



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



Unique Features

HDMI In

Simple connection with Set Top Box through HDMI.

[Go to page 8](#)

Full HD up-scaling (1080p)

View Full HD picture quality with simple setup.

[Go to page 11](#)

5.1ch ez Set-up

Listen sound from TV, DVD and Digital Device with vivid 5.1ch mode.

[Go to page 16](#)

USB Direct Recording Portable In

Record music from CD to your USB device.

[Go to page 18](#)

Listen to music from your portable device (MP3, Notebook, etc).

[Go to page 18](#)

Made for iPod

Enjoy music from iPod with simple connection.

[Go to page 19](#)

P/NO : MFL49511784

Safety Precaution



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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



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



The exclamation 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

Contents

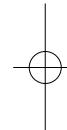
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What is SIMPLINK?

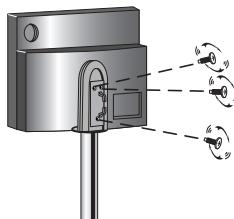
Some functions of this unit are controlled by TV's remote control when this unit and LG TV with SIMPLINK are connected through HDMI connection.

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

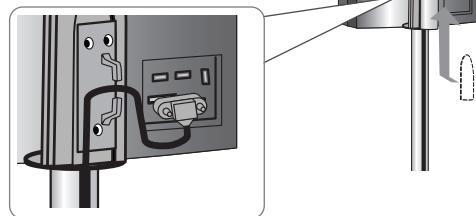


Setting up Installing the unit

Fix the unit tighten 3 screws (3 x 14) 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.

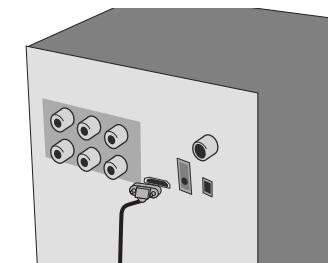
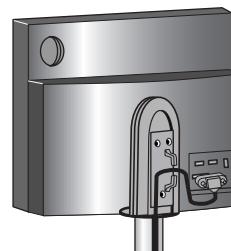


Insert the cable holder in the hole on the stand.



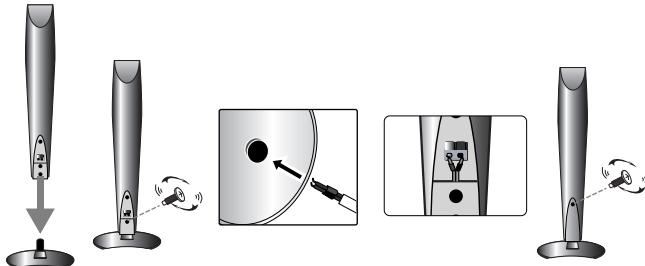
Connecting the active woofer to the unit.

- 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

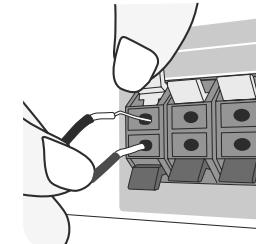
- 1 Fix the speaker and the stand by insert the 1 screw in the speaker hole.
- 2 Draw the speaker cable through the hole on the speaker.
- 3 Connect the speaker cable.
- 4 Attach the back cover by rotating the screw.

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

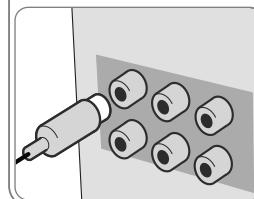
Be careful to make sure children do not put their hands or any objects into the *speaker duct.

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

Hooking up the unit

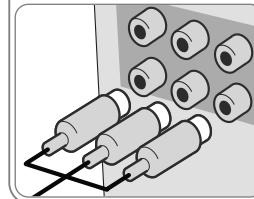
1 Connect jacks on the unit (or active woofer) and your TV (DVD player or Digital Device etc.) using the cables.

Video Out connection



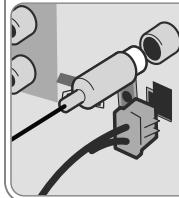
Connect the VIDEO OUT-PUT jack on the active woofer to the corresponding input jack on your TV using a Video cable.

Component Video connection



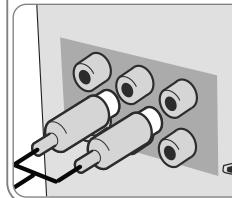
Connect the COMPONENT VIDEO OUT jacks on the active woofer to the corresponding input jacks on your TV using a Y PB PR cable.

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.

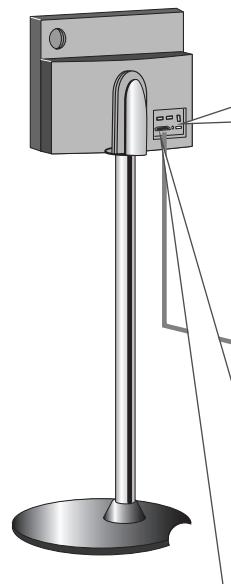
Audio In connection



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

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

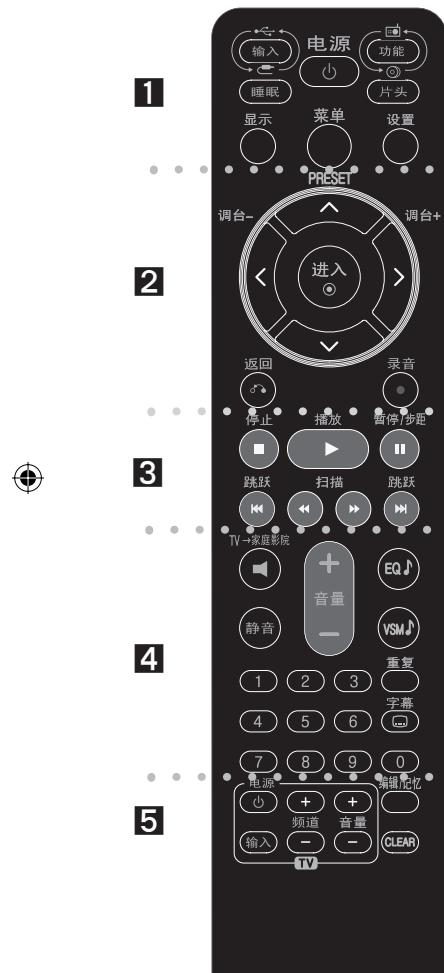
- If your TV does not accept your resolution setting, abnormal picture appears on the screen. Please read owner's manual for TV, and then set the resolution that your TV can accept.
- Use the HDMI cable within 5 meters
- If the volume bar is not displayed on TV screen, when you select Simplink to off 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



8

1702ENG 8P.indd 1

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

VOLUME (音量) (+/-) : 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 (重复) : Repeats a Chapter/ Track/ Title/ all

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

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

mena. **5**

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

PROG./MEMO. (编辑/记忆) : Accesses or removes

CLEAR (清除) : Removes a track number on the
Program menu.

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.

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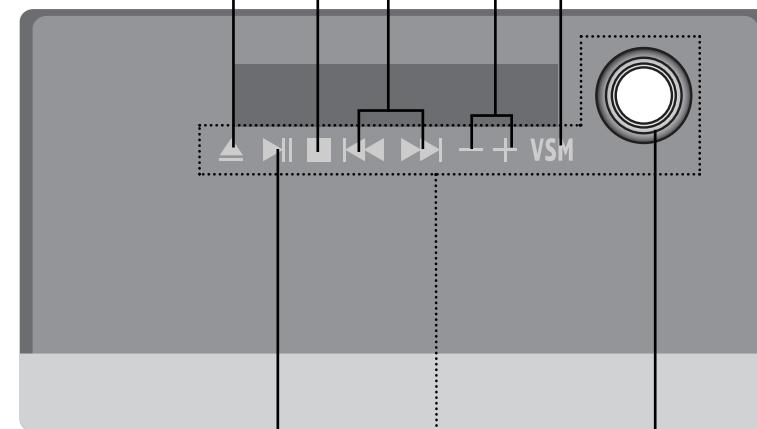
Main Unit

Tuning (-/+)
Skip / Search

Stop

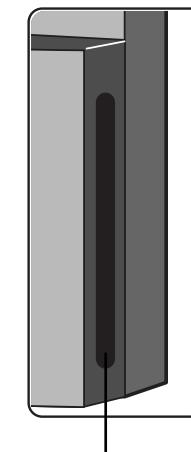
EJECT

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



Volume
Control the volume when
using any function.

VSM
Selects the Dolby Pro
Logic II
or Virtual sound.



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 |

Adjust the settings

| ON REMOTE |
|--|
| 1 Display setup menu : |
| 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: |

Initial Setting 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: Appears 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 - 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, 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 to 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, the playback may pause. You have to click on the play button to play back again. For some TVs, when you change the TV mode, such 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 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 20.

Adjust the others settings

PBC (Playback Control) – Playback control provides special navigation features that are available on some Video CDs. 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.

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

Displaying Disc Information

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

Displaying Disc Information - more you can do

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



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

Video CDs

VCD

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 or Video CD that has a menu **DVD** **VCD**

Most DVD or Video CD 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 (II) to pause playback. Press PLAY (▶) to continue playback.

Frame-by-Frame playback **DVD** **DivX** **VCD**

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]. This function does not operate during Video CD playback, change the PBC to OFF on setup menu.

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 VCD

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. The video CD cannot be slow down reverse playback.

Watch and listen 1.5 times faster DVD VCD 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 VCD

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

Last Scene Memory DVD

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

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

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

Changing the character set to display DivX® subtitle correctly DivX

If the subtitle does not display properly during playback, press and hold 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 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) 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 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 (II) 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 ( 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: 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

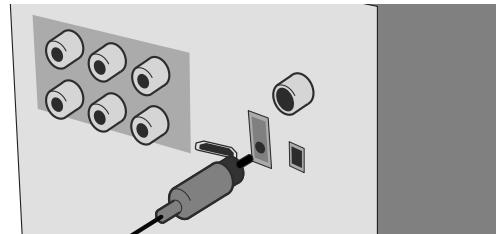
Press and hold PROG./MEMO for two seconds. ERASE ALL will flash up on the DVD receiver display. Press PROG./MEMO to erase all saved radio stations.

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

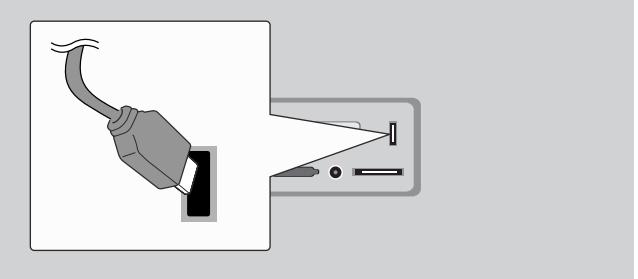
Listen to sound from TV, DVD and Digital Device with vivid 5.1ch mode. Even in power off mode, if you press TV→HT SPK, then power is on and automatically changed to AUX OPT mode.



| ON REMOTE |
|--|
| 1 Connect the active woofer's OPTICAL IN jack to jack on optical out of your TV (or Digital Device etc.): - |
| 2 Select the AUX OPT: To select the AUX OPT directly TV→HT SPK |
| 3 Listen sound with 5.1ch 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 after 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 - 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./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 not, an incomplete file may be made and not 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 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
- 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.

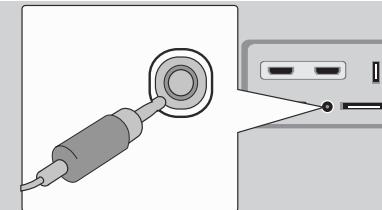
- File will be stored to CD_REC folder as a format "TRK-001.mp3".
- In the state CD-G, DTS disc USB Record is not operated.
- If you record more 999 files on CD_REC folder appears "ERROR" on the display.
- New files are numbered in numeric sequence. if the total number of the files are more than 999, 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 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

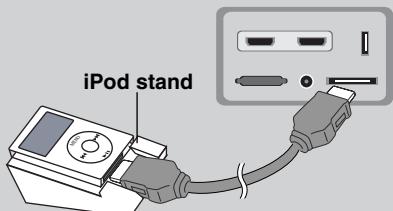


| | ON REMOTE |
|---|-----------|
| 1 Connect the portable player by plugging the unit into PORT. IN on the front of the player.: | - |
| 2 Turn the power on: | POWER |
| 3 Select the PORTABLE function: | INPUT |
| 4 Turn the portable player on and start it playing: | - |

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 (II) 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 a 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 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 | Punjabi | 8065 | Spanish | 6983 | Wolof | 8779 |
| Bulgarian | 6671 | Greek | 6976 | Kurdish | 7585 | Pashto, Pushto | 8083 | Sudanese | 8385 | Xhosa | 8872 |
| Burmese | 7789 | Greenlandic | 7576 | Laotian | 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. |
| | The disc is dirty. | Clean the disc using a soft cloth with outward strokes. |
| Humming noise heard while a DVD or CD is playing | 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 |  |
| Video CD (VCD/SVCD): |  |
| 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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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 | 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 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 | 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 | 1 Way 1 Speaker |
| 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.

