection

Connect the HDMI INPUT jack on the unit to the HDMI output jack on your Set-Top box (or Digital Device etc.) using an HDMI cable. Set the external source to HDMI IN by pressing INPUT. In HDMI IN mode, you can't change the resolution.

Digital Audio in connection

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

HDMI Out connection

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

Hooking up the unit - more you can do

Resolution Setting

You can change the resolution for component video and HDMI output.
To change the resolution using setup menu to select the desired resolution - Auto, 480i(576i), 480p(576p), 720p, 1080i, 1080p.

Available resolution according to connection

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

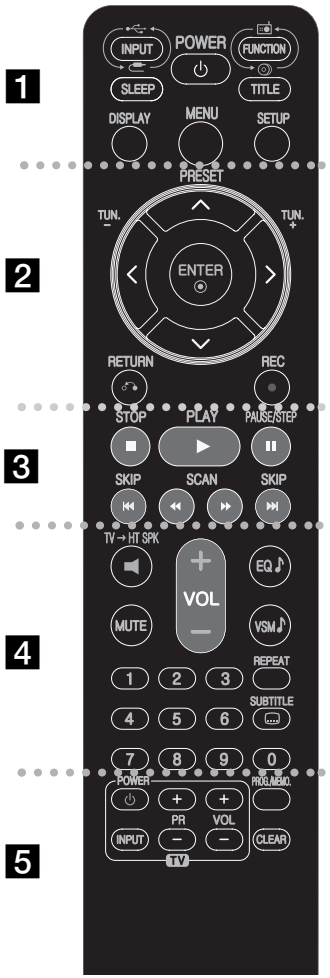
Notes on HDMI Out connection

- If your TV does not accept your resolution setting, abnormal picture appears on the screen.
  Please read owner's manual for TV, and then set the resolution that your TV can accept.
- Use the HDMI cable that is no longer than 5 meters
- If the volume bar is not displayed on TV screen, when you select Simplink to off on TV, restart the unit.

Enjoying audio from an external source

You can enjoy audio from an external source through your unit.
Press INPUT repeatedly to select the desired input source. - AUX, AUX OPT, PORTABLE, HDMI IN, USB, OSD IPOD, IPOD

Remote control



● ● ● ● ● ● ● ● **1** ● ● ● ● ● ● ● ● ●

INPUT : Changes the input source (AUX, AUX OPT, PORTABLE, HDMI IN, USB, OSD IPOD, IPOD)
SLEEP : Sets the System to turn off automatically at a specified time. (Dimmer : Dims the display window and LED (Light-emitting diode) of front panel by half in power-on status.)

POWER: Switches the unit ON or OFF. Moving into the Power save mode.

FUNCTION : Selects the function (DVD/CD, FM, AM)
TITLE : If the current DVD title has a menu, the title menu appears on the screen.

DISPLAY: Accesses On-Screen Display.

MENU : Accesses the menu on a DVD disc.

SETUP : Accesses or removes setup menu

● ● ● ● ● ● ● ● **2** ● ● ● ● ● ● ● ● ●

PRESET(▲/▼): Selects programme of Radio.
TUN.(-/+): Tunes in the desired radio station.
◄ / ► / ▲ / ▼ (left/right/up/down): Used to navigate on-screen displays.

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

REC (●) : USB Direct Recording

● ● ● ● ● ● ● ● **3** ● ● ● ● ● ● ● ● ●

STOP (■): Stops playback or recording.

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

PAUSE/STEP (❚❚): Pause playback

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

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

● ● ● ● ● ● ● ● **4** ● ● ● ● ● ● ● ● ●

TV→HT SPK (5.1Ch Ez Set-Up): Press TV→HT SPK to select the AUX OPT directly

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

VOLUME (+/-) : Adjusts speaker volume.

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

VSM : Press **VSM** to set the Dolby Pro Logic II or VIRTUAL sound.

REPEAT: Repeats a Chapter/ Track/ Title/ all.
SUBTITLE: During playback, press SUBTITLE repeatedly to select a desired subtitle language .

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

● ● ● ● ● ● ● ● **5** ● ● ● ● ● ● ● ● ●

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

PROG./MEMO. : Accesses or removes Program menu.
CLEAR: Removes a track number on the Program List.

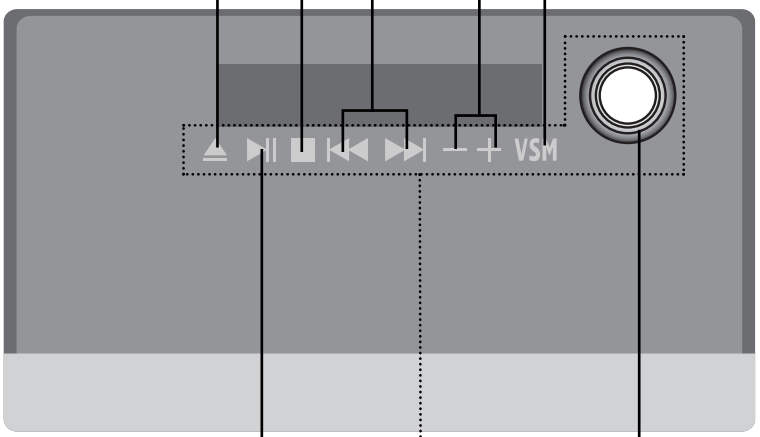
Put the batteries into the remote control

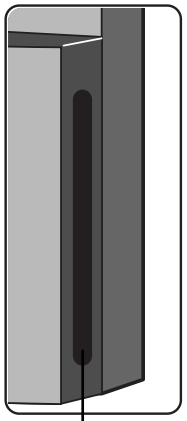
Make sure that the + (plus) and – (minus) on the batteries match those on the remote control.

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 (+/–) button repeatedly until the TV turns on or off.

Main Unit





Tuning (-/+)
Skip / Search

Stop

EJECT

Volume
Control the volume when using any function.

VSM
Selects the Dolby Pro Logic II or Virtual sound.

Play/Pause, Function
Press and hold down this button for about 3 seconds then press repeatedly to select other function.

Disc slot

Power
Turn the unit on and off. Moving into the Power save mode.

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.

OSD Initial language settings - optional

Before using the unit for the first time, you have to adjust OSD initial language.

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

Initial Setting of the Area Code

After factory setting, To set the Area code you have to as below.

	ON REMOTE
1 **Display setup menu:**	**SETUP**
2 **Select LOCK menu on the first level:**	**▲▼**
3 **Move to second level:** Reveals the activated Area code on the second level.:	**►**
4 **Move to third level:**	**►**
5 **Enter the new password:**	**numerical buttons (0-9) and ENTER**
6 **Recheck 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 20)	**▲▼◄►**
8 **To confirm 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.
If there is displayed as a "-" or other error mark on display when you change OSD, do as follows;
- 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 20). 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.

Video Resolution - Use ▲▼ to select the desired resolution then press ENTER to confirm your selection.

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

The number in 480p (or 576p), 720p, 1080p and 1080i indicates the number of lines of video. The "i" and "p" indicate interlaced and progressive scan, respectively.

[Auto] If your HDMI jack is connected to TVs providing display information (EDID), automatically selects the resolution best suited to the connected TV (1080p, 1080i, 720p or 480p (or 576p)). (only for HDMI connection)
[1080p] Outputs 1080 lines of progressive video. (only for HDMI connection)
[1080i] Outputs 1080 lines of interlaced video.(only for HDMI connection)
[720p] Outputs 720 lines of progressive video.(only for HDMI connection)
[480p (or 576p)] Outputs 480 (or 576) lines of progressive video.
[480i (or 576i)] Outputs 480 (or 576) lines of interlaced video.

Notes on Video Resolution

- Only resolutions supported by the TV are available.
- Depending on your TV, certain HDMI output resolutions may not work.
- If your TV does not accept your resolution setting, an abnormal picture appears on the screen. Please read TV's owner's manual then set the resolution that your TV can accept.
- If the HDMI jack is connected for TVs providing display information (EDID), you can not select resolutions that the TV does not accept.
- If the picture does not appear on the screen, change the TV's input source.
- If you turn off the TV or disconnect the HDMI cable during playback of the device, then playback may pause. You have to click on the play button to play back again. For some TVs, when you change the TV mode, the same condition specified above may happen.

Adjust the audio settings

5.1 Speaker Setup - Adjust 5.1 Speaker Setup menu for amplifier's output.

[Speaker]: Select a speaker that you want to adjust.
[Size]: Since the speaker settings are fixed, you cannot change the settings.
[Volume]: Adjust the output level of the selected speaker. (-5dB ~ 5dB)
[Distance]: If you connected speakers to your DVD/CD Receiver, setting the Distance lets the speakers know how far the sound has to travel to reach your set listening point. This allows the sound from each speaker to reach the listener at the same time.
Press ◄ / ► to adjust the Distance of the selected speaker. (You can't adjust front / Woofer speakers)
[Test]: Press ◄ / ► to test the signals of each speaker. Adjust the volume to match the volume of test signals memorized in the system.

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 ▲▼ to scroll up and down through the delay amount, which you can set at anything between 0 and 300m sec.
The delay will vary depending on which digital TV channel you are on. If you change channel you may need to readjust the HD AV Sync.

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. Enter it again to verify. If you make a mistake while entering the numbers, 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 20.

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) and Dolby Pro Logic II

You can select the Dolby Pro Logic II or Virtual sound. Press VSM to set the virtual sound or to change sound mode repeatedly. (This function does not operate when you select AUX or Tuner functions. VSM is not available during DivX file and DVD Audio playback.)

[BYPASS] mode : Software with multichannel surround audio signals is played according to the way it was recorded.

2Ch source

[PL II MOVIE] mode: The Movie mode is for use with stereo television shows and all programs encoded in Dolby Surround. The result is enhanced sound field directionality that approaches the quality of discrete 5.1-channel sound.
[PL II MUSIC] mode: The Music mode is for use with any stereo music recordings.
[PL II MATRIX] mode: The Matrix mode is the same as the Music mode except that the directional enhancement logic is turned off. It may be used to enhance mono signals by making them seem "larger." The Matrix mode may also find use in auto systems, where the fluctuations from poor FM stereo reception can otherwise cause disturbing surround signals from a logic decoder. The ultimate "cure" for poor FM stereo reception may be simply to force the audio to mono.
[ON STAGE] mode: Simulates a large Concert hall
[VIRTUAL] mode: 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.

5.1Ch source

[VIRTUAL] mode: The Multichannel sound changes the sound in 5.1 ch into a virtual one in the 10.1 ch so that it provides such a feeling that you listen to the sound simultaneously from the right and left speakers and center speaker.

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 on MP3/ WMA files which include the information. (ID3 Tag ver.1 only.) WMA file defaults 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 or 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



Moving to another GROUP (in case of DVD Audio Disc)



Viewing another PAGE (in case of DVD Audio Disc)



Current title (or track) number/total number of titles (or tracks) (in case of DVD Audio Disc)

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 in the slot: (On unit)	-
2 Adjust the menu settings: or Select a file from the menu:	▲▼◄► ▲▼
3 Start the Disc playing:	► PLAY
4 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'S 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 (II) to pause playback. Press PLAY (►) to continue playback.

Frame-by-Frame playback DVD DivX

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

Playing repeatedly ALL

Press REPEAT repeatedly to select an item to be repeated. The current title, chapter, group 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 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. This function does not operate during DVD Audio disc playback

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 at the 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 a wrong number, press CLEAR and enter the number 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 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 subtitles do not display properly during playback, press and hold SUBTITLE for about 3 seconds then press SUBTITLE 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 can be up to 45 characters.
- If there is an impossible code to express in the DivX file, it may be displayed as a " _ " mark on the display.
- If the number of the screen frames is over 30 per 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 the movie file is different from that of the subtitle file,during playback of a DivX file, subtitle may not be displayed.
- MPEG4 file extensions: “.avi”, “.mpg”, “.mpeg”
- Playable DivX subtitle: SubRip(*.srt/*.txt), SAMI(*.smi), SubStation Alpha(*.ssa/*.txt) MicroDVD(*.sub/*.txt) SubViewer 2.0(*.sub/*.txt) TMPlayer(.txt), DVD Subtitle System(.txt) (Files (VobSub(.sub)) included with USB device is not supported)
- Playable Codec format: “DIVX3.xx”, “DIVX4.xx “, “DIVX5.xx”, “MP43”, “3IVX”
- Playable Audio format: “AC3”, “DTS”, “PCM”, “MP3”, “WMA”
- Sampling frequency: within 32 - 48 kHz (MP3), within 24 - 48kHz (WMA)
- Bit rate: within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
- CD-R/RW, DVD±R/RW Format: ISO 9660
- Maximum Files/Disc: Less than 999 (total number of files and folders)

Displaying file information (ID3 TAG) MP3

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

Screen Saver

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

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

You can play the contents of a disc in the order you want by arranging the playback 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.

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 24 - 48kHz (WMA)
- Bit rate: within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
- CD-R/RW, DVD±R/RW Format: ISO 9660
- Maximum Files/Disc: Less than 999 (total number of files and folders)

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 (❚❚) on the remote control for more than five seconds to be able to select a system.

Power Save Mode

You can set up the unit into an economic power save mode.
In power-on status, press and hold POWER for about 3 seconds.
- Nothing is displayed in the LED when the unit is turned off.
  To cancel, press POWER.

Viewing photo files

	ON REMOTE
1 Insert a Disc in the slot: (On unit)	**-**
2 Select a photo file:	**▲▼**
3 Display the selected file in full screen:	**ENTER**
4 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"
- Photo size: Normal - within 5120 x 3840 (W x H) pixels.
  Progressive - within 2048 x 1536 (W x H) pixels
- CD-R/RW, DVD±R/RW Format: ISO 9660
- Maximum Files/Disc: Less than 999 (total number of files and folders)

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 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

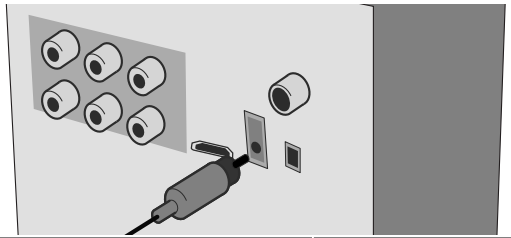
Press and hold PROG./MEMO for two seconds. ERASE ALL will flash up on the DVD receiver display. Press PROG./MEMO to erase all saved radio stations.

Improve poor FM reception

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

5.1ch ez Set-up

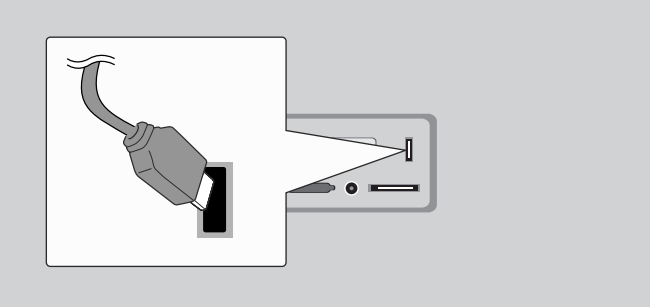
Listen to sound from TV, DVD and Digital Device with vivid 5.1ch mode. Even in power off mode, if you press TV→HT SPK, then power is on and automatically changed to AUX OPT mode.



	ON REMOTE
1 Connect the active woofer's OPTICAL IN jack to the optical out jack 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 5.1ch speaker.:	**-**
4 To escape from AUX OPT	**FUNCTION or INPUT**

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:**	►
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.
- In case of Multi card reader, video files can not be played.

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 then start the recording:**	● ▲▼ **and** ●
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 - Only the selected CD track would be recorded into the USB

All track recording - If the REC button is pressed at the CD stop, all tracks would be recorded.

Program list recording - USB Records after selecting the tracks by pressing the PROG./MEMO. button if you want to record the track you want.

When you are recording, look out for the following

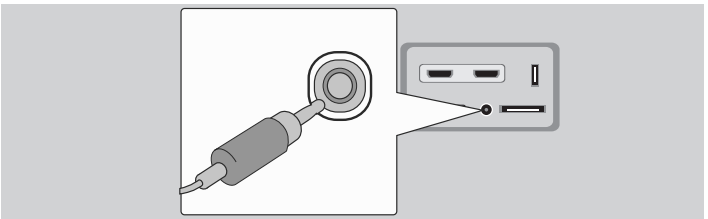
- Do not remove the USB device during USB recording. If done, an incomplete file may be made and not able to be deleted on PC.
- When you start the USB direct recording, you can check the Recording percentage rate for the USB record on the display window during the recording.
- During the recording there is no sound and volume does not operate.
- When you stop recording during playback, the file that has been recorded at that time will be stored
- It is impossible to record from " MIC IN"
- Playable USB REC. Bit rate : 96/128kbps (Refer to the SET UP page)
- During USB record you 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 as a format "TRK-001.mp3".
- In the state CD-G, DTS disc USB Record is not operated.
- 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, Multi Card reader, Locked device and MP3 player is not supported.
- When a HDMI cable is connected or TV is turned off and then on if TV mode is set to HDMI mode, nothing may be displayed on screen during USB recording.To solve the problem, stop the USB direct recording.

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 offence. This equipment should not be used for such purposes.

Be responsible Respect copyrights

Listening to music from your portable player

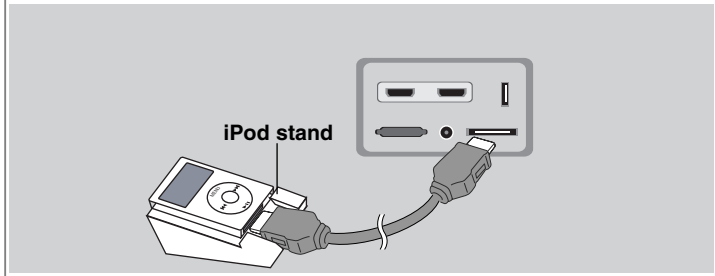
The player can be used to play the music from many types of portable player



	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:**	**-**

Listening to music from your iPod

iPod mode: You can operate your iPod by using the supplied remote control and controls on your iPod. TV screen is turned off. iPod will not be charged when selecting the iPod mode. But you can enjoy better sound quality.
OSD iPod mode: You can operate your iPod by controlling OSD menu on the TV screen with supplied remote control. The controls on your iPod are not operational in the OSD iPod mode. If you want to charge the iPod while listening music, selects the OSD iPod mode.



	ON REMOTE
1 **Connect** the iPod by plugging the unit into iPod on the rear of the unit.:	-
2 **Turn the power on:**	**POWER**
3 **Select the iPod or OSD iPod function:**	**INPUT**
4 **Select the menu:**	**▲▼ ENTER**
5 **Select a file:**	**▲▼**
6 **Start the file playing:**	**► PLAY or ENTER**
7 **To stop the file playing:**	**■ STOP**
8 **Before disconnecting** the iPod, change to any other function by pressing:	**FUNCTION or INPUT**
9 **Remove** the iPod:	-

Listening to music from your iPod - more you can do

Pause playback OSD iPod mode iPod mode

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

Skip to the next/previous file OSD iPod mode iPod mode

Press SKIP (►►I) to move to the next file.
Press SKIP (I◄◄) to return to the beginning of the current file.
Press SKIP (I◄◄) twice briefly to step back to the previous file.

Fast forward or fast reverse OSD iPod mode iPod mode

During playback, press and hold SCAN (◄◄ or ►►) and then release at the point you want.

Playing repeatedly OSD iPod mode

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].

iPod message OSD iPod mode

"Please, check your iPod" - If the power of your iPod is insufficient or the iPod is misconnected or unknown device. Reset the iPod if the iPod is not operating normally (Refer to http://www.apple.com/support/)

Compatible iPod

- When the unit is connected with dock connector it may result in malfunctions
- Compatibility with your iPod may vary depending on the type of your iPod.
- Depending on your iPod's software version, it may not be possible to control your iPod from the unit. We recommend installing the latest software version.

When you use iPod, look out for the following

- Interference may happen depending on iPod devices.
- The video or photo file is not displayed.
- The jack for the iPod cable of docking station are keyed so that the cable connectors only connect in one way. Connect the end on the cable with the marked "▼" facing downwards to rear on the unit.

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	Javanese	7487	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 16 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.

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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	10.6 kg (unit: 2.7 kg, stand: 7.9 kg)
External dimensions (W x H x D)	380 x 1022 x 331 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/AM [MW]

FM Tuning Range	87.5 - 108.0 MHz
FM Intermediate Frequency	10.7 MHz
AM Tuning Range	522 - 1,620 kHz
AM Intermediate Frequency	450 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 %)

Speakers

	Front/Rear Speaker	Center speaker	active Subwoofer
Type	2 Way 3 Speaker	2 Way 3 Speaker	1Way1Speaker
Impedance	4 Ω	4 Ω	3 Ω
Rated Input Power	155 W	155 W	-
Max. Input Power	310 W	310 W	-
Net Dimensions (W x H x D)	300 x 1260 x 285 mm	400 x 110 x 95 mm	245 x 415 x 435 mm
Net Weight	6.5 kg	2.3 kg	13.2 kg

Designs and specifications are subject to change without prior notice.

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