


|  |   |
|--|---|
| <b>Unique Features</b>                   | <b>5.1ch ez Set-up</b>  |
|  | Listen sound from TV, DVD and Digital Device with vivid 5.1ch mode.<br><b>Go to page 14</b> |
| <b>USB Direct Recording</b>              | <b>Portable In</b>  |
| Record music from CD to your USB device. | Listen to music from your portable device (MP3, Notebook, etc).                             |
| <b>Go to page 16</b>                     | <b>Go to page 16</b>  |


P/NO : MFL56941180

## 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.

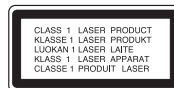
**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

**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.

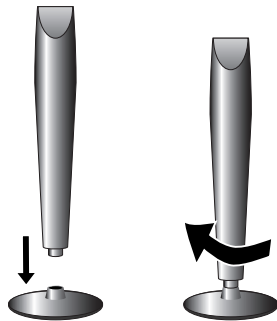
# Welcome to your new DVD Receiver

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## Setting up

The speakers are detached from the speaker stands.



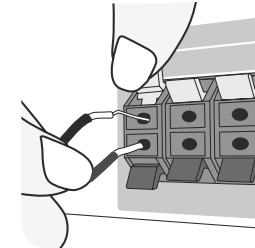
### Assembling to the Speakers

Fix the speaker to the base by rotating the speaker

## Attaching the speakers to the DVD receiver

- 1 You will have received six speaker cables.**  
Each one is colour-coded by a band near each end and connects one of the six 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 red end of each wire to the terminals marked +(plus) and the black end to the terminals marked -(minus).



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

| COLOUR | SPEAKER    | POSITION                                     |
|--------|------------|--|
| Grey   | Rear       | Behind you and to your right.                |
| Blue   | Rear       | Behind you and to your left.                 |
| Green  | Centre     | Above screen, directly in front of you.      |
| Orange | Sub Woofer |  |
| Red    | Front      | In front of you, to the right of the screen. |
| White  | 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.

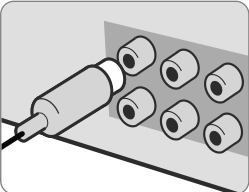
### Be careful of the following

Be careful to make sure children do not put their hands or any objects into the \*speaker duct.  
\*Speaker duct: A hall for plentiful bass sound on speaker cabinet(enclosure).

## Hooking up the unit

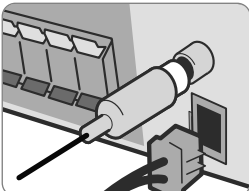
**1** Connect jacks on the unit and your TV (DVD player or Digital Device etc.) using the cables.

**Video Out connection**



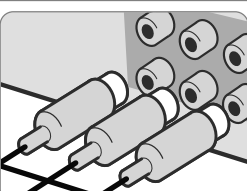
Connect the VIDEO OUTPUT (MONITOR) jack on the unit to the corresponding input jack on your TV using a Video cable.

**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.

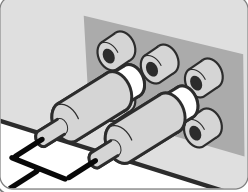
**Component Video connection**



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.

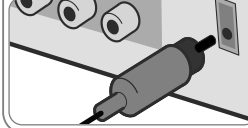
- If your TV accepts progressive format signals, you must use this connection and set [Progressive Scan] in [Display] setup to [On] (See page 9).

**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 input for audio (mono), connect it to the left (white) audio jack on 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.)

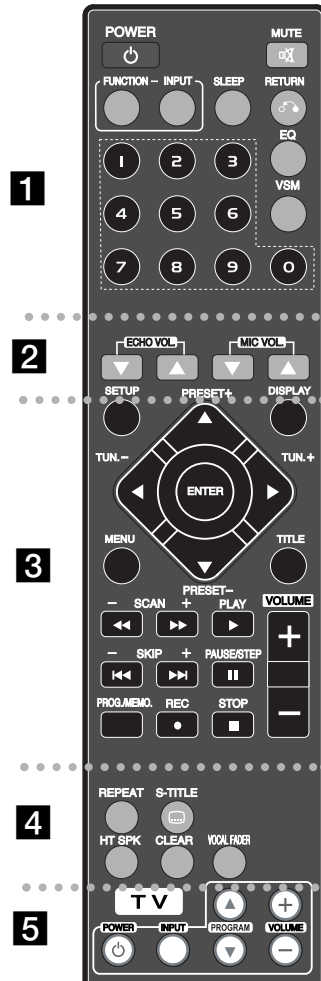
## Hooking up the unit - more you can do

### 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, USB

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

## Remote control



6

• • • • • **1** • • • • •

- POWER:** Switches the unit ON or OFF.
- MUTE :** Press MUTE to mute your unit. You can mute your unit in order, for example, to answer the telephone.
- FUNCTION :** Selects the function (DVD/CD, FM, AM)
- INPUT :** Changes the input source ( AUX, AUX OPT, PORTABLE, USB)
- SLEEP :** Sets the System to turn off automatically at a specified time. (Dimmer : Dims the LED (Light-emitting diode) of front panel by half in power-on status.)
- RETURN (↶):** Press to move back wards in the menu.
- EQ :** You can choose 6 (or 7) fixed sound impressions.
- VSM :** Press **VSM** to set the Dolby Pro Logic II or VIRTUAL sound.
- 0-9 numerical buttons:** Selects numbered options in a menu.

• • • • • **2** • • • • •

- ECHO VOL. :** Adjusts echo volume.
- MIC VOL. :** Adjusts microphone volume.

• • • • • **3** • • • • •

- SETUP :** Accesses or removes setup menu
- MENU :** Accesses the menu on a DVD disc.
- DISPLAY:** Accesses On-Screen Display.
- TITLE :** If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may not appear.

**◀ / ▶ / ▲ / ▼ (left/right/up/down):**Used to navigate on-screen displays.

**ENTER :** Acknowledges menu selection.

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

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

**SCAN(◀◀/▶▶) :** Search backward or forward.

**SKIP(◀◀ / ▶▶):** Go to next or previous chapter/ track.

**PLAY (▶):** Starts playback. Mono/Stereo(St.)

**PAUSE/STEP (||):** Pause playback

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

**REC (●) :** USB Direct Recording

**STOP (■):** Stops playback or recording.

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

• • • • • **4** • • • • •

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

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

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

**CLEAR:** Removes a track number on the Program List.

**VOCAL FADER :** You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. (MP3/WMA/CD/DD etc.) except for Karaoke mode.

• • • • • **5** • • • • •

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

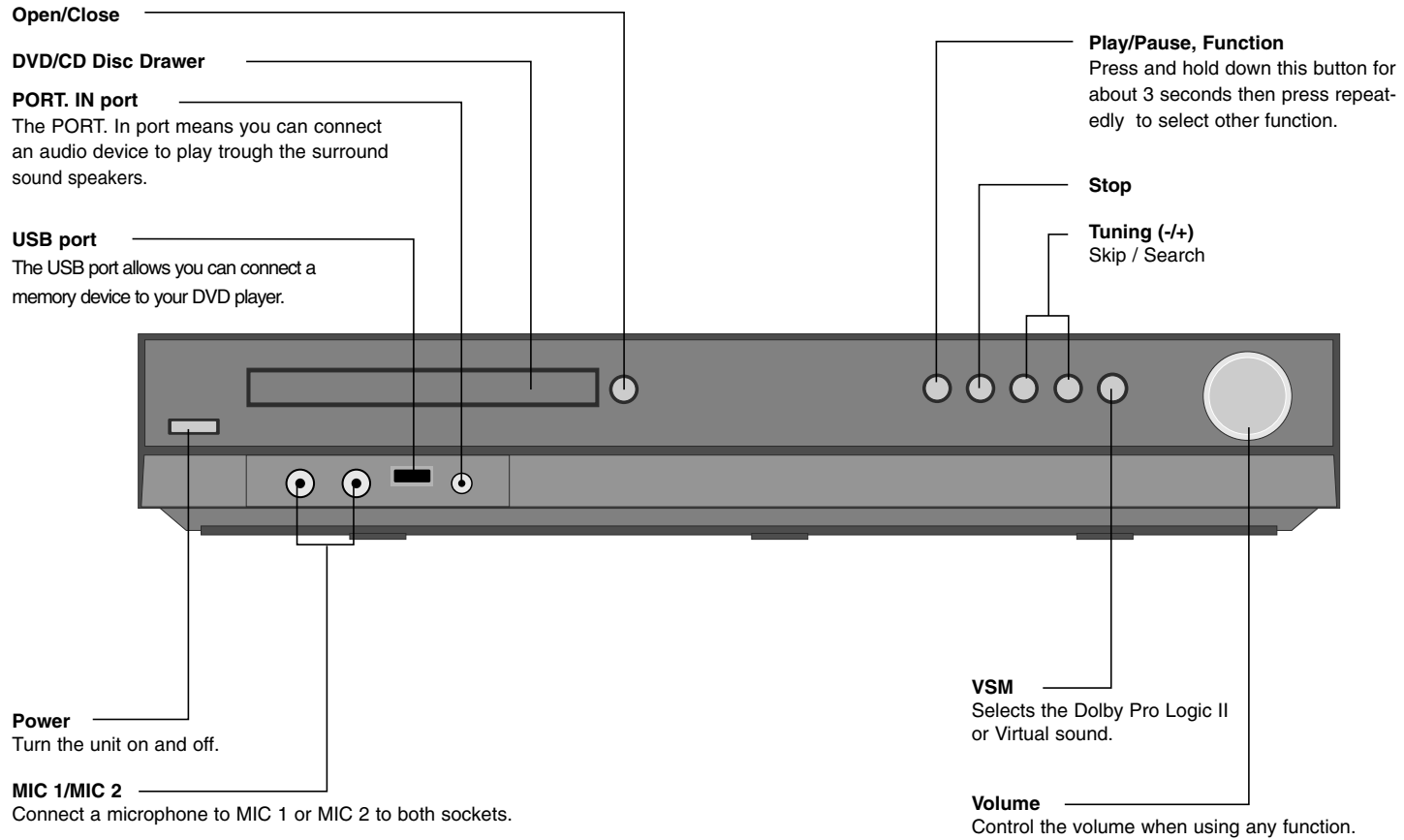
### Put the batteries into the remote control

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 PROGRAM (▲/▼) button repeatedly until the TV turns on or off.

## Main Unit



### OSD Initial language settings

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

|  | ON REMOTE           |
|--|---------------------|
| <b>1 Turn the power on:</b><br>Appear the language list display window | <b>POWER</b>        |
| <b>2 Select the language:</b>  | <b>▲▼ ◀▶</b>        |
| <b>3 Press:</b>  | <b>ENTER</b>        |
| <b>4 To confirm press:</b>   | <b>◀▶ and ENTER</b> |

### Initial Setting the Area Code

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

|   | ON REMOTE                                |
|---|--|
| <b>1 Display setup menu:</b>  | <b>SETUP</b>                             |
| <b>2 Select LOCK menu on the first level:</b>   | <b>▲ ▼</b>                               |
| <b>3 Move to second level:</b><br>Appears the activated Area code on the second level.:                       | <b>▶</b>                                 |
| <b>4 Move to third level:</b>   | <b>▶</b>                                 |
| <b>5 Enter the new password:</b>  | <b>numerical buttons (0-9) and ENTER</b> |
| <b>6 Recheck entered new password:</b>  | <b>numerical buttons (0-9) and ENTER</b> |
| <b>7 Select a code for a geographic area:</b><br>After select, Rating and Passward will be activated.(page17) | <b>▲▼ ◀▶</b>                             |
| <b>8 To confirm press:</b>  | <b>ENTER</b>                             |

### Adjust the settings

|   | ON REMOTE        |
|---|------------------|
| <b>1 Display setup menu :</b>                         | <b>SETUP</b>     |
| <b>2 Select a desired option on the first level:</b>  | <b>▲▼</b>        |
| <b>3 Move to second level:</b>                        | <b>▶</b>         |
| <b>4 Select a desired option on the second level:</b> | <b>▲▼</b>        |
| <b>5 Move to third level:</b>                         | <b>▶</b>         |
| <b>6 Change the setting:</b>                          | <b>▲▼, ENTER</b> |

### Adjust the settings - more you can do

#### Adjust the language settings

**OSD** – Select a language for the Setup menu and on-screen display.

There is displayed as “-” or other error mark on display when you change OSD.

- Restart the unit
- Change function
- Disconnect and connect USB device.

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

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

[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 17). 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.

**Progressive Scan (For Component Video connections)** – Selects whether the COMPONENT/PROGRESSIVE SCAN OUTPUT jacks output progressive signal. If your TV accepts progressive format signals, you will enjoy accurate color reproduction and high quality image by selecting [ON]. If your TV does not accept progressive format signals, select [OFF].

If you set Progressive Scan to [On] in error, you must reset the unit. First, remove the disc in the unit. Next, press and hold STOP for five seconds. The video output will be restored to the standard setting, and a picture will be visible on your TV.

### Adjust the audio settings

**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.

### 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 number, press CLEAR to delete numbers.

If you forget your password you can reset it. Press SETUP to display the Setup menu. Input '210499' and press ENTER. The password has now been cleared.

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

**Password** – Sets or changes the password for lock settings.

[New]: Enter a new 4-digit password using the numerical buttons then press ENTER. Enter the password again to confirm.

[Change]: Enter the new password twice after entering the current password.

**Area code** – Select a code for a geographic area as the playback rating level. This determines which area's standards are used to rate DVDs controlled by the parental lock. See the Area Codes on page 17.

### Adjust the others settings

**PBC (Playback Control)** – Playback control provides special navigation features that are available on some disc. Select [On] to use this feature.

**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](http://www.divx.com/vod).

Press ENTER when [Select] icon is highlighted and you can view the registration code of the unit.

**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.
- When you watching movies, "off" the Semi Karaoke at the SETUP menu or enjoy it without connecting the MIC if the fanfare or score appears during changing a chapter.

**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.

[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



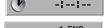
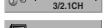

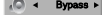

[AUTO EQ]: AUTO EQ operates only in the MP3/ WMA files which include the information. (ID3 Tag is operated ver.1 only.) WMA file operates to Normal EQ regardless of Tag information.

## Displaying Disc Information

|                                     | ON REMOTE |
|-------------------------------------|-----------|
| 1 Press DISPLAY:                    | DISPLAY   |
| 2 Select a item:                    | ▲▼        |
| 3 Adjust the Display menu settings: | ◀▶        |
| 4 To return the exit:               | DISPLAY   |

### Displaying Disc Information - more you can do

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

|   |   |
|---|---|
|  | Current title (or track)<br>number/total number of titles (or tracks) |
|  | Current chapter number/total number of chapters                       |
|  | Elapsed playing time  |
|  | Selected audio language or channel                                    |
|  | Selected subtitle   |
|  | Selected angle/total number of angles                                 |
|  | Selected sound mode   |

### Symbol Used in this Manual

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

## Playing a Disc or file

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

### Playing a Disc or file - more you can do

#### Playing a DVD that has a menu **DVD**

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

#### Skip to the next/previous chapter/track **ALL**

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

#### Pause playback **ALL**

Press PAUSE/STEP (||) to pause playback. Press PLAY (▶) to continue playback.

#### Frame-by-Frame playback **DVD** **DivX**

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

#### Playing repeatedly **ALL**

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

**Fast forward or fast reverse** **ALL**

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

**Selecting a subtitle language** **DVD** **DivX**

During playback, press S-TITLE (⏏) repeatedly to select a desired subtitle language.

**Slow down the playing speed** **DVD**

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

**Watch and listen 1.5 times faster** **DVD** **ACD** **MP3** **WMA**

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

**Viewing the Title menu** **DVD**

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

**Viewing the DVD MENU** **DVD**

Press MENU to display the disc menu, if available.

**Starting play from selected time** **DVD** **DivX**

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

**Last Scene Memory** **DVD**

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

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

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

**Changing the character set to display DivX<sup>®</sup> subtitle correctly** **DivX**

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

**DivX file requirement** **DivX**

DivX disc compatibility with this player is limited as follows:

- Available resolution size: 800x600 (W x H) pixel
- The file name of the DivX subtitle is available by 45 characters.
- If there is impossible code to express in the DivX file, it may be displayed as " \_ " mark on the display.
- If the number of the screen frame is over 30 per 1 second, this unit may not operate normally.
- If the video and audio structure of recorded files are not interleaved, either video or audio is outputted.
- If the name of movie file is different from that of the subtitle file, during playback of a DivX file, subtitle may not be display..
- MPEG4 file extensions: ".avi", ".mpg", ".mpeg"
- Playable DivX subtitle: SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha(.ssa/.txt), MicroDVD (.sub/.txt), VobSub (.sub) SubViewer 2.0 (.sub/.txt), TMLayer(.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)

**Creating your own program** **ACD** **MP3** **WMA**

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

**Displaying file information (ID3 TAG)** **MP3**

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

**MP3/WMA music file requirement**

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

- File extensions: ".mp3", ".wma".
- Sampling frequency: within 32 - 48 kHz (MP3), within 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)

**Screen Saver**

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

**System Select**

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

**VOCAL FADER**

You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. (MP3/WMA/CD/ DTS/DD etc.) except for Karaoke mode.

- This function available to use only when a microphone is connected.

Press VOCAL FADER button then you can see "FADE ON" or "FADE OFF" on the front display.

- This function supports for 2 channel or more.

**Viewing photo files**

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

**Viewing photo files - more you can do****Viewing photo files as a slide show**

Use ▲▼◀▶ to highlight ( ) icon then press ENTER to start slide show. You can change slide show speed using ◀▶ when ( ) icon is highlighted.

**Skip to the next/previous photo**

Press SKIP (◀◀ or ▶▶) 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 (II) 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: Less than 2MB recommended
- 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         |
|--|-------------------|
| <b>1 Turn the power on:</b>  | <b>POWER</b>      |
| <b>2 Select either FM or AM:</b>   | <b>FUNCTION</b>   |
| <b>3 Select a radio station:</b>   | <b>TUN-/+</b>     |
| <b>4 To 'save' a radio station:</b><br>A preset number will show in the display.                       | <b>PROG/MEMO.</b> |
| <b>5 To select a 'saved' station input the preset number:</b><br>Up to 50 radio stations can be saved. | <b>PRESET-/+</b>  |
| <b>6 To confirm press:</b>   | <b>PROG/MEMO.</b> |

## Listening to the radio - more you can do

### Look for radio stations automatically

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

### Choose a preset number for a radio station

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

### Delete all the saved stations

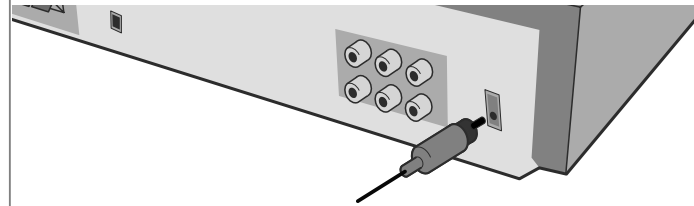
Press and hold PROG./MEMO. for two seconds. ERASE ALL will flash up on the DVD receiver display. Press PROG./MEMO. to erase all saved radio stations.

### Improve poor FM reception

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

## 5.1ch ez Set-up

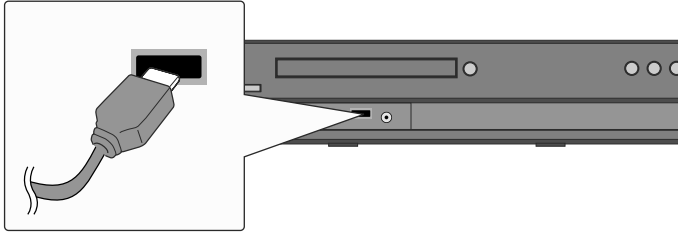
Listen to sound from TV, DVD and Digital Device with vivid 5.1ch mode. Even in power off mode, if you press HT SPK, then power is on and automatically changed to AUX OPT mode.



|   | ON REMOTE                |
|---|--------------------------|
| <b>1 Connect</b> the unit's OPTICAL IN jack to jack on optical out of your TV (or Digital Device etc.): | -                        |
| <b>2 Select the AUX OPT:</b><br>To select the AUX OPT directly  | <b>HT SPK</b>            |
| <b>3 Listen sound with 5.1ch speaker.:</b>  | -                        |
| <b>4 To escape from AUX OPT:</b>  | <b>FUNCTION or INPUT</b> |

## 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                |
|--|--------------------------|
| <b>1 Connect</b> the USB device to the unit using a USB cable (not supplied).:                   | -                        |
| <b>2 Select the USB function:</b>  | <b>INPUT</b>             |
| <b>3 Select a file from the menu:</b>  | ▲ ▼                      |
| <b>4 Start your music playing:</b>   | ▶                        |
| <b>5 Before disconnecting</b> the portable USB device, change to any other function by pressing: | <b>FUNCTION or INPUT</b> |
| <b>6 Remove</b> 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, it operates at the same speed as that of USB 1.1)

### USB device requirement

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

## Recording music from CD to your USB device

|   | ON REMOTE     |
|---|---------------|
| 1 Connect the USB device to the unit:   | -             |
| 2 Select a mode (DVD/CD) in which you want to record:   | FUNCTION      |
| 3 Start the recording:<br>If you want to record desired music file in Disc to USB. Select a file after start the recording: | ●<br>▲▼ 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** - If the USB recording is played during playback of the CD, the only track would be recording into the USB

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

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

### When you are recording, look out for the following

- When you start the USB direct recording, you can check the Recording percentage rate for the USB record on the display window during the recording.
- During the recording is no sound and not operate for volume .
- When you stop recording during playback, the file that has been recorded at that time will be stored
- If you disconnect the USB without STOP button while recording, the file can not delete in the PC.
- It is impossible to record from " MIC IN"
- Playable USB REC. Bit rate : 96/128kbps (Refer to the SET UP page)
- During USB record can not operate Pause key for Audio CD only.
- Card reader device can not be use for USB record.
- USB port of the unit can not be connected to PC. The unit can not be used as a storage device.

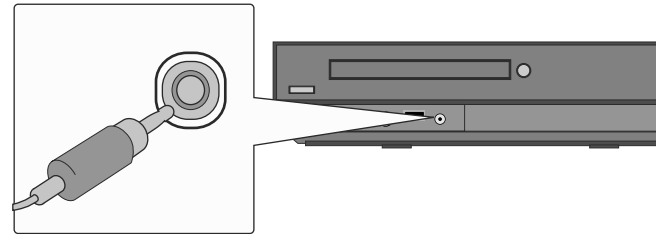
- If the USB can not record appears "NO USB". "ERROR", "USB FULL", "NO REC" on the display window.
- File will be stored to CD\_REC folder in a format "TRK-001.mp3".
- In the state CD-G, DTS disc USB Record is not operated.
- If you record more 999 files on CD\_REC folder appears "ERROR" on the display.
- 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, Card reader, Locked device and MP3 player is not supported.

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

**Be responsible  
Respect copyrights**

## Listening to music from your portable player

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



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



## Language Codes

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

| Language        | Code | Language    | Code | Language         | Code | Language       | Code | Language       | Code | Language   | Code |
|-----------------|------|-------------|------|------------------|------|----------------|------|----------------|------|------------|------|
| Afar            | 6565 | Croatian    | 7282 | Hausa            | 7265 | Lingala        | 7678 | Quechua        | 8185 | Tajik      | 8471 |
| Afrikaans       | 6570 | Czech       | 6783 | Hebrew           | 7387 | Lithuanian     | 7684 | Rhaeto-Romance | 8277 | Tamil      | 8465 |
| Albanian        | 8381 | Danish      | 6865 | Hindi            | 7273 | Macedonian     | 7775 | Rumanian       | 8279 | Telugu     | 8469 |
| Ameharic        | 6577 | Dutch       | 7876 | Hungarian        | 7285 | Malagasy       | 7771 | Russian        | 8285 | Thai       | 8472 |
| Arabic          | 6582 | English     | 6978 | Icelandic        | 7383 | Malay          | 7783 | Samoan         | 8377 | Tonga      | 8479 |
| Armenian        | 7289 | Esperanto   | 6979 | Indonesian       | 7378 | Malayalam      | 7776 | Sanskrit       | 8365 | Turkish    | 8482 |
| Assamese        | 6583 | Estonian    | 6984 | Interlingua      | 7365 | Maori          | 7773 | Scots Gaelic   | 7168 | Turkmen    | 8475 |
| Aymara          | 6588 | Faroeese    | 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.<br>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 14 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   |
|---|--|
| <b>DVD-VIDEO:</b> Discs such as movies that can be purchased or rented.   |  |
| <b>DVD-R:</b> Video mode and finalized only   |  |
| <b>DVD-RW:</b> Video mode and finalized only<br>DVD VR format that have been finalized can not be played in this unit |  |
| <b>DVD+R:</b> Video mode only<br>Supports the double layer disc also  |  |
| <b>DVD+RW:</b> Video mode only  |  |
| <b>Audio CD:</b>  |  |


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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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 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                       | 3.9 kg                                       |
| External dimensions (W x H x D)  | 430 x 73 x 305 mm                            |
| Operating conditions Temperature | 5°C to 35°C,<br>Operation status: Horizontal |
| Operating humidity               | 5% to 85%                                    |
| Laser                            | Semiconductor laser,<br>wavelength 650 nm    |

### Tuner FM/AM [MW]

|                           |   |
|---------------------------|---|
| FM Tuning Range           | 87.5 - 108.0 MHz or 65.0 - 74.0 MHz, 87.5 - 108.0 MHz |
| FM Intermediate Frequency | 10.7 MHz  |
| AM Tuning Range           | 522 - 1,620 kHz or 520 - 1,720 kHz                    |
| AM Intermediate Frequency | 450 kHz   |

### Amplifier

|                      |   |
|----------------------|---|
| Stereo mode          | 70 W + 70 W (4Ω at 1 kHz, THD 10 %)   |
| Surround mode Front: | 70 W + 70 W (THD 10%) Center*: 70 W<br>Surround*: 70 W + 70 W<br>(4Ω at 1 kHz, THD 10 %)<br>Subwoofer*: 150 W (3Ω at 30 Hz, THD 10 %) |

### Speakers

|                            | Front/Rear<br>Speaker | Center<br>speaker | Passive<br>Subwoofer |
|----------------------------|-----------------------|-------------------|----------------------|
| Type                       | 2 Way 3 Speaker       | 2 Way 3 Speaker   | 1 Way 1 Speaker      |
| Impedance                  | 4 Ω                   | 4 Ω               | 3 Ω                  |
| Rated Input Power          | 70 W                  | 70 W              | 150 W                |
| Max. Input Power           | 140 W                 | 140 W             | 300 W                |
| Net Dimensions (W x H x D) | 270 x 110 x 270 mm    | 331 x 111 x 96 mm | 170 x 400 x 382 mm   |
| Net Weight                 | 3.6 kg                | 1.2 kg            | 5.7 kg               |

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