

THIS APPLIANCE IS MANUFACTURED BY:

Instruction Manual





Safety Warnings

CLASS 1 LASER PRODUCT KLASSE 1 LASER PRODUKT LUOKAN 1 LASER LAITE KLASS 1 LASER APPARAT PRODUCTO LASER CLASE 1



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPO-SURE TO BEAM.



This symbol alerts you to important operating and maintenance instructions accompanying the unit.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.





Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



During thunderstorms, disconnect AC main plug from the

Voltage peaks due to lightning could damage the unit.

wall outlet.



Do not expose the unit to direct sunlight or other heat sources. This could lead to overheating and malfunction of the unit.

The battery used with this product contain chemicals that

Do not dispose of batteries in the general household

are harmful to the environment.

trash.



Protect the player from moisture(i.e. vases) , and excess heat(e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.

Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold temperatures.

If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



PREPARATION

Features

Multi-Disc Playback & AM/FM Tuner

The HT-DS960/DS760T combines the convenience of multi-disc playback capability, including DVD-AUDIO, DVD-VIDEO, VCD, CD, MP3-CD, DivX, CD-R/RW, and DVD-R/RW, with a sophisticated AM/FM tuner, all in a single player.

DVD-Audio compatible

Experience the super high-quality audio performance of DVD-Audio. The on-board 24-bit/192kHz DAC enables this player to deliver exceptional sound quality in terms of dynamic range, low-level resolution and high-frequency detail.

OSuper Digital Sound Master

Equipped with new digital audio technology (RRSS, Live Surround Mode, Virtual headphone) developed in cooperation with DiMagic Co., Ltd., for full, spacious sound and easy control.



ORRSS (Rear Reflecting Surround System)

The sound from the rear speaker is reflected against the side and rear walls before reaching the listener to produce realistic sound as if you have installed an actual 5.1-channel speaker system.

P.SCAN (progressive Scan) Function

Unlike regular interlace Scan ,in which two fields of picture information alternate to create the entire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

TV Screen Saver Function

The HT-DS960/DS760T automatically brightens and darkens the brightness of the TV screen after 3 minutes in the stop mode.

The HT-DS960/DS760T automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

Power Saving Function

The HT-DS960/DS760T automatically shuts itself off after 20 minutes in the stop mode.

Customized TV Screen Display

The HT-DS960/DS760T allows you to select your favorite image during JPEG, DVD, or VCD playback and set it as your background wallpaper.

Contents

D	PREPARATION
-	Safety Warnings

Safety Warnings
Precautions
Features
Notes on Discs
Description
2 cool plant and a second s

CONNECTIONS

Connecting the Speakers	1
Connecting the Video Out to TV	1
P.SCAN(Progressive Scan) Function	
Connecting External Components	
Connecting External Components Connecting the FM and AM Antennas Before Using Your DVD Player	1

OPERATION

24
27
29
20 21 22 29 30
32
34
4(

SETUP

-	Listening to Radio	6	9
	Proporting Stations	7	n

MISCELLANEOUS

Convenient Functions	71
Operating a TV with the Remote Control	
Before Calling for Service	75
Cautions on Handling and Storing Discs	77
Specifications	
Notes on Terminology	



Notes on Discs



DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.



DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play. The Region Number for this player is given on the rear panel of the player. (Your DVD player will only play DVDs that are labeled with identical region codes.)

Playable Discs

Disc Type	Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
			12cm	Approx. 240 min. (single-sided)
DVD-AUDIO	DVD	Audio + Video	12011	Approx. 480 min. (double-sided)
DVD-VIDEO	AUDIO/VIDEO	Audio + video	8cm	Approx. 80 min. (single-sided)
				Approx. 160 min. (double-sided)
VIDEO-CD		Audio + Video	12cm	74 min.
VIDEO-CD	DIGITAL VIDEO		8cm	20 min.
	പഞ്ഞം	Audio	12cm	74 min.
AUDIO-CD		Audio	8cm	20 min.

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM and DVD-ROM cannot be played on this player. If such discs are played, a "WRONG DISC FORMAT" message appears on the TV screen.
- DVD discs purchased abroad may not play on this player. If such discs are played, a "WRONG REGION CODE" message appears on the TV screen.

Copy Protection

- Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.
- This product incorporates copyright protection technology that is protected by methods 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.

Disc Recording Format

CD-R Discs

- Depending on the disc recording device (CD-Recorder or PC) and the condition of the disc, some CD-R discs may not be playable.
- Use a 650MB/74 minute CD-R. Avoid CD-R media, as they may not be playable.
- If possible, do not use CD-RW (Rewritable) media, as they may not be playable.
- Only the CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written Multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- If more than 500 tracks are recorded on a single CD, a maximum of 500 tracks can be played.
- If more than 300 folders are recorded on a single CD, a maximum of 300 folders can be played.

CD-R JPEG Discs

- Only files with the ".jpeg" and ".JPEG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.



otion

—Front Panel—







-Remote Control-



Insert Remote Batteries



Caution F

Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity:(+) to (+)and (-)to (-).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

Range of Operation of the Remote Control

The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



To open the remote control cover, push the top of the cover, then slide downward.





Connecting the Speakers

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.

HT-DS960



Position of the DVD Player

 Place it on a stand or cabinet shelf, or under the TV stand.

Front Speakers **DR**/**LS**

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.
- Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Center Speaker **G**

- It is best to install it at the same height as the front speakers.
- You can also install it directly over or under the TV.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example: For 32" TVs 2~2.4m (6~8feet) For 55" TVs 3.5~4m (11~13feet)

Subwoofer 🖤

- The position of the subwoofer is not so critical. Place it anywhere you like.
- Usually, it is placed by a corner near the front speakers.

HT-DS760T



Position of the DVD Player

• Place it on a stand or cabinet shelf, or under the TV stand.

Front/RearSubwoofer Speakers

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.
- Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example: For 32" TVs 2-2.4m (6~8 feet) For 55" TVs 3.5~4m (11~13 feet)

Center Speaker **G**

- It is best to install it at the same height as the front speakers.
- You can also install it directly over or under the TV.

CONNECTIONS

HT-DS960

•Connect the front/rear, center, and subwoofer speakers to the speaker terminals on the back of the main unit.



Back of the Speakers

- 1 Press down the terminal tab on the back of the speaker.
- f the **2** Insert the wire into the terminal and release the terminal tab.
 - Insert the black wire into the black (-) terminal and the gray wire into the gray (+) terminal.
 Make sure the polarities (+ and -) are correct.



- Do not let children play with the speakers. They could get hurt if a speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/-) is correct.
- Never touch the speaker terminal while the power is on. Doing so may result in a risk of electric shock.

Back of the Main Unit

- **3** Connect the connecting jacks to the back of the DVD player.
 - Make sure the colors of the speaker terminals match the colors of the connecting jacks.



 If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. In this case, place the speaker away from your TV set.

HT-DS760T

• Connect the front/rear, center, and subwoofer speakers to the speaker terminals on the back of the main unit.



Connect the speakers to the main unit.

• Please make sure the colors of the terminals match those of the cords.

Caution

- Do not let children play with the speakers. They could get hurt if a speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/-) is correct.
- Never touch the speaker terminal while the power is on. Doing so may result in a risk of electric shock.

Note

 If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. In this case, place the speaker away from your TV set. CONNECTIONS

Caution



Connecting the Video Out to TV

Make sure that turn off and disconnect the plug from outlet before moving or installing the product. In connecting to video, select one of following three methods that suits for TV and connect it.



METHOD 1 Composite Video Good Quality

Connect the supplied video cable from the VIDEO OUT jack on the back panel of the system to the VIDEO IN jack on your television.

METHOD 2 S-Video Better Quality

If you television is equipped with an S-Video input, connect an S-Video cable (not supplied) from the S-VIDEO OUT jack on the back panel of the system to the S-VIDEO IN jack on your television.

METHOD 3 Component (Progressive Scan) Video Best Quality

If your television is equipped with Component Video inputs, connect a component video cable (not supplied) from the Pr, Pb and Y jacks on the back panel of the system to the corresponding jacks on your television.

• When the Progressive scan mode is selected, the VIDEO and S-VIDEO outputs do not feed any signal. See page 16 to select Progressive Scan.



P.SCAN(Progressive Scan) Function

Unlike regular Interlace Scan, in which two fields of picture information alternate to create the entire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

Press and hold P.SCAN button on the remote controller for over 5 seconds in stop mode.

• Pressing and holding the button for over 5 seconds will select "Progressive Scan" and "Interlace Scan" repetitively.

What is Progressive (or Non-Interlaced) Scanning?



Note •

 This function works only on TVs equipped with component video inputs (Y, Pr, Pb) that support Progressive Video. (It does not work on TVs with conventional component inputs, i.e., non-progressive scan TVs.)

• Depending on the brand and model of your TV, this function may not work.

Selecting the Video Format

Press and hold NTSC/PAL button on the remote controller for over 5 seconds while the power is turned off.

- "NTSC" or "PAL" will appear in the display.
- At this time, press the NTSC/PAL button shortly to select between "NTSC" and "PAL".
- Each country has a different video format standard.
- For normal playback, the video format of the disc must be the same as the video format of your TV.



Connecting External Components

Connecting an External Digital Component

Example: Digital signal components such as a Set-Top Box or CD Recorder.



- Connect Video Out on the DVD player to Video In on the TV.
- 2 Connect the Digital Input (OPTICAL) to the Digital Output on the external digital component.
- 3 Press AUX on the remote control to select 'DIGITAL IN'.
 - Each time the button is pressed, the selection changes as follows: DIGITAL IN \rightarrow AUX 1 \rightarrow AUX 2.
 - You can also use the FUNCTION button on the main unit. The mode switches as follows: DVD/CD → DIGITAL IN → AUX1 → AUX2 → FM → AM.

Connecting an External Analog Component

Example: Analog signal components such as a VCR or TV.



- 1 Connect Video Out on the DVD player to Video In on the TV.
- 2 Connect Video In on the DVD player to Video Out on the external analog component.
- Connect Audio In on the DVD player to Audio Out on the external analog component.
 Be sure to match connector colors.
- 4 Press AUX on the remote control to select AUX 1 or AUX 2.
 - Each time the button is pressed, the selection changes as follows: DIGITAL IN \rightarrow AUX 1 \rightarrow AUX 2.
 - You can also use the FUNCTION button on the main unit. The mode switches as follows: DVD/CD → DIGITAL IN → AUX1 → AUX2 → FM → AM.

- Note
- If you have connected an external digital component and also an Analog component to Video In (1, 2) at the same time, there will be video from AUX 1 even when you select DIGITAL IN.
- If you have connected Audio In (L, R) to 1, connect Video In to 1 as well, and if you have connected Audio In (L, R) to 2, connect Video In to 2 also.
- When you select Aux 1 or 2, you are selecting Video 1 or 2 inputs respectively.



Connecting the FM and AM Antennas



FM antenna connection

- 1. Connect the FM antenna supplied to the FM 75 Ω COAXIAL terminal as a temporary measure.
- 2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

AM antenna connection

- 1. Connect the AM loop antenna supplied to the AM and $\, trainals.$
- 2. If reception is poor, connect an outdoor single vinyl-covered wire to the AM terminal. (Keep the AM loop antenna connected).

• If reception is poor, connect an outdoor antenna. Before attaching a 75 Ω coaxial cable (with a standard type connector), disconnect the supplied FM antenna.

Cooling Fan

The cooling fan dissipates the heat generated inside the unit so that the unit can be operated normally. The cooling fan is activated automatically to supply cool air to the unit.



Please observe the following cautions for your safety.

Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit could rise and may damage it.

 Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)

Before Usin

Before Using Your DVD Player

Your DVD player is capable of playing DVD, VCD, CD, MP3 and JPEG discs.Depending on the disc you are using, these instructions may vary slightly. Read the instructions carefully before using.



Selecting the Video Format

Turn off the main unit and then press NTSC/PAL.

- Each time the button is pressed, the video format switches between "NTSC" and "PAL".
- Each country has a different video format standard.
- For normal playback, the video format of the disc must be the same as the video format of your TV.

To Operate the TV and DVD Player with a Single Remote Control

Press MODE button.

- Each time the button is pressed, the TV indicator (red) and the DVD Receiver indicator (green) will flash alternately.
- You can operate the TV while the TV indicator is flashing and the DVD player while the DVD indicator is flashing.
- Buttons Enabled for TV Operation: POWER, CHANNEL, VOLUME, TV/VIDEO, and Numeric (0-9) buttons.
- By default, the remote control is set to work with Samsung TVs. See page 65 for more information on the operation of the remote control.



Disc terminology

Groups and tracks (DVD-AUDIO)

• DVD-audios are divided into several large sections called "groups" and smaller sections called "tracks". Numbers are allotted to these sections. These numbers are called "group numbers" and "track numbers".



Titles and chapters (DVD-VIDEO)

• DVD-videos are divided into several large sections called "titles" and smaller sections called "chapters". Numbers are allotted to these sections. These numbers are called "title numbers" and "chapter numbers".

TITLE 1	TITLE 2
CHAPTER 1 CHAPTER 2 CHAPTER 3	CHAPTER 1

Tracks (Video and music CDs)

 $(\bigcirc^{r}$

 Video and music CDs are divided into sections called "tracks". Numbers are allotted to these sections. These numbers are called "track numbers".



In this manual, the instructions marked with "DVD (DVD)" are applicable to DVD-VIDEO, DVD-AUDIO, and DVD-R/RW discs.

- Where a particular DVD type is mentioned, it is indicated separately.
- Depending on the content of the disc, the initial screen may appear different.



Disc Playback



Press **OPEN/CLOSE** button to open the disc tray.



1

Load a disc.

• Place a disc gently into the tray with the disc's label facing up.

3 Press **OPEN/CLOSE** button to close the disc tray.



• Playback starts automatically.



- Depending on the content of the disc, the initial screen may appear different.
- Depending on the recording mode, some MP3-CDs cannot be played.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.

To stop playback, press **STOP** during playback.

- If pressed once, "PRESS PLAY" is displayed and the stop position will be stored in memory. If PLAY/PAUSE (▶/II) button or ENTER button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, "STOP" is displayed, and if PLAY/PAUSE (▶/II) button is pressed, playback starts from the beginning.



To temporarily pause playback, press PLAY/PAUSE during playback.

• To resume playback, press **PLAY/PAUSE** (**>/II**) button again.

Press the REMAIN button.

• For checking the total and remaining time of a title or chapter being played.

Each time the REMAIN button is pressed



VCD CD TRACK ELAPSED ↓ TRACK REMAIN ↓ TOTAL ELAPSED ↓ TOTAL REMAIN



MP3-C

MP3-CD Playback

[©] Data CDs (CD-ROM, CD-R, CD-RW) encoded in MP3 format can be played.

9

In Stop mode, use

 $\blacktriangleleft \blacktriangleright \blacktriangle \forall$ to select

the album, and then

press the ENTER

button.



JPEG Disc Playback

Images captured with a digital camera or camcorder, or JPG files on a PC can be stored on a CD and then played back with this unit.

Press the **OPEN/CLOSE** button to open the disc tray, and then load the JPEG disc.

• Playback will start automatically and each image will show for 5 seconds before moving to the next image.



Press the OPEN/CLOSE button to open the disc tray, and then load the MP3 disc.

The MP3 menu screen will appear and playback will start.
Depending on the MP3 disc, the

 Depending on the MP3 disc, the appearance of the menu may be different.

3 To change the album, use ◀ ► ▲ ▼ to select another album in Stop mode, and then press the ENTER button.

• To select another album and track, repeat Steps 2 and 3 above.

4 Press the STOP button to stop playback.



Note

Depending on the recording mode, some MP3-CDs may not play.
Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.



DivX Playback

Skip Forward/Back

During playback, press the I

- Go to the next file whenever you press **>>** button, if there are over 2 files in the disk.
- Go to the previous file whenever you press Idd button, if there are over 2 files in the disk.

Fast playback

Press and hold **Heter** button. · Each time the button is held down during playback, the playback speed changes as follows:





your selection will toggle between "ZOOM X2" and "ZOOM OFF".



5 Minute Skip function

- During playback, press the ◀, ▶ button.
- Go to the screen about 5 minutes after whenever you press button.
- Go to the screen about 5 minutes earlier whenever you press 4 button.

Subtitle Display

If the disc has more than one subtitle file

If the disc has more than one subtitle file, the default subtitle may not match the movie and you will have select your subtitle language as follows:

In Stop mode, press the **I I I** button, select the desired subtitle (🚍) from the TV screen, and then press the ENTER button.

When you select the desired DivX file from the TV screen, the -Movie will be played normally.

DivX Feature Table

DivX Supported

Avi files are used to contain the audio and video data; these must be stored on CD in the ISO 9660 format.

		SPEC	 MPEGs containing DivX can be divided into Video and Audio. Video compatibility : All versions of DivX later than 3.11 (including the second seco	
VIDEO Compatibility		the latest 5.1) are supported. In addition, XviD is supported.		
	WMV	WMV V1/V2/V3/V7	For WMV, V1, V2, V3, and V7 formats are possible.	
AUDIO Compatibility	MP3	CBR : 80kbps~320kbps	 Audio compatibility : MP3s encoded at bitrates from 80kbps to 320kbps, AC3s from 128kbps to 448kbps, and WMAs from 56kbp 	
	AC3	CBR : 128kbps~448kbps	to 160kbps are supported.	
	WMA	CBR : 56kbps~160kbps	 In addition, for subtitles, this unit will support Text format (SMI) 	



• When playing the DivX disk, you can play the file with extension of AVI only.

- Among the available DivX audio formats, DTS Audio is not supported.
- WMV V8 is not supported for WMV files.
- When burning a subtitle file to a CD-ROM with your PC, be sure to burn it as an SMI file.
- DivX Disc does not plaving when its sampling frequency is lower than 32kHz.



Displaying Disc Information

You can view disc playback information on the TV screen.



Fast Playback DVD VCD CD MP3





• Each time the button is held down during playback, the playback speed changes as follows:



Slow Playback



the playback speed changes as follows:



MP3 MP3 CD display

GROUP display

lows:

Note



Skipping Scenes/Songs

MP3

NEXT

htv love

DVD VCD MP3

Briefly press I

• Each time the button is pressed briefly during playback, the previous or next chapter, track, or directory (file) will be played.

VCD











· When watching a VCD with a track longer than 15 minutes, each time is pressed, playback will skip back or forward 5 minutes.

Note

- During fast playback of a CD or MP3-CD, sound is heard only at 2x speed, and not at 4x, 8x, and 32x speeds.
- No sound is heard during slow playback and step motion playback.





Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).



Press **REPEAT** button.

• Each time the button is pressed during playback, the repeat playback mode changes as follows:

	DVD	MP3 JPEC		
				Repeat Playback Options
	REPEAT : CHAPTER			CHAPTER Repeatedly plays the selected chapter.
	REPEAT : TITLE	REPEAT : TRACK		TITLE Repeatedly plays the selected title.
	REPEAT : OFF	REPEAT : DIR		RANDOM Plays tracks in random order. (A track that has already been played n be played again.)
		REPEAT : DISC		TRACK Repeatedly plays the selected track.
	REPEAT : TRACK	REPEAT : OFF		DIR Repeatedly plays all tracks in the selec folder.
	REPEAT : DISC			DISC Repeatedly plays the entire disc.
	+		0 0 0	OFF Cancels Repeat Playback.
	REPEAT : OFF		0	
	To Select a Repeat Playback M	ode in the Disc Inform	ation Screen	Note • Repeat playback operation
1	Press INFO button twice.		FF/ 02 €⊋ OFF ←	not possible with version 2 VCD discs if PBC is turne
2	Press Cursor ► button to move to REPEAT PLAY- BACK (C⊋) display.		ლე А- ლე СНАР	on. To use Repeat Playba on a VCD with PBC, you should set the PBC to OF the disc menu. (See page
3	Press Cursor ▼ button to select the desired Repeat Playback mode.		ເ ອັ TITL	39.)
4	Press ENTER button.	¢¢	+	
	or MP3 and JPEG discs, you canr lay from the information display so	not select Repeat	TRACK ♦ DISC	32

OPERATION hat has already been played may

- dly plays the selected track. dly plays all tracks in the selected
- dly plays the entire disc. Repeat Playback.

Note

Repeat playback operation is not possible with version 2.0 VCD discs if PBC is turned on. To use Repeat Playback on a VCD with PBC, you should set the PBC to OFF in the disc menu. (See page 39.)



OPERATION



Zoom Function

Zoom (Screen Enlarge) Function

This function allows you to enlarge a particular area of the displayed image.





Press Cursor \blacktriangle , \checkmark ,

▲ , ▶ buttons to move to the area you

want to enlarge.

DVD VCD

ton.

Press ENTER but-

zoom level changes as follows: ZOOM X 1.5

٠

700M X 2 ٠ ZOOM X 3 ٠ ZOOM OFF

3

Aspect Ratio



Press EZ VIEW button.

- Each time the button is pressed, the zoom function will switch between On and Off.
- . When a movie is played in Widescreen format, black bars at the top and bottom of the TV screen can be removed by pressing the EZ VIEW button.



Note

- This function will not work if the DVD is recorded with multi-camera angle format
- Black bars may not disappear because some DVD discs have a built-in horizontal to vertical ratio.



Bonus Group / Navigating Pages





Some DVD-Audio discs have an extra 'bonus' group that requires a 4-digit key number to access. See the disc packaging for details and the-key number.

When you play a DVD-Audio disc that has a bonus group, the key number input screen appears automatically.

KEY NUMBER :

OPERATION

Note

• If you eject the disc, switch the power off, or unplug the player, you will need to re-enter the key number.



During playback, press the button on the remote control.

 You can select the desired image from a DVD-Audio disc containing still images. • With some discs, you may not be able to select images depending on how the disc was manufactured.



Selecting Audio/Subtitle Language

Press Cursor A.

buttons or numeric but-



Moving Directly to a Scene/Song



tons to select the twice. desired audio language. • Depending on the number of languages on a DVD disc, a different audio language (ENG-LISH, SPANISH, FRENCH, etc.) is selected each time the button is pressed. DVD 🔄 EN 1/3 🛄 🛄 OFF/ 02 🗘 OFF 🛃 EN 1/3 🕂 SP 2/3 FR 3/3 Subtitle Language Selection Function Press Cursor ► 5 Press INFO button Λ button to move to SUBTITLE (🔜) twice. display. DVD 🛃 EN 1/3 👯 🛄 OFF/ 02 🗘 OFF Press Cursor button or numeric J buttons to select the desired subtitle.

Audio Language Selection Function

Press INFO button



DVD

OFF.

Using Disc Menu

You can use the menus for the audio language, subtitle language, profile, etc. DVD menu contents differ from disc to disc.



DVD

Using the Title Menu

For DVDs containing multiple titles, you can view the title of each movie. Depending on the disc, this function may either not work at all or may work differently.



Note

3

PBC (Playback Control) Function

Press the MENU button while VCD 2.0 version disk is played. Each time you press the button, "PBC ON" and "PBC OFF" will be repetitively selected in the display.

- PBC ON: This VCD disc is version 2.0. The disc is played back according to the menu screen. Some functions may be disabled. When some functions are disabled, select "PBC OFF" to enable them.
- PBC OFF: This VCD disc is version 1.1. The disc is played back in the same way as with a music CD.









DYD RECEIVER	DISC MENU
Disc Menu Pitle Menu Audio	Press Enter key for Disc Menu
100	





Press MENU button to exit the setup screen.



Setting the Language

OSD language is set to English by default.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.



Selecting the OSD Language



Selecting the Audio Language (recorded on the disc)



Subtitle Language

(recorded on the disc)



Selecting the Menu Language (recorded on the disc)

* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

Setting TV Screen type

Depending on your TV type (Wide Screen TV or conventional 4:3 TV), you can select the TV's aspect ratio.





43



44

Setting Parental Controls (Rating Level)

[®]Use this to restrict playback of adult or violent DVDs you do not want children to view.



Setting the Password

You can set the password for the Parental (rating level) setting.



Note • The password is set to "7890" by default.

Press **RETURN** button to return to the previous level.

Press MENU button to exit the setup screen.

LOGO EZ VIEW REPEAT REMAIN

Setting the Wallpaper reg or co

While watching a DVD, VCD or JPEG CD, you can set the image you like as background wallpaper.

Select this to set the desired

image as your wallpaper.



Select this to set the

your wallpaper.

Samsung Logo image as

SETUP

DVD Playback Mode AV SYNC Setup Some DVD-Audio discs contain DVD-Video as well as DVD-Audio. To play back the DVD-Video portion of the DVD-Audio disc, set the unit to DVD-Video mode. Video may look slower than the audio if it is connected with digital TV. In this case, adjust the delay time of audio to optimal status to fit the video. Press Cursor Press the **MENU** 9 button to move to 0 0 button while the 'Setup' and then Press Cursor ▲, ▼ buttons disc tray is open. press ENTER button. Press the **MENU** button. to move to 'Audio' and then press ENTER button. · Setup menu appears. 'Audio' menu appears. ress Enter key Press Cursor Press Cursor ▲.▼ 2 button to move to button to move to 'DVD TYPE' and 'DVD VIDEO' and then then press ENTER press ENTER button. button. Press Cursor ▲, ▼ buttons **3** Press Cursor \blacktriangle , \checkmark buttons to move to 'AV-SYNC' and • Set steps 1 ~ 4 again if you want to to select the Delay Time of AV-SYNC and then press the switch to DVD AUDIO Play mode. then press ENTER button. ENTER button. • AV-SYNC screen appears. • You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status. When Selecting DVD Play Mode: • DVD VIDEO : set to play the DVD video contents contained in DVD audio disc. • DVD AUDIO : set to play the default DVD audio. Press RETURN button to return to the previous level. Press **RETURN** button to return to the previous level. Press **MENU** button to exit the setup screen.

Press MENU button to exit the setup screen.

49

SETUP



correctly connected and that there is no problem.

To end the test tone.

press TEST TONE button.

53

SETUP

69

Setting the Delay Time

If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the center and rear speakers.



Setting the Audio Quality

You can adjust the balance and level for each speaker.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Note

Adjusting Front/Rear Speaker Balance

- You can select between 00 and -06 and OFF.
- The volume decreases as you move closer to -6.

Adjusting Center/Rear/Subwoofer Speaker Level

- The volume level can be adjusted in steps from +6dB to -6dB
- The sound gets louder as you move closer to +6dB and quieter as you get closer to -6dB.



Setting the DRC (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.





- MUSIC: When listening to music, you can experience sound effects as if you are listening to the actual performance.
- CINEMA: Adds realism to the movie soundtrack.
- PRO LOGIC: You will experience a realistic multi-channel effect, as if using five speakers, while using just the front left and right speakers.
- MATRIX: You will hear 5.1 channel surround sound.

STEREO: Select this to listen to sounds from the front left and right speakers and the subwoofer only.

- PANORAMA: This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging.
- CENTER WIDTH: Sound is output to the center speaker only. The front left and right speakers produce phantom sound.
- DIMENSION: Incrementally adjusts the sound field (DSP) from the front or rear.

SETUP



Setting the RRSS(Rear Reflecting Surround System)

By setting up the RRSS function just once, the speaker distance, channel level, and rear sound reflection effect are automatically set and create an optimal listening environment. • This function works only in DVD/CD mode.

Connect the RRSS Place the RRSS Microphone to the Microphone at the RRSS input jack. listening position. When "REMOVE MIC" Press the RRSS appears on the display, disconnect the RRSS button. Microphone. A speaker tone will be heard once from each speaker in the order of $L \rightarrow C \rightarrow R \rightarrow RS \rightarrow LS \rightarrow SW$ and then the newly set error tone will be heard again from $L \rightarrow R$. An optimal listening environment will be set up automatically. It takes about 2 minutes to complete the RRSS setup. L C R RS LS SW Tone Output 0 A piano sound will be heard and the setup will be completed. Note

- The RRSS button works as the RRSS setup function shown above if the RRSS Microphone is connected, and works as the rear sound reflection effect function if the microphone is removed.
- If you are installing the system for the first time or if you have initialized the system. "NO MEASURED DATA" will appear on the display when you press the RRSS button without connecting the RRSS Microphone.
- During the RRSS setup, the output volume of the tone is fixed and you cannot use the volume control buttons to adjust the output level.
- If you remove the RRSS Microphone during the RRSS setup, the setup will be cancelled.
- Place the front and left speakers (L/R) toward the side walls so that the rear speaker sound is reflected against the walls.



To select the RRSS that you have set

Briefly press the **RRSS** button.

(If you have set the RRSS for the first time according to Steps 1 to 3 on the previous page)

- Your selection will toggle between "REAR REFLECTING ON" and "REAR REFLECTING OFF" on the display.
- Select "REAR REFLECTING ON" to listen using the RRSS setting and select "REAR REFLECTING OFF" to listen to the disc currently being played in its original settina.

To check the RRSS that you have set

- Press and hold the RRSS button twice. • "CHECK" appears on the display.
- 2. Next, briefly press the RRSS button.
 - The speaker distance and level value for each channel will be displayed.

To cancel the RRSS setup

Press the **RRSS** button.

• The tone output stops, "CANCEL" appears on the display, followed by "REMOVE MIC", and then the setup will be cancelled.

To enable or disable the sound logo

When you turn on the power, a sound logo will be heard. indicating that the disc reading is completed and the player is in its optimal condition to play the disc.

- 1. Press and hold the **RRSS** button.
- "S.LOGO ON" or "S.LOGO OFF" appears on the display.
- Briefly press the RRSS button.
 - Each time you press the button, your selection toggles between "S.LOGO ON" and "S.LOGO OFF".
 - Select "S.LOGO ON" to enable the sound logo and select "S.LOGO OFF" to disable the sound logo.

Caution

 If the system is installed at a location where sound cannot be reflected (e.g., an open space without walls), the speaker distance, channel level, and rear sound reflection effect may be set incorrectly during the RRSS setup.



SETUP



Rear Reflecting Surround System

To cancel the rear

function, press the

RRSS button again to

REFLECTING OFF".

sound reflection

select "REAR

5

L



Λ

3

Note

sound field may vary.

second.

Live Surround Mode

You can use the magic sound field to listen to 2-channel stereo sources in realistic 5.1-channel surround sound.

Play a Dolby Surround or 2-Channel disc, or listen to the radio.

To cancel the magic sound field

Live Surround Mode button on

the main unit for longer than 1

• Depending on the disc being played, the effect of each

• You cannot select SUPER 5.1 mode when playing a DVD disc recorded in more than 2 channels.

function, press and hold the

2 Each time you press the LSM + button, the mode display changes in the order shown below. Each time you press the LSM – button, the mode display changes in the reverse order.

• CINEMA : A powerful sound field effect as in a movie theater.

- STADIUM : A sound field effect of being at a soccer or baseball game.
- LIVE : A sound field effect with a spatial feeling as in a live concert hall
- JAZZ : Select this when listening to jazz.
- ROCK : Select this when listening to rock music.
- CLASSIC : Select this when listening to classical music.
- DISCO : A sound field with a powerful bass as in a disco club.
- SUPER 5.1 : Select this to listen to a 2 channel source in 5.1 channel.
- LSM OFF : If you press the Live Surround Mode button on the main
- unit, the mode display will appear on the display in the same order as pressing the **LSM +** button on the remote control.

5000 68	CINE	MA
c	€ sp	•
000 00 00	STRE	DIUM
ت سی	ISP 1 T 1 / 1	
	■ I / 8 ●	, ,
: موھ م	° JAZZ	r
	€ ISP	•
	ROCK	(
c	SP	,
	CLAS	SIC
	ISP	
		0
: 5000 8000	SUPE	8 51
	+	,
se ,	se L S M	OFF

SETUP

What is RRSS?

Press the **RRSS** button

REFLECTING ON".

The rear sound reflection function

will be enabled and you can enjoy

the 5.1-channel surround sound.

to select "REAR

(RRSS: Rear Reflecting Surround System)

- The sound from the front/rear speakers, which are located in the front, is first reflected against the side walls (or the ceiling) and then reflected against the rear wall before reaching the listener. It allows you to enjoy the realistic sound reproduction equal to that of a 5.1-channel speaker system using only 3 speakers.
- It not only increases space efficiency but eliminates the need for speaker cable arrangement because it does not require installation of rear speakers.





65



Note

SURROUND PLUS / Virtual Headphone

The Surround Plus function works when the headphone is not connected, and the Magic Headphone function works when the headphone is connected.



SUPER 5.1

You can reproduce 2-channel sources, such as VCDs, CDs, and radio broadcasts, in realistic 5.1-channel surround sound.

To cancel this

SURROUND PLUS

Enable the Surround plus function if you have installed the system at a location where sound cannot be reflected. You can create a virtual rear sound image to enjoy realistic sound reproduction that approximates 5.1-channel surround sound. (When you enable this function, the center speaker does not produce sound and the disc will be reproduced in 4.1-channel.)



 This function works only with DVDs recorded in more than 2 channels. The surround plus function does not work with 2-channel sources such as music CDs or MP3 CDs.



You can enjoy a realistic sound very similar to that of a 5.1-channel sound system using regular stereo headphones.

Press the V-H/P button to select "VIRTUAL ON".

- To cancel this function, 9 press the V-H/P button to select "VIRTUAL OFF".
- You can enjoy the feeling of being in the middle of a concert hall using headphones.











Remote Control Unit

Listening to Radio

You can listen to the chosen band (FM, AM broadcast stations) by using either the automatic or manual tuning operation.



Presetting Stations

You can store up to:

• FM Frequency Modulation • AM ······ Medium Wave

Example: Presetting FM 89.1 in the memory





• Each time the button is pressed, the sound switches between "STEREO" and "MONO".

• In a poor reception area, select MONO for a clear, interference-free broadcast.



RADIO OPERATION



Convenient Functions

earlier.



Sleep Timer Function

You can set the time that the DVD player will shut itself off.

Press SLEEP button.

 "SLEEP" will be displayed. Each time the button is pressed the preset time changes as follows: 10 → 20 → 30 → 60 → 90 → 120 → 150 → OFF.

To confirm the sleep timer setting, press **SLEEP** button.

•The remaining time before the DVD player will shut itself off is displayed.

•Pressing the button again changes the sleep time from what you have set

To cancel the sleep timer, press SLEEP button until



OFF appears on the display.

Adjusting Display Brightness

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press **DIMMER** button.

• Each time the button is press, the brightness changes as follows: SLIGHTLY DARK → DARK → BRIGHT.

Mute Function

This is useful when answering a doorbell or telephone call.

Press MUTE button.

- 'MUTE' flash in the display.
- To switch the sound back on (at the same volume as before), press **MUTE** again or the **VOLUME** buttons.



Using Headphones

Use headphones (not supplied) for private listening pleasure.

Connect the headphones to the PHONES jack for private listening.

Caution



To prevent hearing damage, do not increase the volume excessively when using headphones.



71





When operating a TV with the remote control

Press the **MODE** button to make the TV indicator on the remote control flash.

Press **POWER** button to turn on the TV.

2

3

4

5

Note

Point the remote control toward the TV.

While holding down **POWER**, enter the code corresponding to your brand of TV.

• If the code matches the TV's code, the TV will be turned off.

 If there is more than one code listed for your TV in the table, enter one at a time to determine which code works.
 Example: For a Samsung TV
 While holding down POWER, use the number buttons to enter 00,

01, 02, 03, 04, and 05.

Pont the remote control toward the TV and press **POWER**. If the TV turns off or on, the setting is complete.

 You can use the TV POWER, TV VIDEO, VOLUME, CHANNEL, and Numeric buttons (0~9).

- The remote control may not work on some brands of TVs. Also some operations may not be possible depending on your brand of TV.
- If you do not set the remote control with the code for your brand of TV, the remote control will work on a Samsung TV by default.

TV Brand Code List

No.	Brand	Code	No.	Brand	Code
1	SAMSUNG	00(Initial Value), 01, 02, 03, 04, 05, 73	30	BRANDT	41
2	ANAM	06~11,59	31	FERGUSON	41
3	DAEWOO	12~18, 20, 21	32	PIONEER	41, 48, 74
4	LG	05, 20, 21, 22, 53	33	TELEAVA	41
5	HITACHI	23, 40, 41, 49	34	FINLUX	05, 42, 47
6	JVC	24, 55	35	FISHER	31
7	SHARP	27, 33, 34, 35, 54	36	AKAI	31
8	SONY	27, 36	37	YOKO	05
9	TOSHIBA	27, 37, 42, 43, 44, 46	38	PHONOLA	05, 45, 47
10	SANYO	27, 30, 31, 32	39	RADIOLA	05, 45
11	MITSUBISHI	05,27,28	40	SCHNEIDER	05
12	MATSUSHITA	09, 26	41	NEWSAN	58
13	TELEFUNKEN	41, 49, 51, 57	42	CONTINENTAL EDISON	49
14	RCA	29,61	43	SALORA	48
15	PANASONIC	07, 09, 26, 48, 49, 50	44	SELECO	48
16	SABA	40, 41, 47, 48, 49	45	NOKIA	48
17	PHILIPS	05, 45, 47, 64, 65, 66, 67, 68, 69	46	REX	48
18	GRUNDIG	39, 42, 46, 70, 71, 72	47	MIVAR	46
19	ZENITH	38	48	IMPERIAL	46
20	MIVAL	52	49	CGE	46
21	NOBLEX	56	50	BANG & OLUFSEN	47
22	EMERSON	19	51	BRIONVEGA	47
23	MAGNAVOX	25	52	FORMENTI	47
24	LOEWE	05, 60	53	METZ	47
25	THOMSON	40, 41, 49, 62, 63	54	WEGA	47
26	NORDMENDE	40, 41, 49	55	RADIOMARELLI	47
27	LOEWE OPTA	36, 47, 05	56	SINGER	47
28	BLAUPUNKT	39	57	SINUDYNE	47
29	SIEMENS	39			

Before Calling for Service

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
Disc tray does not open.	 Is the power cord plugged securely into the outlet? Turn off the power and then turn it back on.
Playback does not start.	 Check the region number of the DVD. DVD discs purchased from abroad may not be playable. CD-ROMs and DVD-ROMs cannot be played on this DVD player. Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is pressed.	 Are you using a deformed disc or a disc with scratches on the surface? Wipe the disc clean.
Sound is not produced.	 No sound is heard during fast playback, slow playback, and step motion playback. Are the speakers connected properly? Is the speaker setup correctly customized? Is the disc severely damaged?
Sound can be heard only from a few speakers and not all six.	 When listening to a CD or radio, sound is output to the front speakers (L/R) only. Select "PRO LOGIC II" by pressing DIPLII (Dolby Pro Logic II) on the remote control to use all six speakers. Make sure that the DVD disc is 5.1-CH compatible. If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL.
Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.	• Was the DVD player suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.)
Dolby Digital 5.1 CH Surround Sound is not produced.	 Is there "Dolby Digital 5.1 CH" mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?

Symptom	Check/Remedy
 Disc is rotating but no picture is produced. Picture quality is poor and picture is shaking. 	 Is the TV power on? Are the video cables connected properly? Is the disc dirty or damaged? A poorly manufactured disc may not be playable.
The remote control does not work.	 Is the remote control being operated within its operation range of angle and distance? Are the batteries exhausted? Have you select the mode(TV/DVD) functions of the remote control (TV or DVD) correctly?
Audio language and subtitles do not work.	 Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
Menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
Can't receive radio broadcast.	 Is the antenna connected properly? If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
• The main unit is not working. (Example: The power goes out or strange noise is heard.)	 Turn off the power and hold the button on the main unit for longer than 5 seconds.
 The DVD player is not working normally. 	Using the RESET function will erase all stored settings. Do not use this unless necessary.
The password for rating level has been forgotten.	 While "NO DISC" message appears on the display of main unit, hold the main unit's button for longer than 5 seconds. "INITIAL" appears on the display and all settings will return to the default values. Press the POWER button. Using the RESET function will erase all stored settings. Do not use this unless necessary.

MISCELLANEOUS



Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause skipping. Be especially careful not to scratch discs when handling them.



Handling discs ...



Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface. Do not stick paper or tape on the disc.

Disc Storage ----



Do not load cracked or scratched discs.

Handling and Storing Discs



When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

• When cleaning, wipe gently from the inside to the outside of the disc.

Note

• Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

G E	Power Consumption	100W		
N	Weight	4.5 Kg		
ER	Dimensions (W x H x D)	430 X 75 X 368 mm		
R	Operating Temperature Range	+5°C~+35°C		
Ê	Operating Humidity Range	10% ~ 75%		
ΓŬ	Usable Sensitivity	10dB		
F DN M ER	S/N Ratio	55dB		
Ř	Distortion	0.8%		
A T	Usable Sensitivity	60dB		
A UNER	S/N Ratio	35dB		
Ř	Distortion	2%		
VIDEO	Component Video	Y:1.0Vp-p(75 Ω load), Pr:0.70Vp-p(75 Ω load)		
INPUT		Pb:0.70Vp-p(75Ω load)		
., 0	Composite Video	1.0Vp-p(75Ω load)		
V U		Y:1.0Vp-p(75Ω load)		
	Component Video	Pr:0.70Vp-p(75Ω load)		
ΞP		Pb:0.70Vp-p(75Ω load)		
ΟU		Luminance Signal: 1.0Vp-p(75Ω load)		
-	S-VIDEO	Color Signal: 0.286Vp-p(75 Ω load)		
А	Front speaker output	80W x 2(4Ω)		
М	Center speaker output	80W(4Ω)		
P	Rear speaker output	80W x 2(4Ω)		
L	Subwoofer speaker output	100W(4Ω)		
F	Frequency range	20Hz~20KHz		
Ì	S/N Ratio	75dB		
E	Channel separation	50dB		
R	Input sensitivity	(AUX)500mV		



Notes on Terminology

HT-DS960

	Speaker system	5.1ch speaker	system	
		Front/Ce	enter/Rear speaker	Subwoofer speaker
s	Impedance	4Ωx5		8Ω x 2
P	Frequency range	150Hz~2	20KHz	30Hz~150Hz
E	Output sound pressure level	81dB/W/	Μ	80dB/W/M
Α	Rated input	80W		100W
ĸ	Maximum input	160W		200W
E R	Dimensions (W x H x D)	Front/Rear	114 x 182 x 198 mm	205 x 350 x 460 mm
		Center	257 x 123 x 110 mm	
	Weights	Front/Rear	1.3 Kg	9 E Ka
		Center	1.2 Kg	8.5 Kg

HT-DS760T

	Speaker system	5.1ch speaker system			
		Front/C	enter/Rear speaker	Subwoofer speaker	
s	Impedance	4Ωx5		8Ω x 2	
P	Frequency range	150Hz~2	20KHz	30Hz~150Hz	
Е	Output sound pressure level	81dB/W/	Μ	80dB/W/M	
Α	Rated input	80W		100W	
ĸ	Maximum input	160W		200W	
E R	Dimensions (W x H x D)	Front/Rear	122 x 205 x 307 mm	280 x 280 x 808 mm	
		Center	284 x 138 x 97 mm		
	Weights	Front/Rear	1.62 Kg	0.62 1/ ~	
	, , , , , , , , , , , , , , , , , , ,	Center	1.1 Kg	9.63 Kg	

ANGLE Recorded onto some DVD discs are scenes which have been simultaneously shot from a of different angles (the same scene is shot from the front, from the left, from the right, etc. With such discs, the Angle button can be used to change the angle of view for specific scenes.)	
CHAPTER NUMBER	These numbers are recorded on DVD discs. A Title is subdivided into many sections, each of which is numbered, and specific parts of the video can be searched quickly using these numbers.
DVD	A high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG-2) and high-density recording technology, a DVD disc comprises two 0.6 mm thick discs bonded together.
PCM	An acronym for Pulse Code Modulation - another name for digital audio.
PBC (PLAYBACK CONTROL)	This is recorded on a video CD (version 2.0). Selected scenes or information can be chosen from the menu displayed on the TV monitor.
REGION NUMBER	Both the DVD player and DVD discs are encoded with a region number. If the region number on the DVD disc does not correspond to the region number of the DVD player, the player cannot play the disc.
SUBTITLES Translated appearing at the bottom of the screen. A DVD disc can cont 32 subtitle languages.	
TITLE NUMBER These numbers are recorded on DVD discs. When a disc contains tw movies, these movies are numbered as Title 1, Title 2, etc.	
TRACK NUMBER	These numbers are assigned to the tracks which are recorded on video and audio CDs. They enable specific tracks to be located quickly.
VIDEO CD	Contains recordings of pictures and sound whose quality is roughly comparable to that of video tape. This player also supports video CDs with playback control (version 2.0).
	You can enjoy 5.1 (or 6) channels of high fidelity digital sound from various digital input sources such as DVD, CD etc. DTS provides a realistic, clear surround sound that has not previously been available from conventional surround sound.
DIGITAL	5.1 (or 6) Channel Digital Surround sound reproduced from DVDs and LDs recorded as a digital signals (with Digital disc marking). With better sound quality, dynamic range, and directionality than traditional Dolby surround technology, you can enjoy dynamic, realistic sound.
	A 4 channel analog sound reproduced from a program source such as a videotape or LD with the the mark. You can enjoy a more realistic, robust sound unavailable from regular stereo sources.

80



